



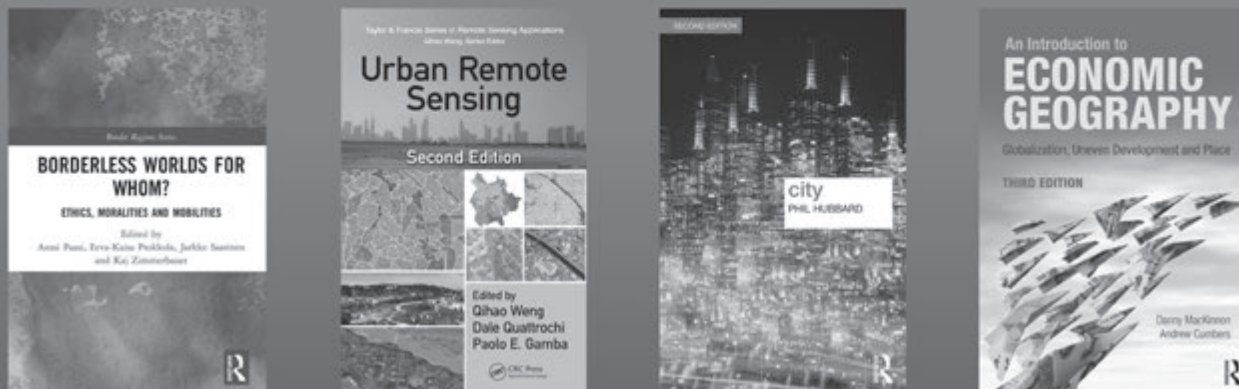
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AMERICAN ASSOCIATION
of GEOGRAPHERS

APRIL 3-7, 2019
ANNUAL MEETING PROGRAM
WASHINGTON, DC

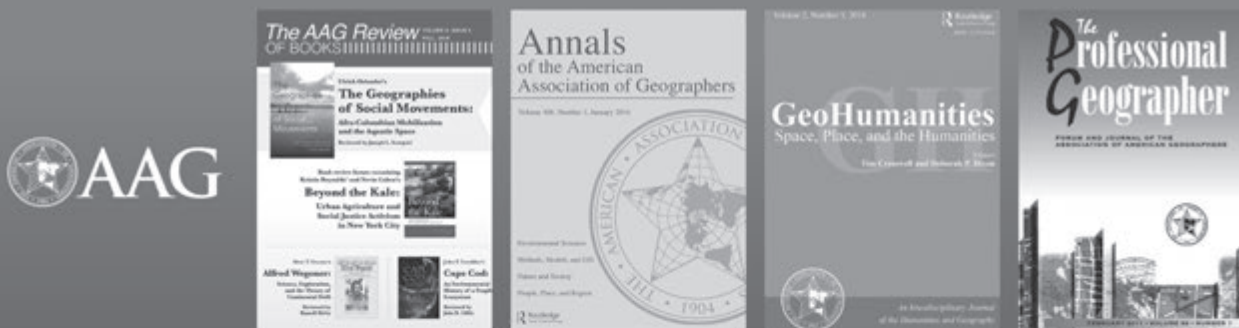
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THE AMERICAN ASSOCIATION OF GEOGRAPHERS



2019 Annual Meeting
April 3-7, 2019
Washington, DC

PROGRAM

The American Association of Geographers
1710 Sixteenth Street, NW
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Professional ideas and information are exchanged most effectively at the AAG Annual Meeting in an atmosphere free of abuse or harassment and characterized by courtesy and respect. To that end, the AAG expects all individuals who attend to conduct themselves in a manner that establishes an atmosphere free from discriminatory practices.

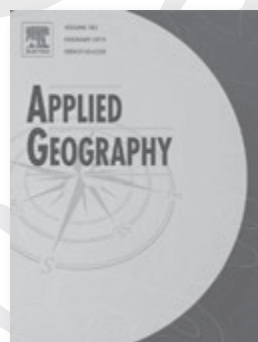
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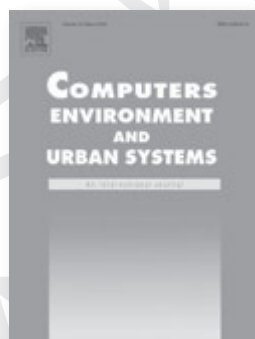
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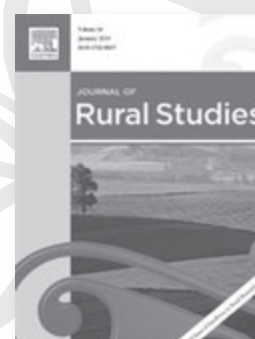
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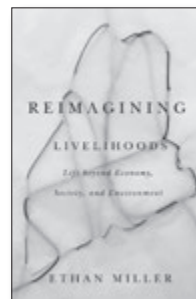
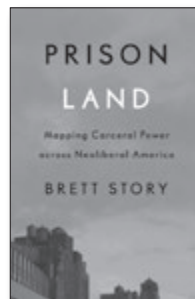
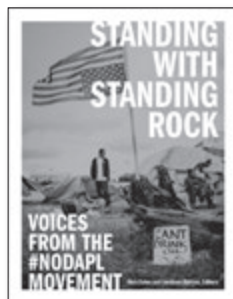
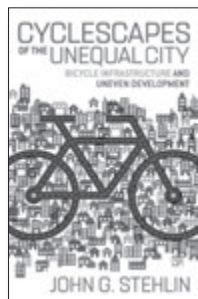
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Ethan Miller

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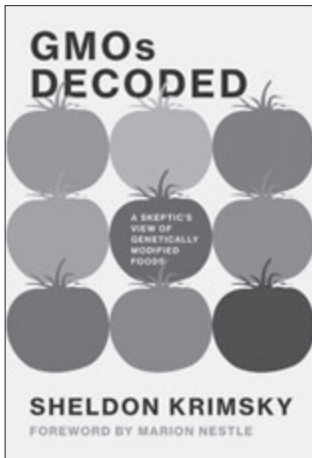
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March 4

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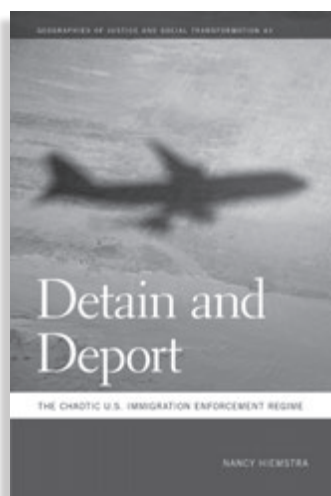
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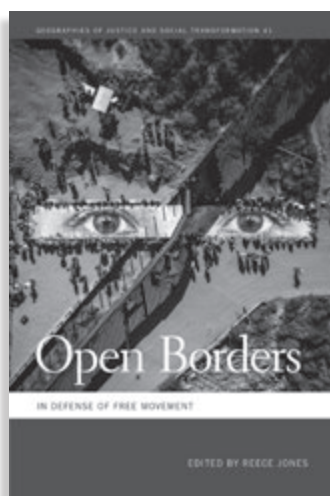


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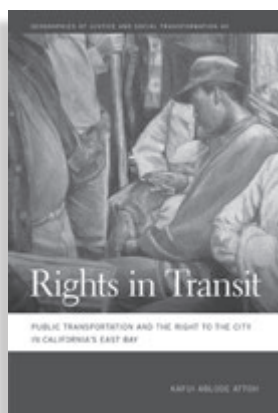


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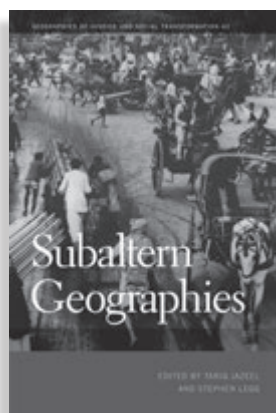


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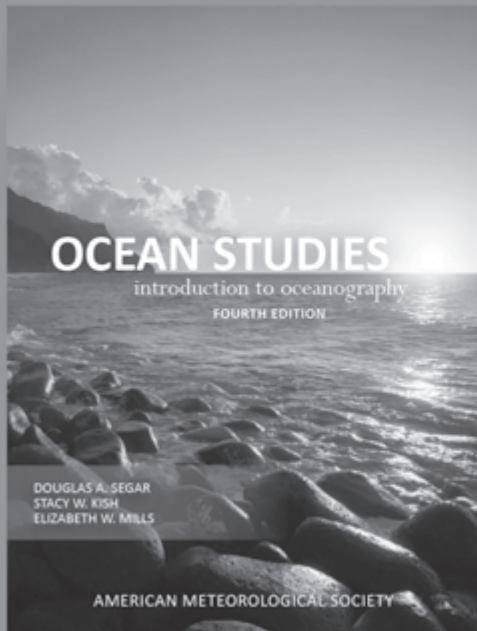
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TABLE OF CONTENTS

Plenary Sessions, Featured Sessions And Special Events	8-9
--	-----

Sessions

Wednesday, April 3	11-58
Thursday, April 4	59-156
Friday, April 5	157-260
Saturday, April 6	261-346
Sunday, April 7.....	347-382

Indexes

Participant Index	384-441
Specialty and Affinity Group Sessions Index	442-447
Topical Index	448-483

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Presenting author(s) are indicated with an asterisk ().*

PLENARY SESSIONS, FEATURED SESSIONS AND SPECIAL EVENTS

WEDNESDAY, APRIL 3

Opening Session & Presidential Plenary— The Intersection of Geography, Environmental Science, Human Health and Human Rights

Wednesday, April 3, 6:20 p.m. - 8:00 p.m.

Room: *Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)*

Opening Session & Presidential Plenary— The Intersection of Geography, Environmental Science, Human Health and Human Rights

Wednesday, April 3, 6:20 p.m. - 8:00 p.m.

Room: *Marriott Ballroom Salon 2, Marriott, Lobby Level*

Welcoming Remarks: Douglas Richardson, American Association of Geographers

Presidential Plenary: The Intersection of Geography, Environmental Science, Human Health and Human Rights – Plenary Session

Organizer and Moderator: **Sheryl Luzzadder-Beach**, University of Texas-Austin

Panelists:

Mei-Po Kwan, University of Illinois at Urbana-Champaign;

Heather Viles, University of Oxford;

John McNeill, Georgetown University;

Rita Colwell, University of Maryland;

The Presidential Plenary will address “The Intersection of Geography, Environmental Science, Human Health, and Human Rights” and feature distinguished panelists addressing how their research fields intersect with geography and the three AAG 2019 DC themes. Invited panelists include scholars in human and physical geography, environmental history, and biological sciences. In addition to AAG President Sheryl Luzzadder-Beach, confirmed distinguished guest panelists include Dr. Mei-Po Kwan (U. Illinois at Urbana-Champaign Geography Professor), Dr. John McNeill (University Professor of History, Georgetown; American Historical Association President) and Dr. Heather Viles (Oxford University Geography Head and Professor). Also joining this special panel will be Dr. Rita Colwell (University of Maryland College Park Distinguished University Professor, Cell Biology and Public Health), who will receive the AAG’s 2019 Honorary Geographer award and speak at this event.

THURSDAY, APRIL 4

Eric Holder Keynote Address

Thursday, April 4, 12:00 p.m. - 1:00 p.m.

Room: *Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)*

Introduction: Douglas Richardson, American Association of Geographers

Speaker: Eric H. Holder, Jr, National Democratic Redistricting Committee (NDRC)

Questions: Michelle Kinzer, American Association of Geographers

Eric H. Holder, Jr., has dedicated his life to public service in many capacities, including on issues of civil rights and the judiciary. He served as the 82nd Attorney General of the United States under President Barack Obama and was the first African American to hold that office. Presently, he serves as Chairman of the National Democratic Redistricting Committee (NDRC). The NDRC is a coordinated initiative to combat unfairly gerrymandered districts drawn by state legislatures. Together with the support of former President Obama and a number of prominent national leaders, the NDRC rallies around a comprehensive redistricting strategy that seeks to make maps fair and make votes count. We look forward to his expertise on issues of gerrymandering and Congressional redistricting in anticipation of the 2020 census.

Area Development and Policy — Annual Lecture 2019

Thursday, April 4, 5:00 p.m. - 6:40 p.m.

Room: *Diplomat Room, Omni, West*

Organizers: Dieter Kogler, University College Dublin; Michael Dunford, University of Sussex; Weidong Liu, Chinese Academy of Sciences

CHAIR: Michael Dunford, University of Sussex

Welcoming Remarks: Douglas Richardson, American Association of Geographers

Panelists: Deborah Brautigam, Johns Hopkins University’s School of Advanced International Studies

Discussant(s): Padraig Carmody, Trinity College Dublin; Meredith DeBoom, University of South Carolina

In 2017, a meme was born in a think tank in northern India: “Chinese Debt-Trap Diplomacy.” Furthered by a paper authored by two Harvard students, this meme briefly took deep root in Washington, DC and then ricocheted far beyond the Beltway, to the New York Times and beyond. Thundered by a US Secretary of State, wafting quietly through intelligence circles, hovering in Congress, settling briefly in the Pentagon, within 12 months the meme appeared to have “about 1,990,000 results (0.52 seconds)” on Google and was beginning to solidify into firm, conventional wisdom, accepted as a deep historical truth. This talk documents the efforts of one Sinologist Africanist to speak “truth” to “power”. It concludes with a critical exploration of the relationship among the media, the academy and the policy world.

Prof. Deborah Brautigam is the Bernard L. Schwartz Professor of International Political Economy and Director of the International Development Program (IDEV), and the China Africa Research Initiative (CARI) at Johns Hopkins University’s School of Advanced International Studies (SAIS) in Washington, DC.

International Reception

Thursday, April 4, 7:00 p.m. - 9:00 p.m.

Rooms: *Marriott Ballroom Salon 1 & 2, Marriott, Lobby Level*

Join us for the 2019 International Reception! This is the perfect opportunity to see old friends and meet new colleagues at the AAG Annual Meeting. There will be food, drinks, live music, and much more. All attendees are invited to attend. Two free drink tickets are provided in your registration packet.

World Geography Bowl

Thursday, April 4, 7:00 p.m.

Rooms: *Maryland and Virginia Rooms, Marriott, Lobby Level*

Student teams from the AAG’s regional divisions will compete in a round robin tournament starting at 7:00 p.m. in Maryland and Virginia rooms in the Marriott on the Lobby Level. Teams should check in at 6:30 p.m. The Championship Round will begin at approximately 10:30 p.m.

World Geography Bowl Executive Director:

Jamison Conley, West Virginia University

World Geography Bowl Administrative Director:

Emily Fekete, American Association of Geographers

FRIDAY, APRIL 5

AAG Atlas Award Presentation to Carla Hayden

Friday, April 5, 11:45 a.m. - 1:00 p.m.

Room: *Marriott Ballroom Salon 1, Marriott, Lobby Level (Plenary)*

ORGANIZER and Moderator: **Douglas Richardson**, American Association of Geographers

Speaker: **Carla Hayden**, Library of Congress

PLENARY SESSIONS, FEATURED SESSIONS AND SPECIAL EVENTS

The American Association of Geographers invites attendees of the 2019 AAG Annual Meeting in Washington, D.C., to join in celebration of Carla Hayden at the AAG Atlas Award Ceremony. Carla Hayden, 14th Librarian of Congress, will deliver a keynote address at noon on Friday, April 5, after being presented with the 2019 AAG Atlas Award, the association's highest honor.

Sworn in as the current Librarian of Congress on September 14, 2016, Hayden is both the first woman and the first African American to serve in the position. She is also the first professional librarian to hold the office in more than 60 years. Hayden was recommended to serve as the librarian by former president Barack Obama in February 2016. Following an extensive social media campaign organized by the American Library Association (#Hayden-4LOC) urging thousands of library advocates to contact their senators and appeal for the confirmation of Hayden as the new librarian, Hayden was appointed on July 13, 2016.

SATURDAY, APRIL 6

Past President's Address by Derek Alderman, "Keeping it REAL in a Post-Truth World: Geography as Reparative Storytelling"

Saturday, April 6, 11:45 a.m. - 1:00 p.m.

Room: *Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)*

ORGANIZER(S): The American Association of Geographers

Introduction: **Sheryl Luzzadder-Beach**, University of Texas-Austin

Speaker: **Derek Alderman**, University of Tennessee

AAG Past President Derek Alderman will speak on enhancing the place of storytelling within geography as part of his initiative, Geography is REAL (Responsive, Engaged, Advocating, and Life-Improving). He will ask attendees to view storytelling as more than entertainment, to consider its value as a tool of education, disciplinary promotion, public outreach, community-building, and scholar-activism. Alderman will highlight the strides in storytelling already being made in geography as he discusses opportunities, strategies, and challenges for further communicating beyond the reach, pace, and style of traditional academic discourse and dissemination. Importantly, he calls for the stories written, told, performed, and visualized by geographers to be reparative in nature. They should challenge and redress the fallacies and inequalities that have come to characterize our "post-truth" world of climate change denial and attacks on human and civil rights. Reparative storytelling, according to Alderman, is about geographers translating their science, theory, methods, and technologies into clear, compelling accounts that make an intervention in how public groups and decision-makers think about, care for, and act on today's pressing issues. Concerned with more than telling evocative and consequential stories within press, policy, and professional circles, reparative storytelling is also an ethical commitment to create spaces for elevating and listening and responding to the voices of marginalized groups within our discipline and society. Challenging the popular adage that "talk is cheap," Alderman encourages geographers to realize the work that reparative storytelling can do in helping build reparative geographies.

Past President Alderman will also present the 2019 Presidential Achievement Award to Rickie Sanders (Temple University) and David Padgett (Tennessee State University) for their distinguished work in enhancing diversity and inclusion in the discipline of geography.

SUNDAY, APRIL 7

2019 AAG Awards Luncheon

Sunday, April 7, 11:45 a.m. - 2:00 p.m.

Room: *Ballroom Salon 3, Marriott, Lobby Level*

Join colleagues and friends for the AAG Awards Luncheon to celebrate and congratulate the recipients of the AAG Honors for their lifetime achievements and accomplishments in scholarship, service, publishing, and education. Several other awards also will be presented during the luncheon. They include: the AAG annual book awards, Miller Award, Nystrom Award, Jackson Prize, AAG Enhancing Diversity Award, Specialty Group Awards, and many other awards. Members who have held 50 years of continuous membership will be recognized for their enduring support and contributions to the Association.

The AAG Awards Luncheon will be held on Sunday, April 7, 2019, from 11:45 am - 2:00 pm in Marriott Ballroom Salon 3 on the Lobby Level

The following AAG Honors will be presented:

AAG Lifetime Achievement Honors

Thomas J. Baerwald, National Science Foundation (ret.)

Joe T. Darden, Michigan State University

AAG Distinguished Scholarship Honors

Alexander Stewart Fotheringham, Arizona State University

Helga Leitner, University of California, Los Angeles

Gilbert Grosvenor Geographic Education Honors

Iain Hay, Flinders University

Michal Lee LeVasseur, National Geographic Society (ret.)

AAG Media Achievement Award

Minell Mahtani, University of British Columbia

AAG Publication Award

The Conference of Latin American Geography, for its publication of the *Journal of Latin American Geography*

Other awards that will be presented at the Luncheon include:

AAG Community College Awards, Marble-Boyle Undergraduate Achievement Award, AAG Dissertation, and Research Grants, AAG Council Award for Best Graduate Student Paper at a Regional Division Meeting, William L. Garrison Award for Best Dissertation in Computational Geography, AAG Marcus Fund Award, AAG Globe and Meridian Book Awards, AAG Harm de Blij Award, AAG Program Excellence Award, AAG Susan Hardwick Excellence in Mentoring Award, Glenda Laws Award, Enhancing Diversity Award, Harold Rose Award for Anti-Racism Research and Practice, Meredith F. Burrill Award, E. Willard and Ruby S. Miller Award, Wilbanks Award for Transformational Research in Geography, Stan Brunn Award for Creativity in Geography, and announcements of Honorary Geographer, and Presidential Achievement Award.

Additionally, the inaugural class of AAG Fellows, 50-year AAG members, and recipients of Specialty Group awards and honors will be recognized during the Luncheon.

AAG Business Meeting - Special Event

Sunday, April 7, 2:00 p.m. - 3:40 p.m.

Room: *8222, Park Tower Suites, Marriott, Lobby Level*

AAG members are welcome to the AAG Business Meeting to gain insight into the association and its activities.

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JEROME WHITINGTON

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WEDNESDAY

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

Wednesday-012-8:00 a.m. Political Economies of Geolocation I (Sponsored by Digital Geographies Specialty Group, Economic Geography Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Agnieszka Leszczynski, Western University; Will Payne, University of California - Berkeley

CHAIR: Agnieszka Leszczynski, Western University

8:00 Peta Mitchell*, Queensland University of Technology; *The rise and rhetoric of location intelligence, or, location data and its metaphors*

8:20 Will Payne*, University of California - Berkeley; *Crawling the City: Geolocation and/as Free Labor in the Platform Economy*

8:40 Chiara Iacovone*, Polytechnic of Turin; *Reading uneven structures of post-crisis cities through Airbnb platform urbanization*

9:00 Matthew Bui*, University of Southern California; *Yelp, Gentrification, and Hipster Coffee Shops: Examining the Colonial Data Imaginaries of Location-Based Applications*

9:20 Discussant(s): David Wachsmuth, Assistant Professor, McGill University

Wednesday-031-8:00 a.m. On the Blockade: Geographies of Circulation and Struggle (I): Up Against the State

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kai Bosworth, Brown University; Charmaine Chua, Oberlin College

CHAIR: Kai Bosworth, Brown University

8:00 Johan Pries*, Swedish University of Agricultural Sciences; Andrés Brink Pinto, Lund University; *Reinventing the antifascist blockade: notes on the spatial politics of Scandinavian antifascism*

8:20 Julie Cidell*, University of Illinois; *Backlash to the Blockade: Legislative Responses to Freeway Protests in the U.S.*

8:40 Sasha Davis*, Keene State College; *Blockades, occupations, and reorientations: chasing alternative political assemblages in the Pacific*

9:00 Satya Savitzky*, University of Saint Andrews; *'Whose streets?' Highway blockades, vehicle ramming attacks and the 2017 Charlottesville protest*

9:20 Theo LeQuesne*, UC Santa Barbara; *Power Mapping in Blockadia: the strategic efficacy of blockades in the movement to keep fossil fuels in the ground*

Wednesday-032-8:00 a.m. Cartography (Sponsored by Cartography Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Carolyn Fish, University of Oregon; Jeff Howarth, Middlebury College

CHAIR: Carolyn Fish, University of Oregon

8:00 Patrick Kennelly*, LIU Post; Phillip Wisocki, LIU Post; Indira Rojas, LIU Post; Phillip Cassey, University of Adelaide; Daniel Hanley, LIU Post; *Sensory-informed Color Schemes for Maps*

8:20 Hope Bodenschatz*, Penn State University; Fritz Kessler*, Pennsylvania State University - State College, PA; *Developing a Custom Grid System for Penn State's Emergency Responders*

8:40 Hyowon Ban*, California State University, Long Beach; *Visualization of uncertain ocean boundaries*

9:00 Nikolay Golosov*, University of Northern Iowa; *Development of a web-enabled geospatially-intelligent multivariate three-dimensional method for dasymetric mapping*

9:20 Harold Moellering*, Ohio State University; *Reviewing Analytical Components for the Developing a Body of Knowledge for Cartography*

Wednesday-035-8:00 a.m. Agroecology Now! 1—Bottoms up: Examining Place-Based Initiatives and Networks in Agroecology Transitions-Transformations (Sponsored by Geographies of Food and Agriculture Specialty Group, Rural Geography Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Colin Anderson, Centre for Agroecology, Water and Resilience at Coventry University; Michael Jahi Chappell, Coventry University; Jessica Milgroom

CHAIR: Colin Anderson, Centre for Agroecology, Water and Resilience at Coventry University

8:00 Paul Rogé*, University of California - Berkeley; Chuang Liu, Renmin University of China; *Overcoming challenges for the transition to agroecology in the mountainous regions of China*

8:20 Alissa White*, University of Vermont; Joshua Faulkner, PhD, University of Vermont Extension; *Farmer networks and the nature of change in the Northeastern US*

8:40 Michael Jahi Chappell*, Senior Research Fellow, Coventry University; Michel Pimbert, Coventry University; Jessica Milgroom, Cultivate!; Csilla Kiss, Coventry University; Janneke Bruil, Cultivate!; Colin Ray Anderson, Coventry University; *Domains of transition between niche and regime: The globalization of agroecology as a case study*

9:00 Janica Anderzén*, Agroecology and Livelihoods Collaborative (ALC), University of Vermont; Alejandra Guzmán Luna, Colegio de la Frontera Sur (ECOSUR), Mexico; Martha Caswell, Agroecology and Livelihoods Collaborative (ALC), University of Vermont; Mateo Mier-y-Terán, CONACYT-ECOSUR; Scott C. Merrill, University of Vermont; Diana V. Luna-González, University of Waterloo; V. Ernesto Méndez, Agroecology and Livelihoods Collaborative (ALC), University of Vermont; Rigoberto Hernández Jonapá, Campesinos Ecológicos de la Sierra Madre de Chiapas (CESMACH); *Assessing livelihood diversification in smallholder coffee communities in Chiapas, Mexico: A Participatory Action Research (PAR) approach*

9:20 Discussant(s): Christopher Bacon, Associate Professor, Santa Clara University

Wednesday-036-8:00 a.m. Dairy and Livestock Geographies (Sponsored by Rural Geography Specialty Group, Animal Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

ORGANIZER(S): Dawn Drake, Missouri Western State University

CHAIR: Dawn Drake, Missouri Western State University

8:00 Shaunna Barnhart*, Director, Place Studies Program, Bucknell University; *Political Ecologies of Small Scale Biogas in the US*

8:20 ELISABETH (LISA) STODDARD*, PhD, Worcester Polytechnic Institute; Alice Hovorka*, PhD, York University; *Animals, Vulnerability and Global Environmental Change: The Case of Farmed Pigs in Concentrated Animal Feeding Operations in North Carolina*

8:40 Carley MacKay*, York University; *Human-cattle encounters of caring and killing: investigating "humane" beef practices through the lens of animal geographies*

9:00 John A. Cross*, University of Wisconsin-Oshkosh; *Continuing Change in America's Dairyland*

9:20 Dawn M Drake*, Missouri Western State University; *Analysis of Dairy Cow Populations and Land Use in the Kansas City Market Area*

Wednesday-037-8:00 a.m. Applied Memory: Putting affective and embodied methods into practice on the National Mall (Sponsored by American Association of Geographers, Cultural Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jacque Micieli-Voutsinas; Danielle Drozdewski, Stockholm University; Tess Osborne, University of Birmingham

CHAIR:

Discussant(s): Jacque Micieli-Voutsinas; Danielle Drozdewski, Dr, Stockholm University; Tess Osborne, University of Birmingham

Wednesday-038-8:00 a.m. Urban Space, Place, and Architecture in Shaping National Identity and Belonging I (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Joshua Hagen, Northern State University

CHAIR: Joshua Hagen, Northern State University

8:00 Mathias Le Bossé*, Associate Professor, Kutztown University of Pennsylvania; *"Neither Right Nor Left"? Situating and Staging the French State and Nation in Macron's Paris*

8:20 Daniel Thompson*, Emory University; *Capital of Rebels? From secessionist agitators to urban financiers in an Ethiopian provincial capital*

8:40 Kathryn Howell*, Virginia Commonwealth University; *What's in a name?: Memorialization and Cooptation in Richmond*

9:00 Alex Papadopoulos*, DePaul University; *The Hellenization of Thracian Borderlands after 1919: Settlement and Urbanization as Geopolitics*

9:20 Rebecca Summer*, University of Wisconsin - Madison; *Capitalizing on Marginalized Space: Redesigning and Rebranding Alleys in Washington, D.C.*

Wednesday-039-8:00 a.m. Advanced Vehicle Technologies: Alternative Fuels, Autonomous Vehicles, and Geographical Considerations of Diffusion I (Sponsored by Transportation Geography Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Scott Kelley, University of Nevada, Reno

CHAIR: Scott Kelley, University of Nevada, Reno

8:00 Daniel Engelberg*, Massachusetts Institute of Technology; *The Impact of Autonomous Vehicles on Land Use: A Scenario Discovery Approach*

8:20 Oscar Lopez*, Arizona State University; Michael Kuby, Arizona State University; Rhian Stotts, Arizona State University; Scott Kelley, University of Nevada, Reno; *An ethnographic decision tree model for predicting hydrogen fuel cell vehicle ownership*

8:40 Robert M. Bridi*, United Arab Emirates University; *An examination of attitudes and perceptions to the adoption of electric vehicles: The case of university students in the United Arab Emirates.*

9:00 Aimee Krafft*, University of Nevada - Reno; Scott Kelley, University of Nevada, Reno; *Assessing Drivers' Hydrogen Infrastructure Choices in California*

9:20 Michael Kuby*, Arizona State University; Yudai Honma, PhD, University of Tokyo, Institute of Industrial Science; *Node-Based vs. Path-Based Location Models for Urban Hydrogen Refueling Stations: Comparing Convenience and Coverage Abilities*

Wednesday-049-8:00 a.m. Land sSystems Science – Research Frontiers and Challenges at the Intersections of Remote Sensing and Qualitative Social-scientific Approaches and Methods (Sponsored by Cultural and Political Ecology Specialty Group, Qualitative Research Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Martin Lukas, University of Bremen, Sustainability Research Center (artec)

CHAIR: Martin Lukas, University of Bremen, Sustainability Research Center (artec)

8:00 Hannah Friedrich*, Oregon State University; *Remote sensing time series analysis for monitoring agriculture to assess food security and temporality of settlements of internally displaced peoples (IDPs)*

8:20 Betsy Breyer*, University of Illinois; *Green spaces of disinvestment: Integrating property market dynamics with land cover change in Cleveland's historically redlined area*

8:40 Anupam Anand*, Global Environment Facility, World Bank Group; Geeta Batra, Independent Evaluation Office, Global Environment Facility, World Bank Group; *Integrating remote sensing analysis with qualitative assessment for evaluating international development interventions*

9:00 Izabela Delabre*, University of Sussex; Anthony Alexander, University of Sussex; Pedram Rowhani, University of Sussex; Alexander Antonarakis, University of Sussex; *Politics and power in managing data on non-timber forest product extraction: Lessons*

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

and challenges for integrating multi-disciplinary natural and social science methods

- 9:20** Samayita Bandyopadhyay*, Oklahoma State University; *Land-Use/Land Cover Change and Livelihoods Amidst Landslides – Survival and Vulnerabilities in Kurseong, India*

Wednesday-056-8:00 a.m. Vegetation Dynamics I (Sponsored by Biogeography Specialty Group, Geomorphology Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): David Cairns, Texas A&M University

CHAIR: David Cairns, Texas A&M University

- 8:00** Chenxi Lin*, University of Wisconsin - Milwaukee; Changshan Wu, University of Wisconsin - Milwaukee; *Impacts on vegetation phenology caused by urban heat island*
- 8:20** Jorge Ruiz*, Universidad Pedagógica Y Tecnológica De Colombia; *The impact of protected areas in woody cover conservation in Boyaca, Colombia 1999-2015*
- 8:40** Daehyun Kim*, Seoul National University; Jung-Yun Lee, Ecology & Spatial Information Institute; Jongcheol Seo, Daegu Catholic University; Insang Song, Seoul National University; *Recolonization of native and invasive plants after large-scale clearance of a temperate coastal dune field*
- 9:00** Alexander Axiotis*, University of Toronto - Mississauga; Yuhong He, University of Toronto - Mississauga; *Assessing the Effects of Emerald Ash Borer on Ash Trees in A Mixed Forest Stand Using High Spatial Hyperspectral Remote Sensing*

Wednesday-057-8:00 a.m. Assembling Benthic Power 1 (Sponsored by Cultural and Political Ecology Specialty Group, Political Geography Specialty Group, Coastal and Marine Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jesse Swann-Quinn, Syracuse University; Katherine Sammler, California State University - Maritime Academy

CHAIR: Jesse Swann-Quinn, Syracuse University

- 8:00** Jason Dittmer*, Professor of Political Geography, University College London; *The State, All at Sea: Interoperability and the Global Network of Navies*
- 8:20** Katherine Sammler*, Assistant Professor, California State University Maritime; Lily House-Peters, Assistant Professor, California State University Long Beach; Casey Lynch, University of Arizona; *Bottles not bodies: Producing analogs and robots for environments hostile to human life*
- 8:40** Jesse Swann-Quinn*, Syracuse University; *Extracting Violence from the Deep: A critical geopolitics of deep-sea mining assemblages*
- 9:00** Vanessa Koh*, Yale University; *Shifting Sands: Generating Land from the Seabed*
- 9:20** Discussant(s): Anna Zalik, Associate Professor, York University

Wednesday-058-8:00 a.m. Modeling for Sustainability 1

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Eungul Lee, West Virginia University

- 8:00** YUAN GAO*, Tsinghua University; *Simulation, prediction and optimization of ecological security in urban areas*
- 8:20** Muhammad Rovaidd Uddin*, Institute of Space Technology; Ali Ahmed Khan, Karachi University; Saad Ul Haque, Institute of Space Technology; Saad Malik, Institute of Space Technology; *Urban Landuse Spatial Analysis: A Case Study of North-Nazimabad Block-D, E, F, G, H*
- 8:40** Mingzhou QIN*, Key Laboratory of Geospatial Technology in Middle and Lower Yellow River regions, MOE; College of Environment and Planning, Henan University; China; Pengyan Zhang, Key Laboratory of Geospatial Technology in Middle and Lower Yellow River regions, MOE; College of Environment and Planning, Henan University, China; Bin Li, Key Laboratory of Geospatial Technology in Middle and Lower Yellow River regions, MOE; College of Environment and Planning, Henan University, China; *Study on land allocation optimization of communities with Chinese characteristics based on the point-axis model: a case study of Kaifeng City pilot villages*
- 9:00** Heng Cai*, Louisiana State University; Nina Lam, Louisiana State University; Lei Zou, Texas A&M University; *Coupled natural-human land loss modeling in the lower Mississippi river basin*
- 9:20** Eungul Lee*, West Virginia University; Yaqian He, Dartmouth College; Yong-Lak Park, West Virginia University; *Could the future climate change pose a risk or benefit to the bee development?*

Wednesday-068-8:00 a.m. Strategies for Using Mobile Big Data for Official Statistics

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Age Poom, University of Tartu; Matthew Zook, University of Kentucky; Harvey Miller, The Ohio State University

CHAIR: Harvey Miller, The Ohio State University

Introduction(s): Menno-Jan Kraak, Prof. Dr., ITC

Discussant(s): Harvey Miller, Professor, The Ohio State University

Panelist(s): Matthew Zook, Professor, University of Kentucky; Age Poom, University of Tartu; Anto Aasa; Tuuli Toivonen

Wednesday-069-8:00 a.m. Welcome to the AAG (Sponsored by Graduate Student Affinity Group, Careers and Professional Development, American Association of Geographers)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Douglas Allen, Florida State University; Rachael Cofield, Florida State University

CHAIR: Douglas Allen, Florida State University

Panelist(s): Brian Williams, Dartmouth College; Pavithra Vasudevan, Assistant Professor, University of Texas - Austin; Francis Koti, University of North Alabama

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

Wednesday-070-8:00 a.m. Defining Borders, Displacing Lives: Global Refugee Dynamics 1919-2019 (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group, American Geographical Society)

Room: Wilson C, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Karen Culcasi, West Virginia University; Emily Skop, The University Of Colorado At Colorado Springs

CHAIR: Kate Coddington, University at Albany

8:00 Emily Skop*, Professor and Chair, The University Of Colorado At Colorado Springs; Joel Tonyan, University of Colorado Colorado Springs; Arielle Cassidy, University of Colorado Colorado Springs; *Considering Refugees through 100 Years of Geographical Review*

8:20 Elisa Pascucci*, University of Helsinki; *Refugees in the IT sector: Young Syrians' economic subjectivities and familial lives in Jordan*

8:40 Serin Houston*, Mount Holyoke College; *Conceptualizing U.S. Immigrant Sanctuary as a Process*

9:00 Cynthia Gorman*, Ph.D., West Virginia University; *Singled Out: Scaling Violence and Social Groups as Legal Borderwork in U.S. Asylum Law*

9:20 Discussant(s): Kate Coddington, Dr., University at Albany

Wednesday-072-8:00 a.m. Climate and Environmental Change in the Northeastern United States I (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jonathan Winter, Dartmouth College; Francis Magilligan, Dartmouth College

CHAIR: Jonathan Winter, Dartmouth College

8:00 Elizabeth Burakowski*, Research Assistant Professor, University of New Hampshire; Danielle Grogan, Ph.D., University of New Hampshire; Cameron Wake, Ph.D., University of New Hampshire; *Historical and Future Climate in the Northeastern United States, 1980-2099*

8:20 Alexandra Contosta*, University of New Hampshire; Elizabeth Burakowski, University of New Hampshire; Danielle Grogan, University of New Hampshire; *Historical and Future Changes in the Length of the Vernal Window in the Northeastern United States*

8:40 Jonathan Winter*, Dartmouth College; Huanping Huang, Dartmouth College; Erich Osterberg, Dartmouth College; *Mechanisms of Abrupt Extreme Precipitation Change Over the Northeastern United States*

9:00 Natalie Teale*, Rutgers University; *Temporal Analysis of Atmospheric Moisture Pathways in the Northeastern United States*

9:20 Christina Callahan*, University of Delaware; Daniel Leathers, University of Delaware; *A Climatology of Tropical Weather Systems Affecting the Mid-Atlantic Region of North America and Associated Hazards from 1851 to Present*

Wednesday-073-8:00 a.m. Multi-source Remote Sensing for Terrestrial Ecosystem Health Monitoring and Assessment I (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Phuong Dao, University of Toronto, Dept of Geography; Yuhong He, University of Toronto Mississauga; Mitchell Bonney, University of Toronto - Mississauga

CHAIR: Phuong Dao, University of Toronto, Dept of Geography

8:00 Thomas Bilintoh*, Michigan State University; *Assessing Validity of Famer's Response to African Armyworm Infestation in Ejura, Ghana: A Statistical and Remotes Sensing Approach*

8:20 Michael Alonzo*, American University; Gus Jespersen, University of Alaska, Anchorage; Bruce D Cook, NASA Goddard Space Flight Center; Douglas C Morton, NASA Goddard Space Flight Center; Paddy Sullivan, University of Alaska, Anchorage; Hans-Erik Andersen, UDSA Forest Service, Pacific Northwest Research Station; *Fingerprinting Three Decades of Changes in Interior Alaska (1982-2014) Using Field Measurements, Stereo Air Photos, and G-LiHT Data*

8:40 Xiaohui Liu*, Ph.D., Dalhousie University; Jennifer McRuer, Ph.D., Dalhousie University; Matthew Schnurr, Ph.D., Dalhousie University; Michael Ungar, Ph.D., Dalhousie University; *Assessing the Ecological Resilience with a Remote Sensing Focused Multisystemic Approach*

9:00 Lorraine Miralha*, PhD Student, School of Sustainable Engineering and the Built Environment, Arizona State University, Tempe, AZ; Rebecca Logsdon Muenich, Assistant Professor, School of Sustainable Engineering and the Built Environment, Arizona State University, Tempe, AZ; *Evaluation of Spatiotemporal Environmental Degradation Surrounding Concentrated Animal Feeding Operations (CAFOs)*

9:20 Phuong D. Dao*, Department of Geography, University of Toronto Mississauga; Yuhong He, Department of Geography, University of Toronto Mississauga; *Drought-induced Plant Pigment Dynamics and Light Use Efficiency of Photosynthesis: the Role of Remote Sensing in Early Stress Detection*

Wednesday-074-8:00 a.m. Natural Hazard Assessment Aided by Streaming Earth Observation into Environmental Models

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Ziheng Sun, George Mason University

CHAIR: Ziheng Sun, George Mason University

Wednesday-081-8:00 a.m. Economic Geography I - Knowledge Production Networks & Global Value Chains (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Dieter Kogler, University College Dublin

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

8:00 Yuen Tung CHAN*, Hong Kong Baptist University; Chun YANG, Hong Kong Baptist University; *Settling Down in Industrial Zones in Northern Vietnam: Production Network Reconfiguration of Electronics Industry in Southeast Asia*

8:20 Jacen Tan*, Mr, National University Of Singapore; *Beyond the Pipe - Digitalization and the Changing Configuration of Telecommunications Production Networks*

8:40 Kerstin Schaefer*, Leibniz Universität Hannover; *Global knowledge flows and active knowledge absorption of latecomer MNEs*

9:00 Claudia De Fuentes*, Sobey School of Business, Saint Mary's University; Jahan Ara Peerally, HEC Montreal; Jason Rhineland, Saint Mary's University; *Building knowledge from engaging in backward and forward Global Value Chains*

9:20 Peter Dannenberg*, *The political development of globally integrated growth corridors – Strategies and regional implications on the example the Southern Agricultural Growth Corridor of Tanzania (SAGCOT)*

Wednesday-082-8:00 a.m. Shifting Ecologies: Liminality, Transience, Encounter

Room: Directors Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Helen Wilson, University of Manchester; Aurora Fredriksen, University of Manchester - Manchester

CHAIR: Helen Wilson, University of Manchester

8:00 Aurora Fredriksen*, University of Manchester - Manchester; *Ecological Ruin, Refuge and the Transient Return of Wild Flamingos to Florida*

8:20 Anya Kaplan-Seem*, University of Minnesota - Twin Cities; *Invisible infrastructure: subsurface drainage in the agrarian Midwest*

8:40 Helen F Wilson*, Durham University; *Coexistence, Transgression, and the Tyne Kittiwakes*

9:00 Charles Carlin*, University of Wisconsin; *Ceremony, Storytelling, and the Paradox of Thresholds*

9:20 Gwendolin McCrea*, University of Minnesota; *Shaping new spaces: how microorganisms make territory*

Wednesday-083-8:00 a.m. Participatory Mapping and Modelling in Urban Resource and Infrastructure Governance (Sponsored by Urban Geography Specialty Group, Applied Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Committee Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Pia Laborgne, European Institute for Energy Research; Monika Heyder, European Institute for Energy Research

CHAIR: Pia Laborgne, European Institute for Energy Research

8:00 Introduction(s): Pia Laborgne, European Institute for Energy Research

8:10 Pia Laborgne*, European Institute for Energy Research; Monika Heyder, European Institute for Energy Research; Joanna Skok, European Institute for Energy Research; Brendan McGill, University of Freiburg; *Participatory mapping in local infrastructure planning*

8:30 Austin Adkison*, University of West Florida; Matthew Schwartz, University of West Florida; John Morgan*, University of West Florida; Dallas Snider, University of West Florida; *A prototype for a web-based water*

quality mapping in support of participatory modeling and mapping

8:50 Patricia Solis*, Executive Director, Arizona State University; Pat DeLucia, PhD, Rice University; *How knowing the purpose of mapping impacts the map and the mappers themselves*

9:10 Discussant(s): Monika Heyder, European Institute for Energy Research

Wednesday-086-8:00 a.m. Picturing Power 1: Innovative Visual Methods in Critical Geography (Sponsored by Cultural Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Melody Lynch, University of Melbourne; Noelani Eidse, McGill University

CHAIR: Melody Lynch, University of Melbourne

8:00 Shannon Black*, University of Toronto; *Crafting Images: Exploring fibre-craft's visual turn*

8:20 Loren March*, University of Toronto; *'As it really is': Representation, obscurity and visual cultures of creative space in Toronto*

8:40 Matthew Hannah*, Universität Bayreuth; *Visualizing a political economy of directed practice: graphics as catalysts for thought*

9:00 Adrian Gras-Velazquez*, Smith College; Jamie Worms*, Smith College; *The Digital Production of the Self and Social Space of Rio's Favelas Through the Analysis of Participatory Imagery*

9:20 Hilary Hungerford*, Utah Valley University; Ang Subulwa, University of Wisconsin-Oshkosh; *The Insta-Gaze: power, images, and stereotypes of Africa*

Wednesday-087-8:00 a.m. Embodiment Through Resistance. the Extractive Industry and Its Consequences on Water in Latin America (Sponsored by Geographic Perspectives on Women Specialty Group, Latin America Specialty Group)

Room: Forum Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Martina Angela Caretta, West Virginia University; Sofia Zaragocin, FLACSO-Ecuador

CHAIR: Sofia Zaragocin, FLACSO-Ecuador

Discussant(s): Sofia Zaragocin, FLACSO-Ecuador

Panelist(s): MARLENE BRITO-MILLAN, University of San Diego; Valeria Guarneros-Meza, De Montfort University; Manuel Mendez, Université de Rennes 2; Gisela Rodriguez Fernandez, Student, Portland State University

Wednesday-088-8:00 a.m. Situated Natures and the Politics of Knowing

Room: Cabinet Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mara Dicenta, Rensselaer Polytechnic Institute; Peter Klepeis, Colgate University

CHAIR: Mara Dicenta, Rensselaer Polytechnic Institute

8:00 Discussant(s): Peter Klepeis, Associate Professor, Colgate University

8:20 Peter Klepeis*, Colgate University; *Church Forests, Scientific Imaginaries, and Modernity*

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

8:40 Consuelo Guayara Sanchez*, The University of Iowa;
Climate change and Indigenous organic coffee production: ways of knowing, experiencing and influencing social and environmental change

9:00 Sibyl Diver*, Stanford University; *Networked sovereignties: Indigenous science and water governance in the Klamath River Basin (California, US)*

Wednesday-089-8:00 a.m. 14. Population Specialty Group:**Population and Environment (Sponsored by Population Specialty Group)**

Room: Council Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

8:00 Jacob Scott*, Michigan State University; *A Demographic Spatial Analysis of Flood Prevention Infrastructure in Detroit*

8:20 Fatima Benitez Ramirez*, Universidad San Francisco De Quito; Carlos Fernando Mena, Mena, Universidad San Francisco de Quito; *Urban growth modeling and future exposure to climate change: study case Esmeraldas - Ecuador*

8:40 Jing Wang*, Research Center for Eco-Environmental Sciences, Chinese Academy Sciences; Weiqi Zhou, Research center for Eco-Environmental Sciences, Chinese Academy Sciences; *From quantity to quality: Enhanced understanding on the changes in urban greenspace*

9:00 Leevun A R Solomon*, The University of the West Indies, Trinidad; Jason Tambie, Dr, The University of the West Indies, Trinidad; *An Investigation of Factors Influencing the Spatio-Temporal Distribution of Street-Based Homeless People in Port-of-Spain, Trinidad*

9:20 Yanqiang Chen*, Beijing Normal University; Peijun Shi, Beijing Normal University; *Factors contribution to oxygen concentration in Qinghai-Tibetan Plateau*

Wednesday-090-8:00 a.m. Trees in the City 1: Urban Forest**Change and Geospatial Methods (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**

Room: Congressional A, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR: Shawn Landry, University of South Florida

8:00 Won Hoi Hwang*, Virginia Tech; P. Eric Wiseman, Virginia Tech; *A Comparison of Geospatial Methods for Tree Canopy Assessment: A Case Study of an Urbanized College Campus*

8:20 Adam Berland*, Ball State University; Lara Roman, USDA Forest Service; Jess Vogt, DePaul University; *Generating street tree data using Google Street View: data quality varies according to analyst expertise*

8:40 Lara Roman*, USDA Forest Service; Indigo Catton, University of Pennsylvania; *Canopy in flux: 40 years of tree cover change in Philadelphia*

9:00 Marc Healy*, Clark University; *Characterizing historical urban canopy cover change in a post-industrial city*

9:20 Dexter Locke*, National Socio-Environmental Synthesis Center (SESYNC); Alessandro Ossola, Centre

for Smart Green Cities, Department of Biological Sciences, Macquarie University, North Ryde, Sydney, NSW, 2109, Australia; Brenda Lin, CSIRO Land and Water Flagship, Aspendale, VIC, Australia; Emily Minor, Department of Biological Sciences, University of Illinois Chicago, 845 W. Taylor St., Chicago, IL 60607-7060, USA; *Unveiling green hidden treasures: back-yards host most of urban trees*

Wednesday-091-8:00 a.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Time-Geography – Understanding the Digital Society I

Room: Congressional B, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kajsa Ellegård, Linköping University; Kajsa Ellegård, Linköping University; Åsa Westermark, Jönköping University

CHAIR: Kajsa Ellegård, Linköping University

8:00 Chunjiang Li*, Peking University; Yan Zhang, Beijing Union University; Yanwei Chai, Peking University; *Changes of Influencing Factors of Residential Home-Work Separation in Beijing – Verification Based on Activity Diary Survey in 2007 and 2017*

8:20 Kristina Trygg*, Linköping University; *Urban and regional planning for sustainability*

8:40 Yan Zhang*, The Institute of Beijing Studies, Beijing Union University; *Community as a Pocket of Local Order: Case Study of Beijing*

9:00 Kohei Okamoto*, Nagoya University; Yoshio ARAI, The University of Tokyo; *Time-geography in Japan: Its application to urban life*

9:20 Wiktoria Glad*, Vallastaden Energy Designs - new low energy housing in Sweden

Wednesday-092-8:00 a.m. Geographies of Wellbeing:**Researching what it Takes to Make a 'Life Worth Living' (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group, Health and Medical Geography Specialty Group)**

Room: Empire Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Katharine Mckinnon, La Trobe University; Jane Farmer, Swinburne University of Technology

CHAIR: Stephen Healy, Western Sydney University, Institute for Culture and Society

8:00 David Conradson*, University of Canterbury; *Recognition, attunement and wellbeing: observations from a post-disaster city*

8:20 Noëlle Boucquey*, PhD, Eckerd College; *Contested commoning: urban fishing infrastructures and community wellbeing*

8:40 Jane Farmer*, Swinburne University of Technology; *Design me a wellbeing workplace: using spatial methods and theory to engage social enterprise managers*

9:00 Magalie Quintal-Marineau*, Institut national de recherche scientifique; *Using migration as a strategy for family and community wellbeing*

9:20 ANNE HERTZOG*, University of CERGY PONTOISE; *Building wellbeing indicators with participative*

WEDNESDAY, April 3 • 8:00 AM - 9:40 AM

methodology: complexity and limits of a place based approach of wellbeing

Wednesday-093-8:00 a.m. Lacanian Landscapes I:

Spatializing Structure (Sponsored by Landscape Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Lucas Pohl; Sarah Moore, University of Wisconsin - Madison; Paul Kingsbury, Simon Fraser University

CHAIR: Sarah Moore, University of Wisconsin - Madison

8:00 Rowan Jaines*, University of Sheffield; *The Landscape Gazes Back*;

8:20 Hilda Fernandez Alvarez*, SFU Department of Geography; *Discursive Landscapes of the Institution*

8:40 Ulf Strohmayr*, University of Ireland Galway; *The Mirror Revisited: Possibly Conditioned Geographies*

9:00 Discussant(s): Sarah Moore, Associate Professor, University of Wisconsin - Madison

Wednesday-094-8:00 a.m. Regional Urbanization -

Unpacking the Relationships between the Metropolis and its Megaregion. Part 1: Analytical Perspectives from North Western European Countries

Room: Regency Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Anna Growe, Heidelberg University; Angelika Muentert, ILS - Institute for Regional and Urban Development

CHAIR: Anna Growe, Heidelberg University

8:00 Angelika Muentert*, ILS - Research Institute for Regional and Urban Development, Dortmund, Germany; Kati Volkmann, ILS - Research Institute for Regional and Urban Development, Dortmund, Germany; *Understanding the drivers of concentration and deconcentration processes in and between urban regions*

8:20 Angelika Krehl*, Leibniz Institute of Ecological Urban and Regional Development (IOER); *Urban restructuring, land scarcity and KIBS – thoughts and analyses regarding their integration prospects*

8:40 Madeleine Wagner*, Heidelberg University, Germany; Anna Growe, Heidelberg University, Germany; *Regional urbanization through knowledge-based economic activities – changing patterns of knowledge-intensive services and of creative activities in small and medium sized towns*

9:00 Rodrigo Viseu Cardoso*, Delft University of Technology; *City of Cities? Finding selective cityness in the territories of metropolisation*

9:20 Discussant(s): Nitin Bathla, ETH Zurich

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

Wednesday-012-9:55 a.m. Political Economies of Geolocation II (Sponsored by Digital Geographies Specialty Group, Economic Geography Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Agnieszka Leszczynski, Western University; Will Payne, University of California - Berkeley

CHAIR: Will Payne, University of California - Berkeley

9:55 Jeremy W. Crampton*, Newcastle University; Harrison Smith, Newcastle University; Colette Berbesque, Roehampton University; Steve Graham, Newcastle University; Kara Hoover, University of Alaska Fairbanks; *Surveillance Anxiety at Festivals as a Predictor for Smart Cities*

10:15 Agnieszka Leszczynski*, Western University; *Geolocation and the affective assembly of the platform economy*

10:35 Harrison Smith*, Newcastle University; *'Keeping Pace with the Consumer': Political Economy and the Location Analytics Industry*

10:55 Luis Alvarez Leon*, Dartmouth College; *Mapping the Future Transportation Stack*

11:15 Discussant(s): Dillon Mahmoudi, Assistant Professor, University of Maryland - Baltimore County

Wednesday-031-9:55 a.m. On the Blockade: Geographies of Circulation and Struggle (II): Solidarities in Difference

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kai Bosworth, Brown University; Charmaine Chua, Oberlin College

CHAIR: Kai Bosworth, Brown University

9:55 Sam Markwell*, New York University; *Apprehending Solidarity: Race and Governmental Power in Middle Rio Grande Water Politics*

10:15 Anja Kanngieser*, *Demanding accountability: Blockading for climate justice in the Pacific*

10:35 Michael Simpson*, University of British Columbia; *Lines of Resistance: Settler-Indigenous solidarities in opposition to the Trans Mountain Pipeline*

10:55 Diarmaid Kelliher*, University of Glasgow; *'Blockade the scabs': The mass picket in 1970s and 80s Britain*

11:15 Matty Fuller*, Critical Geographies Research Lab; *Settler solidarities with Indigenous communities confronting fossil fuel projects in the Pacific Northwest: Comparing the Shell No! Movement and the Lummi Nation Totem Pole Journey*

Wednesday-032-9:55 a.m. Does Cartography Need a Body of Knowledge? (Sponsored by Cartography Specialty Group, Esri)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Georg Gartner, Department of Geoinformation And Cartography - TU Vienna

CHAIR: Menno-Jan Kraak, ITC

9:55 Discussant(s): E. Lynn Usery, United States Geological Survey

10:00 Menno-Jan Kraak*, University of Twente; *Train the map makers and educate the map users*

10:15 E. Lynn Usery*, United States Geological Survey; Dalia Elena Varanka, Ph.D., U.S. Geological Survey; Georg Gartner, Prof. Dr., Vienna University of Technology; *A Semantic Representation for CartoBoK*

10:30 Robert Roth*, UW-Madison; *Collectively Making a CartoBoK*

10:45 Kenneth Field*, Esri; *BOOK and MOOC: Cartography as a four letter word*

11:00 Georg Gartner*, Department of Geoinformation And Cartography - TU Vienna; *Does Cartography need a BoK?*

11:15 Discussant(s): John Wilson, Director, Spatial Sciences Institute, University Of Southern California

11:25 Discussant(s): Menno-Jan Kraak, Prof. Dr., ITC

Wednesday-034-9:55 a.m. Transformation of Trans-local Cultural and Creative Production I (Sponsored by Economic Geography Specialty Group, Cultural Geography Specialty Group, China Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Xu Zhang, Wuhan University of Technology; Jun Wang, City University of Hong Kong; Chun YANG, Hong Kong Baptist University

CHAIR: Jun Wang, City University of Hong Kong

9:55 Di Wu*, *The role of the "boundary spanners" on attracting the creative individuals to the porcelain crafts industry cluster in Jingdezhen, China*

10:15 James Vail*, University of Manchester; *Networked Cultural Production and the Discourse of Autonomy in Underground Record Labels*

10:35 Jinliao He*, *Creatives in Cyberspace: Local Amenities for the Agglomeration of Creative E-Freelancers in China*

10:55 Hu Wen*, Hunan University; SUYUAN ZHANG, Hunan university; *The Study of Beijing Film Industry from the Perspective of City Network Linkage*

11:15 Xu Zhang*, Wuhan University of Technology; *Cultural and creative production in the era of globalization: Exploring the trans-border mobility of Chinese media and entertainment celebrities*

Wednesday-035-9:55 a.m. Agroecology Now! 2 – Rooting for the Underdog (Sponsored by Geographies of Food and Agriculture Specialty Group, Rural Geography Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Colin Anderson, Centre for Agroecology, Water and Resilience at Coventry University; Michael Jahi Chappell, Coventry University; Jessica Milgroom

CHAIR: Michael Jahi Chappell, Coventry University

9:55 Alastair Iles*, *Can Australia transition to an agroecological future?*

10:15 Liz Carlisle*, Stanford University; Marcia DeLonge, Union of Concerned Scientists; Maywa Montenegro, UC Davis; *Removing Barriers for New Entry Sustainable Farmers in the US: A Narrative Review*

10:35 David Meek*, University of Oregon; *Agroecological Transitions and the Politics of Scale in Sikkim, India*

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

- 10:55** Alana Siegner*, Jennifer Sowerwine, University of California, Berkeley, Cooperative Extension, Department of Environmental Science, Policy and Management; Charisma Acey, University of California, Berkeley Department of City and Regional Planning; *Producing Urban Agroecology in the East Bay: From Soil Health to Community Empowerment*

11:15 Discussant(s): Annie Shattuck, University of California - Berkeley

Wednesday-036-9:55 a.m. Situated Modes of Land Grabbing in Latin America: Everyday Dispossessions I (Sponsored by Latin America Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Natalia Perez, Simon Fraser University; Fernanda Rojas Marchini, University of British Columbia

CHAIR: Natalia Perez, Simon Fraser University

- 9:55** Diana Ojeda*, Universidad Javeriana; *Sedimented Landscapes of Dispossession and Landgrabbing in Latin America and the Caribbean*

- 10:15** Lindsey Carte*, Universidad de la Frontera; Claudia Radel, Utah State University; Birgit Schmook, ECOSUR; Richard Johnson, University of Arizona; *The slow displacement of smallholder farming families: land and labor migration in Nicaragua and Guatemala*

- 10:35** María Belén Noroña*, Geography Department; *Oil indigenous epistemologies and social justice at extractive frontiers.*

- 10:55** Monica Hernandez*, Rutgers, The State University of New Jersey; *Challenging collective property regimes for the Afro Colombian communities of La Boquilla and Medio Atrato*

11:15 Discussant(s): Fernanda Rojas Marchini, University of British Columbia

Wednesday-037-9:55 a.m. Exploring the ABCs of Immigrant Integration: Assimilation, Belonging, Citizenship (Sponsored by Ethnic Geography Specialty Group, Political Geography Specialty Group, Population Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Samuel Nielson, University of South Carolina

CHAIR: Samuel Nielson, University of South Carolina

- 9:55** Samuel Nielson*, University of South Carolina; *Walloon Integration Activists and Belgian Belonging*

- 10:15** Paul McDaniel*, Kennesaw State University; Christina Edwards, Kennesaw State University; Darlene Xiomara Rodriguez, Kennesaw State University; Gianni Bisio, Kennesaw State University; *Immigrant Integration and Receptivity in Networks of Welcoming Cities: A Comparison of Australia and the United States*

- 10:35** Austin Charron*, University of Kansas; *Internally Displaced Peoples from Crimea: Between Belonging and Exclusion in Mainland Ukraine*

- 10:55** MBDC ADINOLFI*, University of Johannesburg; *Social organization and footprint of the Portuguese diasporic community in Johannesburg: The case of the 1st São Jorge Scouts Group*

Wednesday-038-9:55 a.m. Urban Space, Place, and Architecture in Shaping National Identity and Belonging II (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Urban Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Joshua Hagen, Northern State University

CHAIR: Joshua Hagen, Northern State University

- 9:55** Ethan Bottone*, University of Tennessee, Knoxville; Derek H. Alderman, University of Tennessee, Knoxville; Joshua Inwood, Pennsylvania State University; *The "Unmarked and Unremarked" Memories of the National Mall: Resurrection City and the Unreconciled History of the Civil Rights Movement as Radical Place-Making*

- 10:15** Holly Smith*, University of South Carolina; *Situated Citizenship and Youth Geographies in Jordan: Being Ammani*

- 10:35** Kathryn Hannum*, Kent State University; *Buenos Aires Celebrates Galicia: Stakeholder aims and benefits of a transnational festival*

- 10:55** Devra Waldman*, The University of British Columbia; *Architecture, aesthetic governance, and acceptable forms of citizenship in the 'Millennial City': an examination of gated community development in Gurgaon, India*

- 11:15** Yi-Chia Chen*, University of Colorado - Denver; Sung-Mi Han*, Design Lab DUDA; *Embodying Nationality: Contested Palace Plazas in East Asian Capitals*

Wednesday-039-9:55 a.m. Advanced Vehicle Technologies: Alternative Fuels, Autonomous Vehicles, and Geographical Considerations of Diffusion II (Sponsored by Transportation Geography Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Scott Kelley, University of Nevada, Reno

CHAIR: Scott Kelley, University of Nevada, Reno

- 9:55** Daniel Turner*, University of Alabama; Kevin Curtin, University of Alabama Department of Geography; *Unmanned Vehicle Logistics Modeling: Results and Integration*

- 10:15** Asli Gocmen*, University of Wisconsin; Gillian Cooper, University of Wisconsin - Madison; *Planning for a Future with Self-driving Cars: Practices of and Perspectives from U.S. Municipalities*

- 10:35** Scott Kelley*, Assistant Professor, University of Nevada, Reno; *Travel Behavior in a Developing Connected Environment: Considerations from the Public of Reno, Nevada*

- 10:55 Discussant(s):** Michael Kuby, Professor, Arizona State University

Wednesday-049-9:55 a.m. Integrating Remotely Sensed Mapping of Land Use and Land Cover and Climate Models (Sponsored by Climate Specialty Group, Remote Sensing Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Stephanie Spera, Dartmouth College; Yaqian He, Dartmouth College

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

CHAIR: Stephanie Spera, Dartmouth College

- 9:55** Yaqian He*, Dartmouth College; Justin S. Mankin, Department of Geography, Dartmouth College, Hanover, NH, USA; Department of Earth Sciences, Dartmouth College, Hanover, NH, USA; Lamont-Doherty Earth Observatory of Columbia University, New York, NY, USA; *Agricultural expansion in China and its influence on East Asian Summer Monsoon*
- 10:15** Stephanie Spera*, University of Richmond; *Tradeoffs Between Land-Management and Regional Climate in the Brazilian Cerrado*
- 10:35** Kory Pilet*, University of Alabama; Sarah Praskiewicz, Department of Geography, Environment, and Sustainability, University of North Carolina, Greensboro; Nicholas Magliocco, Department of Geography, University of Alabama; *Land-Use Land-Cover Change Effects on Discharge in the North River Basin*
- 10:55** Ruiting Zhai*, Department of Geography, University of Connecticut; Chuanrong Zhang, Department of Geography, University of Connecticut; Weidong Li, Department of Geography, University of Connecticut; *Assessing driving forces of land use and land cover change by a mixed-method approach in New England area, US*
- 11:15** Amina Naliaka*, Southern Illinois University; Gengxin Ou, University of Nebraska, Lincoln; Ruopu Li, Southern Illinois University, Carbondale; *Assessing the Hydrologic Response of Agriculturally Dominated Basins to Climate Variability and Changes in Agricultural Management Practices*

**Wednesday-056-9:55 a.m. Vegetation Dynamics II
(Sponsored by Biogeography Specialty Group,
Geomorphology Specialty Group)**

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): David Cairns, Texas A&M University

CHAIR: Daehyun Kim, Seoul National University

- 9:55** David Cairns*, Professor, Texas A&M University; Rosemary Dwight, Texas A&M University; *Landscape Analysis of Shrub Expansion on the North Slope of Alaska*
- 10:15** Matthew Goslin*, University of Oregon; *Do river disturbance and geomorphology drive distribution and patterning of the native riparian sedge, Carex nudata?*
- 10:35** Tasnuba Jerin*, University of Kentucky; *Biogeomorphic Keystones and Equivalents: Examples from a Bedrock Stream*
- 10:55** Steve Tulowiecki*, SUNY - Geneseo; Chris P.S. Larsen, University at Buffalo; David S. Robertson, SUNY Geneseo; *Is current oak (Quercus spp.) distribution in Western New York State related to environmental conditions, past Native American land use, or both?*
- 11:15** Max Morris*, Texas A&M University; *Fuel for Wildfire: Controls on the Distribution of Wildfire in the Southeastern United States*

**Wednesday-057-9:55 a.m. Assembling Benthic Power 2
(Sponsored by Coastal and Marine Specialty Group,
Cultural and Political Ecology Specialty Group,
Political Geography Specialty Group)**

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jesse Swann-Quinn, Syracuse University; Katherine Sammler, California State University - Maritime Academy

CHAIR: Jesse Swann-Quinn, Syracuse University

- 9:55** Elaine Stratford*, University of Tasmania; *Geographies of the Drowned*
- 10:15** Charles Travis*, Dr., University of Texas - Arlington; Poul Holm, PhD, Trinity College, The University of Dublin; Francis Ludlow, PhD, Trinity College Dublin; Kevin Loughheed, PhD, King's College London; *Inventing the Grand Banks: Humanities GIS, and Cartesian Perceptions of North-West Atlantic Fisheries ca 1504-ca 1831*
- 10:35** Craig Young*, *The dead body, burial at sea and benthic power*
- 10:55** Nick Lewis*, University Of Auckland; *Geographical rents and blue economy experiments*
- 11:15** Discussant(s): Jessica Lehman, University of Minnesota - Minneapolis

Wednesday-058-9:55 a.m. Modeling for Sustainability 2: Past and Present

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Quy Khuc, University of Alabama

- 9:55** Mark Blumler*, SUNY-Binghamton; *What Happened to the Hadley Cell during the Eocene? Implications for Latitudinal Vegetation Gradients under Global Warming*
- 10:15** Junghyung Ryu*, Department of Oceanography and Coastal Sciences, College of the Coast and Environment, Louisiana State University; Kam-biu Liu, Department of Oceanography and Coastal Sciences, College of the Coast and Environment, Louisiana State University; Terrence A. McCloskey, Cherokee Nation Technology Solutions, Contracted to U.S. Geological Survey Wetland and Aquatic Research Center, Parker Coliseum, Baton Rouge, Louisiana, 70803, United States; *A Late-Holocene Pollen Record of Coastal Ecosystem Changes and Mangrove Development in Louisiana*
- 10:35** Guiming Zhang*, University of Denver; A-Xing Zhu, University of Wisconsin-Madison; Steve K. Windels, Voyageurs National Park, National Park Service; Cheng-Zhi Qin, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; *Modelling species habitat suitability from presence-only data using kernel density estimation*
- 10:55** Quy Khuc*, University of Alabama; Nicholas Magliocco, University of Alabama; Ariane de Bremond, University of Bern; Evan A. Ellicott, University of Maryland; *Estimating forest carbon emission driven by large-scale land acquisition in Cambodia*
- 11:15** Yaning Chen*, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Haijun Deng, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Zhi Li, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Gonghuan Fang, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; *Changes in terrestrial total water storage in the High Asia region*

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

Wednesday-067-9:55 a.m. Urban Data Science I: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Levi Wolf, University of Bristol; Taylor Oshan, Arizona State University; Wei Kang, University of California - Riverside

CHAIR: Levi Wolf, University of Bristol

9:55 Danlin Yu*, Montclair State University; Yaojun Zhang, Dr., Renmin University of China; *An eigenfunction based spatial filtering analysis of how socioeconomic and natural condition factors impact on different groups of people's migration patterns in China*

10:10 Byong-Woon Jun*, Professor, Kyungpook National University; *A Geographically Weighted Poisson Regression Approach to Satellite Imagery Based Population Estimation*

10:29 Hui Jeong Ha*, The Ohio State University, City and Regional Planning; Elisabeth Root, The Ohio State University, Department of Geography; Bernadette Hanlon, The Ohio State University, City and Regional Planning; *Poverty pockets in the suburbs: A new way to understand school inequality*

10:48 Ziqi Li*, Arizona State University; *FastGWR: Computational Improvements to Geographically Weighted Regression Models*

11:07 Yuanyuan Tian*, Arizona State University; Wenwen Li, Arizona State University; Shaohua Wang, Arizona State University; *Uncovering Multi-scale Processes of Bike Sharing Context in the Megacity*

10:35 Oluwatobi Oke*, Doctoral Candidate, Department of Civil and Environmental Engineering, Colorado State University; Ellison Carter, Assistant Professor, Department of Civil and Environmental Engineering, Colorado State University; Sheryl Magzamen, Associate Professor, Department of Environmental and Radiological Health Sciences, Colorado State University; Shantanu Jathar, Assistant Professor, Department of Mechanical Engineering, Colorado State University; Ander Wilson, Assistant Professor, Department of Statistics, Colorado State University; Bruce Draper, Professor, Department of Computer Science, Colorado State University; Jeremy Auerbach, Post Doctoral Fellow, Department of Environmental and Radiological Health Sciences, Colorado State University; Charles He, Department of Mechanical Engineering, Colorado State University; *Using Deep Learning to Examine the Association between the Built Environment and Resident's Exposure to Chemical Pollutants*

10:55 Lizhi Miao*, 1. College of Geographical and Biological Information Nanjing University of Posts and Telecommunications, Nanjing, China; 2. Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; Mei-Po Kwan, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; Jiayao Diao, College of Telecommunications & Information Engineering Nanjing University of Posts and Telecommunications, Nanjing, China; Donglai Jiao, College of Geographical and Biological Information Nanjing University of Posts and Telecommunications, Nanjing, China; *Using Apache Spark and Random Forest Algorithm to Implement Breast Cancer Risk Prediction Analysis*

11:15 Eun-Kyeong Kim*, University of Zurich; *Sensor Data Analytics and Machine Learning for Health Research: a review*

Wednesday-068-9:55 a.m. GeoAI and Deep Learning Symposium: Machine Learning and Sensor Data Analytics for Health Research

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Eun-Kyeong Kim, University of Zurich; Wei Luo, Arizona State University

CHAIR: Eun-Kyeong Kim, University of Zurich

9:55 Sandy Wong*, Assistant Professor, Florida State University; Martha María Téllez-Rojo, Instituto Nacional de Salud Pública; Alejandra Cantoral, Instituto Nacional de Salud Pública; Ivan Pantic, Instituto Nacional de Salud Pública; Emily Oken, Harvard Pilgrim Health Care; Jennifer W. Thompson, Harvard Pilgrim Health Care; Katherine Svensson, Icahn School of Medicine at Mount Sinai; Kodi Arfer, Icahn School of Medicine at Mount Sinai; Robert O. Wright, Icahn School of Medicine at Mount Sinai; Andrea A. Baccarelli, Columbia University Mailman School of Public Health; Itai Kloog, Ben-Gurion University of the Negev; Allan C. Just, Icahn School of Medicine at Mount Sinai; *Children not at play: Associations between sedentary activity and environmental exposures among Mexico City youth*

10:15 Kenan Li*, University of Southern California; Katherine Sward, University of Utah; Sandra Eckel, University of Southern California; *Predicting asthma symptoms with a Long Short Term Memory neural network and Automatic Feature Extraction using Convolutional Autoencoder*

Wednesday-069-9:55 a.m. Career Mentoring A (Sponsored by Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Mark Revell, American Association of Geographers

9:55 Discussant(s): Joshua Comenetz, Dr., U.S. Census Bureau

10:05 Discussant(s): Andries Heyns, Postdoc, University of Pretoria

10:15 Discussant(s): Daniel Hammel, University of Toledo

10:25 Discussant(s): Christina Hupy, Boundless

10:35 Discussant(s): Richard Quodmine, Senior Lead GIS Analyst, City of Philadelphia

10:45 Discussant(s): Adrienne Kramer, International Association of Fire Fighters

10:55 Discussant(s): Jeffrey Miller, Pix4D

11:05 Discussant(s): Bandana Kar, Research Scientist, Oak Ridge National Laboratory

Wednesday-070-9:55 a.m. "Autobiogeographies:" Transnational Geographers in the United States (Sponsored by Ethnic Geography Specialty Group)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

ORGANIZER(S): Alan Marcus, Towson University

CHAIR: Alan Marcus, Towson University

Panelist(s): Weronika Kusek, Assistant Professor, Northern Michigan University; Heike Alberts, University of Wisconsin-Oshkosh; Ibipo Johnston-Anumonwo, Professor, SUNY Cortland; Alan Marcus, Associate Professor, Towson University; Heather Smith, Professor, University of North Carolina at Charlotte; Stavros Constantinou, Associate Professor, Ohio State University

Wednesday-072-9:55 a.m. Climate and Environmental Change in the Northeastern United States II (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jonathan Winter, Dartmouth College; Francis Magilligan, Dartmouth College

CHAIR: Jonathan Winter, Dartmouth College

9:55 Timothy Hawkins*, Shippensburg University; *The impact of future climate variability on the hydrology of the Delaware River Basin*

10:15 John Callahan*, University of Delaware, Delaware Geological Survey; *Changes in tidal datums and seasonal distribution of water levels in coastal Delaware*

10:35 Michal Zahorik*, University of New Hampshire; Catherine M. Ashcraft, University of New Hampshire; *Land Conservation Priorities in New Hampshire's Municipalities: A Non-Structural Approach to Flood Risk Management*

10:55 Peter Spellane*, New York City College of Technology; Soydan Alihan Polat, Studio M+; *Newtown Creek and nearby East River waterfront: impacts of 21st century weather on former industrial production sites in New York harbor*

Wednesday-073-9:55 a.m. Multi-source Remote Sensing for Terrestrial Ecosystem Health Monitoring and Assessment II (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Phuong Dao, University of Toronto, Dept of Geography; Yuhong He, University of Toronto Mississauga; Mitchell Bonney, University of Toronto - Mississauga

CHAIR: Phuong Dao, University of Toronto, Dept of Geography

9:55 Man Fai Wu*, University of Calgary; Mir Mustafizur Rahman, University of Calgary; Greg McDermid, University of Calgary; Julia Linke, University of Calgary; Guillermo Castilla, Canadian Forest Service; Silvia Alejandra Losada, University of Calgary; Gustavo Lopes Queiroz, University of Calgary; *Airborne Remote Sensing Technologies for Coniferous Stocking Assessment on Boreal Seismic Lines*

10:15 Bailu Zhao*, University of Wisconsin - Milwaukee; *Comparing Autumn Phenology Derived from Field Observations, Satellite Data, and Carbon Flux Measurements in a Northern Mixed Forest*

10:35 Guangxing Wang*, Southern Illinois University at Carbondale; Yunlei Cui, Key Laboratory of Forestry Remote Sensing Based Big Data & Ecological Security

for Hunan Province, Changsha 410004, Hunan, China; Hua Sun, Key Laboratory of Forestry Remote Sensing Based Big Data & Ecological Security for Hunan Province, Changsha 410004, Hunan, China; Xiaoyu Xu, Key Laboratory of Forestry Remote Sensing Based Big Data & Ecological Security for Hunan Province, Changsha 410004, Hunan, China; *Comparative analysis of spectral unmixing methods for improvement of mapping vegetation cover for arid and semi-arid areas*

10:55 CHEN WANXU*, China University of Geosciences (Wuhan); Guangqing Chi, The Pennsylvania State University; Jiangfeng Li, China University of Geosciences (Wuhan); *The spatial effects of land use and land cover change on ecosystem services intensity at the county level in China, 1995-2015*

Wednesday-074-9:55 a.m. Agricultural Land Use Modeling

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Quanfeng Li

9:55 Jose Funes*, University of Maryland at College Park; Laixiang Sun, University of Maryland at College Park; Fernando Sedano, University of Maryland at College Park; Todd Benson, International Food Policy Research Institute; *A Case for Space: The Efficiency Spillover Effect of Biofortified Beans in Rwanda*

10:15 Joshua Ogbonna*, Abia State University; *Land Capability/Suitability Mapping and Burning Issues of Cattle Grazing in Nigeria: Case study of Old Imo State in South Eastern Nigeria*

10:35 Diego A. Pons*, International Research Institute-IRI-Columbia University; Ángel G. Muñoz, International Research Institute-IRI-Columbia University; Kevin J. Anchukaitis, University of Arizona; Matthew J. Taylor, University of Denver; Mariela Meléndez, National Coffee Association of Guatemala -ANACAFE-; Florecio Pappa, National Coffee Association of Guatemala -ANACAFE-; Rosario Gómez, National Weather Institute of Guatemala -INSIVUMEH-; *Climate Services for Coffee Farmers in Southern Guatemala*

10:55 Mario Mighty*, Dr., University of North Alabama; *Modeling Profitability in the Jamaican Coffee Industry*

11:15 Quanfeng Li*, Guoming Du, College of Resources and Environment, Northeast Agricultural University, Harbin, Heilongjiang; *Spatial-Temporal Patterns of Grain Crops in Sanjiang Plain During 2000-2015*

Wednesday-081-9:55 a.m. Economic Geography II - Corporate Strategy, Evolutionary Trajectories of Knowledge Production & Smart Specialization (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Andres Rodriguez-Pose, London School Of Economics

9:55 Patrick Adler*, University of California Los Angeles; Richard Florida, School of Cities, University of Toronto; *Geography is Strategy: The Changing Headquarters Geography of Fortune 500 Firms*

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

10:15 David Rigby*, UCLA; *Smart Specialization as U.S. Regional Policy*

10:35 Changjun Lee*, University College Dublin; Dieter Franz Kogler, University College Dublin; *A New Dimension of Entry: Technological Life-cycle*

10:55 Dieter Kogler*, Spatial Dynamics Lab, University College Dublin; Changjun Lee, Spatial Dynamics Lab, University College Dublin; *The Evolutionary Process of Knowledge Recombination - Relatedness, Variety and Regional Growth*

11:15 Discussant(s): Andres Rodriguez-Pose, London School Of Economics

Wednesday-082-9:55 a.m. Lecture: The Online Spiritual Atlas of China (Sponsored by Geography of Religions and Belief Systems Specialty Group, China Specialty Group)

Room: Directors Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Justin Tse, University of Washington

CHAIR:

Panelist(s): Fenggang Yang, Purdue University; Justin Tse, University of Washington

Wednesday-083-9:55 a.m. Author Meets Critics: Myrl Beam's "Gay, Inc.: The Nonprofitization of Queer Politics" (Sponsored by Sexuality and Space Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Committee Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): David Seitz, Harvey Mudd College

CHAIR: John Paul Catungal, University of British Columbia

Panelist(s): Beyhan Farhadi, University of Toronto; Rae Rosenberg; David Seitz, Harvey Mudd College; Preeti Sharma, UCLA

Discussant(s): Myrl Beam, Virginia Commonwealth University

Wednesday-084-9:55 a.m. Geographies of entitled anger: Revanchist populism in Brazil & beyond (1) (Sponsored by Latin America Specialty Group, Urban Geography Specialty Group, Political Geography Specialty Group)

Room: Executive Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Ryan Centner, London School of Economics; Mara Nogueira, London School of Economics

CHAIR: Ryan Centner, London School of Economics

9:55 Mara Nogueira*, London School of Economics; *The limits of Brazilian participatory democracy: middle-class dwellers and informal street vendors in Belo Horizonte*

10:15 Luiz Vilaca*, *From human rights to corruption fighting: Agenda-shifting in the Brazilian Public Prosecutor's Office*

10:35 Daniel Robins*, University of St Andrews; *Contested Nationalisms: (im)mobility and belonging in times of crisis*

10:55 Discussant(s): Ryan Centner, Assistant Professor, London School of Economics

Wednesday-086-9:55 a.m. Picturing Power 2: Innovative Visual Methods in Critical Geography (Sponsored by Cultural Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Melody Lynch, University of Melbourne; Noelani Eidse, McGill University

CHAIR: Melody Lynch, University of Melbourne

9:55 Joanne Nelson*, University of British Columbia; *Telling the Story of Water: Photovoice for Water Research with Urban Indigenous Youth*

10:15 Samantha Spady*, Siobhan Angus*, *Life in Ruin: Reading images of damage in the Athabasca tar sands*

10:35 John Henry*, University of Kansas; *Using mixed photo-based methods to elicit rural, toxic places of slow violence*

10:55 Dacotah-Victoria Splichalova*, University of British Columbia; *What is your water story? Using participatory video to expand understandings of water security and support sustainable management measures in The Sixaola River Basin*

11:15 Giorgia Bressan*, University of Udine; Andrea Guaran, University of Udine; *Using pictures to collect and study citizens' perceptions on landscape degradation*

Wednesday-087-9:55 a.m. Urban Cultural Studies

Room: Forum Room, Omni, West (Lightning Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Benjamin Fraser, University of Arizona - Spanish and Portuguese - Tucson, AZ

CHAIR: Benjamin Fraser, University of Arizona - Spanish and Portuguese - Tucson, AZ

9:55 Introduction(s): Benjamin Fraser, Professor and Head, University of Arizona - Spanish and Portuguese - Tucson, AZ

10:05 Susan Larson*, Texas Tech University; *Madrid's Post-Crisis Cultural Ecologies*

10:12 Eric Prieto*, Professor, University of California; *Transductive Representations of African Urbanization in an Era of Demographic Flux*

10:19 Benjamin Fraser*, Professor and Head, University of Arizona - Spanish and Portuguese - Tucson, AZ; *Visible Cities: Urban Images and Spatial Form in Global Comics*

10:26 Theresa Enright*, University of Toronto; *Moving Infrastructure: Imagining London through the Crossrail*

10:33 Juliet Carpenter*, Oxford Brookes University; *Vancouver Street Beats: Community-based arts practice as catalyst for social change?*

10:40 Briana Meier*, Doctoral Student, University of Oregon; *Do stones talk in an artificial universe? Vine Deloria's metaphysics of modern existence and everyday urban environments*

10:47 Natchee Barnd*, Oregon State University; *Carving around Concrete: Columbia River Art as Assertions of Native Space*

10:54 Nora Kuettel*, University of Muenster; *Thinking reflexive photography autoethnographically*

11:01 Araceli Masterson-Algar*, *'De Madrid . . . al locutorio': The urban shop window in La bodaby Marina Sereesky (2012)*

11:08 Malcolm Compitello*, University Of Arizona; *Mapping (Juan) Madrid*

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

11:15 Discussant(s): Benjamin Fraser, Professor and Head, University of Arizona - Spanish and Portuguese - Tucson, AZ

Wednesday-088-9:55 a.m. Enough! (Sponsored by Sexuality and Space Specialty Group, Black Geographies Specialty Group, Latinx Geographies Specialty Group, Harassment-Free AAG Initiative)

Room: Cabinet Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Natalie Oswin, McGill University

CHAIR: Natalie Oswin, McGill University

Panelist(s): Michelle Daigle, Assistant Professor, University of British Columbia; Camilla Hawthorne, University of California - Berkeley; Megan Ybarra, Associate Professor of Geography, University of Washington; Jack Gieseke, Assistant Professor of Geography, University of Kentucky; Andrew Curley, University of North Carolina - Chapel Hill; LaToya Eaves, Middle Tennessee State University; Debanuj DasGupta, Assistant Professor, University of Connecticut; Geraldine Pratt, University of British Columbia; Ayona Datta, Dr. King's College London; Beverley Mullings, Dr. Queen's University

Wednesday-089-9:55 a.m. 2. Population Specialty Group: Housing and population (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

9:55 Kevin Kane*, PhD, Southern California Association of Governments; John Cho, PhD, Southern California Association of Governments; Frank Wen, PhD, Southern California Association of Governments; Simon Choi, PhD, Chung An University; *Domestic migration across booming regions: Pull of job growth or push of housing cost?*

10:15 Greg Scott*, MGIS, Penn State University; *Determining Success of the Neighborhood Stabilization Program in Jacksonville, FL: A Response to the Housing Collapse During the Great Recession*

10:35 Youqin Huang*, SUNY - Albany; William Clark, University of California, Los Angeles (UCLA); Daichun Yi, Southwestern University of Finance and Economics; *The Ownership Paradox in Urban China*

10:55 Jianyu Ren*, student and government; *Multiple Home Ownership in the Process of Market Deepening: Has the Influence of Institutional Factors Weakened?*

11:15 Awanti Acharya*, University of Connecticut; *A difference-in-differences based study to determine the impact of house flipping on single-family house price*

Wednesday-090-9:55 a.m. Trees in the City 2: Socio-ecological Interactions in the Urban Forest (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR: Tenley Conway, University of Toronto

9:55 Shawn Landry*, Director and Research Associate Professor, University of South Florida; Michael Andreu, University of Florida; Andrew Koeser, University of Florida; Christina Staudhammer, University of Alabama; Qiuyan Yu, University of South Florida; *Hurricane Caused Tree Damage and the Role of Landscape Configuration and Socioeconomic Legacy*

10:15 Samantha Hamlin*, Environmental Resilience Institute, Indiana University - Bloomington; Sarah Mincey, School of Public and Environmental Affairs, Indiana University - Bloomington; Rob Montoya, School of Informatics, Computing, and Engineering, Indiana University - Bloomington; Jeff Wilson, Department of Geography, Indiana University - Purdue University - Indianapolis; Heather Reynolds, Department of Biology, Indiana University - Bloomington; Samantha Hamlin, Environmental Resilience Institute, Indiana University - Bloomington; *Urban forests and equitability in Bloomington and Indianapolis, Indiana: An explicitly socio-ecological and resilience trait-based approach improves spatial analysis for climate change resilience*

10:35 Michelle Johnson*, U.S. Forest Service, Northern Research Station, NYC Urban Field Station; Rich Hallett, U.S. Forest Service, Northern Research Station, NYC Urban Field Station; Rachel Holmes, The Nature Conservancy, Healthy Trees, Healthy Cities Program; Ben Mertz, The Nature Conservancy, Healthy Trees, Healthy Cities Program; *Understanding variation in street tree health: an examination of urban form, socioeconomic context, and management factors*

10:55 Janina Kowalski*, University of Toronto - Mississauga; *Urban Food Trees in Toronto: Benefits, Challenges & Distribution*

11:15 Nancy Sonti*, *Ambivalence in the Woods: Baltimore Resident Perceptions of Local Forest Patches*

Wednesday-091-9:55 a.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Time-Geography - Understanding the Digital Society II

Room: Congressional B, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kajsa Ellegård, Linköping University; Åsa Westermark, Jönköping University

CHAIR: Kajsa Ellegård, Linköping University

9:55 Åsa Westermark*, Jönköping University; *Time-geography, socio-environmental relationships, and Education for Sustainable Development, ESD*

10:15 Gunnel Andersson*, FoU Sodertorn/Stockholm university; Anne Denhov, Stockholm University; Alain Topor, Stockholm University; Per Bülow, Jönköping University; Kajsa Ellegård, Linköping University; Katerina Vrotsou, Linköping University; CG Stefansson, Stockholm University; *A ten-year follow-up of persons first time diagnosed with psychosis. Trajectories in a time-geographic framework.*

10:35 Mattias Hellgren*, Linköpings University; *Pockets and places*

10:55 Alice Melchior*, HCU Hamburg; Benjamin Schiemer, JKU Linz; Gernot Grabher, HCU Hamburg;

WEDNESDAY, April 3 • 9:55 AM - 11:35 AM

Hägerstrand online: A methodical template for the analysis of space-time trajectories in collaborations

- 11:15** Michael Widener*, University of Toronto; *The impact of time use on dietary behaviours: preliminary results from the FASTT Study*

Wednesday-092-9:55 a.m. Algorithms and Climate Change: Knowing Acting Governing 1 (Sponsored by Digital Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Climate Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Ruth Machen, Newcastle University; Eric Nost, University of Guelph

CHAIR: Eric Nost, University of Guelph

- 9:55 Introduction(s):** Eric Nost, Dr., University of Guelph

- 10:00** Ruth Machen*, Newcastle University; Eric Nost*, University of Guelph; *Algorithmic Climate Politics?*

- 10:15** Bruno MEEUS*, University of Fribourg; *The rise of VR-technology in climate change communication. From distant critique to critical engagement*

- 10:30** Kevin St. Martin*, Associate Professor, Rutgers University; *The Ontological Politics of Interdisciplinary Climate Research*

- 10:45** Thomas Grindstedt*, Roskilde University; *Algorithms and the Anthropocene - Finance, Sustainability, and the Promise and Hazards of New Financial Technologies*

- 11:00** Giovanni Bettini*, Lancaster University; Giovanna Gioli, University of Edinburgh; *Clouding Skies - Digital approaches to 'Loss and Damage' associated with climate change, and the algorithmization of injustice in a warming world*

- 11:15 Discussant(s):** James Ash, Newcastle University

Wednesday-093-9:55 a.m. Lacanian Landscapes II: The Real in Nature (Sponsored by Landscape Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Lucas Pohl; Paul Kingsbury, Simon Fraser University; Sarah Moore, University of Wisconsin - Madison

CHAIR: Lucas Pohl

- 9:55** Lucas Pohl*, Goethe-University Frankfurt am Main; *The Rotten Return of Nature: Ruination and Lacan's Formulas of Sexuation*

- 10:15** Sarah A Moore*, University of Wisconsin-Madison; Paul F Robbins, Nelson Institute for Environmental Studies, University of Wisconsin-Madison; *Return of the Repressed: Native Presence and American Trauma in the Landscapes of Muir's Boyhood and Youth*

- 10:35** Don Kunze*, Pennsylvania State University; Sadra Tehrani, M.A. Architecture, Penn State University; *Central Park as Optical-Extimate Unconscious: The Death Drive in All Its Glory*

- 10:55** Paul Kingsbury*, Professor, Simon Fraser University; *Gaze and Landscape in Sasquatch Expeditions*

- 11:15 Discussant(s):** Lucas Pohl, Goethe University Frankfurt

Wednesday-094-9:55 a.m. Regional Urbanization -

Unpacking the Relationships between the Metropolis and its Megaregion. Part 2: Case Studies and Governance Perspectives

Room: Regency Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Anna Growe, Heidelberg University; Angelika Muentert, ILS - Institute for Regional and Urban Development

CHAIR: Angelika Muentert, ILS - Institute for Regional and Urban Development

- 9:55** Bartosz Bartosiewicz*, University of Lodz; Szymon Marcińczak, University of Lodz, Poland; *Evolution of urban spatial structure after socialism - lessons from Poland*

- 10:15** Antonella Contin*, Politecnico di Milano; Sandy Jiyeon Kim, Research fellow, MSLab., MSLab_Dastu_Politecnico di Milano; Alessandro Musetta, Research fellow, MSLab., MSLab_Dastu_Politecnico di Milano; Stefano Sanna, Arch. MSLab, MSLab_Dastu_Politecnico di Milano; Giulia Tagliente, Arch. MSLab, MSLab_DASTU_Politecnico di Milano; *M.A.Rio project: a case study of Metro-dology using spatial decision support system (SDSS)*

- 10:35** Adhi Setyanto*, Institut Teknologi Bandung; Delik Hudalah, Institut Teknologi Bandung; Ibnu Syabri, Institut Teknologi Bandung; *Megaregion as a New Urban Form: a logistic approach*

- 10:55** Pdraig Carmody*, Ph.D., Trinity College Dublin; Richard Grant, Ph.D., University of Miami; *Pathways to Generative Urbanism? Insights from the Western Cape, South Africa.*

- 11:15** Delik Hudalah*, Bandung Institute of Technology; *Megaregion as the new scale of urbanization: Exploring Urban Structure and Policy in Contemporary Java, Indonesia*

WEDNESDAY, April 3 • 11:45 AM - 12:30 PM**Wednesday-068-11:45 a.m. A New Map of Global Islands****(Sponsored by Esri)**

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 11:45 a.m. - 12:30 p.m.

ORGANIZER(S): Roger Sayre, United States Geological Survey

CHAIR: Roger Sayre, United States Geological Survey

11:45 Roger Sayre*, United States Geological Survey; Dawn Wright*, Esri; Madeline Martin*, U.S. Geological Survey; *A New Map of Global Islands*

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

Wednesday-001-12:40 p.m. Social Media and Big Data I
(Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Atsushi Nara, San Diego State University; Jaehee Park, San Diego State University; Ming-Hsiang Tsou, San Diego State University

CHAIR: Atsushi Nara, San Diego State University

12:40 Ming-Hsiang Tsou*, Professor, San Diego State University; *How to Apply Geo-targeted Social Media Analytics in Public Health Research*

1:00 Alan Smith*, University of Plymouth; *Can social media data be used to predict spatiotemporal human population change?*

1:20 Jinwen Xu*, PhD Candidate, University of Hawaii - Manoa | East-West Center; Yi Qiang, University of Hawaii - Manoa; *Using Twitter Data to Analyze Information Diffusion and Public Perception on Natural Hazards*

1:40 Nana LUO*, San Diego State University; Atsushi Nara, Assistant Professor, Department of Geography, San Diego State University; *An Activity-based Method to Simulate Finer-scale Human Daily Movement*

2:00 Atsushi Nara*, Assistant Professor, San Diego State University; *Data analytics on large spatiotemporal event datasets*

Wednesday-003-12:40 p.m. Travel and the Built Environment (Sponsored by Transportation Geography Specialty Group)

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Yujie Hu, University of South Florida

CHAIR: Yujie Hu, University of South Florida

12:40 Khaula Alkaabi*, Dr., United Arab Emirates University; *Identification of Hotspot Areas for Traffic Accidents using Statistical Approach through GIS: Case of Abu Dhabi, UAE; and Dallas, USA*

1:00 Jonathan Rodriguez*, *Analysis of Bike/Ped Infrastructure and the High Injury Network in Los Angeles County*

1:20 Irenius Konkor*, Moses Kansanga, University of Western

Ontario, London, Canada; Yujie Hu*, Assistant Professor, University of South Florida; *Where are the dangerous intersections for pedestrians and cyclists: A colocation-based approach*

1:40 Yujie Hu*, Assistant Professor, University of South Florida; *Where are the dangerous intersections for pedestrians and cyclists: A colocation-based approach*

2:00 Discussant(s): Geoff Boeing, Assistant Professor, Northeastern University

Wednesday-007-12:40 p.m. Advocacy 101

Room: Virginia A, Marriott, Lobby Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Michelle Kinzer, AAG

CHAIR: Michelle Kinzer, AAG

Panelist(s): Michelle Kinzer, AAG; John Wertman, Program Manager, Public Policy, Esri

Wednesday-008-12:40 p.m. GeoAI and Deep Learning Symposium: Deep Learning for Landcover Mapping and Object Detection using Remote Sensing Imagery I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Tao Liu, Oak Ridge National Laboratory

CHAIR: Tao Liu, Oak Ridge National Laboratory

12:40 Andong Ma*, Texas A&M University; Anthony M. Filippi, Texas A&M University; Zhengcong Yin, Texas A&M University; *A novel recurrent neural networks based framework for hyperspectral image classification*

1:00 Zhenlong LI*, University of South Carolina; Huan Ning, University of South Carolina; *Using existing data to build customized deep learning training datasets for remote sensing image classification*

1:20 St. Thomas LeDoux*, Jeanette Weaver, ORNL; Dalton Lunga, ORNL; Jacob Arndt, ORNL; Sarah Tennille, ORNL; *Data infrastructure for modeling regional metropolitan land use variation via deep learning and remote sensing*

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

- 1:40** Lin LI*, School of Resource and Environment Sciences, Wuhan University; Jiang Liang, School of Resource and Environment Sciences, Wuhan University; Haihong Zhu, School of Resource and Environment Sciences, Wuhan University; Min Weng, School of Resource and Environment Sciences, Wuhan University; *An Improved CNN for Extracting Buildings from High-resolution Imagery*
- 2:00** Yun Li*, George Mason University; Yongyao Jiang, George Mason University; *Improving Geospatial Data Search Ranking using Deep Learning and User Behaviour Data*

Wednesday-009-12:40 p.m. Blue Collar Scholarship 1

(Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Latinx Geographies Specialty Group, Harassment-Free AAG Initiative)

Room: Virginia C, Marriott, Lobby Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Lorraine Dowler, Penn State University; Richard Schroeder, Rutgers University

CHAIR:

Panelist(s): Kevin St. Martin, Associate Professor, Rutgers University; Joshua Mullenite, Wagner College; Sarah Gelbard, McGill University School of Urban Planning; Kimberley Thomas, Assistant Professor, Temple University

Discussant(s): Dana Cuomo, Assistant Professor, Western Kentucky University

Wednesday-012-12:40 p.m. 'Global Production Networks and the Problem of Nature: Revisiting the Economic Geography of Natural Resources' (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Beatriz Bustos, Universidad de Chile; Felipe Irrázaval, University of Manchester

CHAIR: Felipe Irrázaval, University of Manchester

12:40 Ker-Hsuan Chien*, *Bigger turbine, lesser impact? Acoustics, environmental impact assessment, and the global offshore wind network in Taiwan*

1:00 Felipe Irrázaval*, University of Manchester; *Coupling Through Nature: Resource-Making in Natural Gas Production Networks in Peru and Bolivia*

1:20 Jana Kleibert*, Leibniz Institute for Research on Society and Space; Martin Hess*, University of Manchester; *Contesting Global Production Networks of Fur: Spaces of Commodification, Valuation and Dissociation*

1:40 Matthew Fahrenbruch*, University of Kansas; *A Political Ecology of the Jellyfish Fishery in Nicaragua*

2:00 Discussant(s): Liam Campling, Queen Mary University of London

Wednesday-031-12:40 p.m. On the Blockade: Geographies of Circulation and Struggle (III): Refusal to be Liquidated

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Kai Bosworth, Brown University; Charmaine Chua, Oberlin College

CHAIR: Kai Bosworth, Brown University

12:40 Martin Danyluk*, University of British Columbia; *Seizing the Means of Distribution: Power Geometries and Political Resistance in Coco Solo, Panama*

1:00 David Gilbert*, University of California, Berkeley; *On the blockade in a Sumatran plantation zone*

1:20 David Featherstone*, University of Glasgow; *Anti-Colonialism, Communism and Maritime Labour: the Contested Transnational Politics of the 1939 Indian Seafarers' Strikes*

1:40 Chester Antonino Arcilla*, University of the Philippines-Manila; *Community barricades as precarious subaltern enactments towards a right to the city*

2:00 Discussant(s): Charmaine Chua, Oberlin College

Wednesday-032-12:40 p.m. Cognition, Behavior and Design 1 (Sponsored by Cartography Specialty Group, Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Jeff Howarth, Middlebury College; Carolyn Fish, University of Oregon

CHAIR: Jeff Howarth, Middlebury College

12:40 Crystal Bae*, University of California, Santa Barbara; *Characterizing Spatial and Social Strategies During Collaborative Situated Navigation*

1:00 Kevin Curtin*, Professor, Department of Geography; *Accelerating Research Advances in Collective Spatial Cognition*

1:20 Mehrdad Vaziri*, University of South Florida; Joni Downs, PhD, Associate Professor, School of Geosciences, University of South Florida; Elizabeth Schotter, PhD, Assistant Professor, Department of Psychology, University of South Florida; *Eye movement Similarity Index: A GIScience based method*

1:40 P. William Limpisathian*, University of Oregon; Amy Lobben, University of Oregon; *Neurological Correlates of Cognitive Navigational Self-location*

2:00 Jeff Howarth*, Associate Professor, Middlebury College; Richard E. Mayer, UC Santa Barbara; *DIY Geography Education Online: a practical guide to cognitive principles*

Wednesday-034-12:40 p.m. Transformation of Trans-local Cultural and Creative Production II (Sponsored by China Specialty Group, Economic Geography Specialty Group, Cultural Geography Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Xu Zhang, Wuhan University of Technology; Jun Wang, City University of Hong Kong; Chun YANG, Hong Kong Baptist University

CHAIR: Chun YANG, Hong Kong Baptist University

3:55 Jun Wang*, City University of Hong Kong; Xu Zhang, Wuhan University of Technology; *Framing Creative Production Networks: Trans-Border Film Production After Ceba*

4:15 Yu Zhou*, Vassar College; *Policy Mobility and qujing (取经): -China's search and adoption of sustainable building technology from abroad.*

4:35 HELIN LIU*, Baoqiang Wang, School of Architecture and Urban Planning, Huazhong University of Science and

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

Technology; Fatang Liu, School of Architecture and Urban Planning, Huazhong University of Science and Technology; *The production network of urban planning and design industries in megacities in middle China: A case study of Wuhan*

4:55 Wen Guo*, Ohio State University; *A Social Network Analysis of Urban Governance in Local Creative Placemaking Project*

5:15 Juncheng Dai*, Central University of Finance and Economics; *Different network and creative cluster innovation: relational economic geography view on Guangdong Industrial Design City*

Wednesday-035-12:40 p.m. Agroecology Now! 3 —**Innovation and Knowledge (Sponsored by Geographies of Food and Agriculture Specialty Group, Rural Geography Specialty Group)**

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Colin Anderson, Centre for Agroecology, Water and Resilience at Coventry University; Michael Jahi Chappell, Coventry University; Jessica Milgroom

CHAIR: Colin Anderson, Centre for Agroecology, Water and Resilience at Coventry University

12:40 Colin Anderson*, Centre for Agroecology, Water and Resilience at Coventry University; People's Knowledge Collective, www.peoplesknowledge.org; *The D to Ds of Deepening Agricultural Knowledge for Just and Sustainable Food Systems: From Discipline to Democratising to Decoloniality*

1:00 Maywa Montenegro*, Human Ecology, UC Davis; *CRISPR-ing Agriculture: producing science, seeds, and pathways of development*

1:20 Clemens Driessen*, Wageningen University; Lenora Ditzler, Wageningen University; *Automating agroecology? – towards a design manifesto for ecofeminist robotics*

1:40 Thelma Velez*, The Ohio State University; *Toward Agroecological Transformation: Understanding Political Opportunities and Social Movements Puerto Rico*

2:00 Rachel Bezner Kerr*, Cornell University; *Decolonizing and Feminist Agroecology: The Politics of Agroecology Transitions*

Wednesday-036-12:40 p.m. Situated modes of land grabbing in Latin America: everyday dispossessions II (Sponsored by Latin America Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Natalia Perez, Simon Fraser University; Fernanda Rojas Marchini, University of British Columbia

CHAIR: Natalia Perez, Simon Fraser University

12:40 Natalia Perez*, Mrs, Simon Fraser University; *Property's relationality in the Colombian Land Restitution Policy*

1:00 Max Counter*, *Land grabbing at the legal crux: Forced displacement and land restitution in Colombia*

1:20 Luis Sanchez-Ayala*, Universidad de los Andes; *Conservation and people's livelihoods in Colombia*

1:40 Fernanda Rojas Marchini*, University of British Columbia; *Renderings of investible land for biodiversity conservation: the case of Chilean rainforests*

2:00 Discussant(s): Diana Ojeda, Ms, Universidad Javeriana

Wednesday-037-12:40 p.m. Analyzing Land Change and Its Impacts

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Yi-Chen Wang, National University of Singapore

CHAIR: Yi-Chen Wang, National University of Singapore

12:40 Ariel Weaver*, University of Louisville; *A Remote Sensing Perspective: Classifying the Human Footprint in the Zambezi Region Using Random Forest and Object-Based Classification Methods*

1:00 Jie Dai*, San Diego State University/University of California, Santa Barbara; Dar Roberts, University of California, Santa Barbara; Douglas Stow, San Diego State University; *Agricultural expansion, urbanization and community forestry: Forty years of land cover change in the Chitwan District, Nepal*

1:20 Yachen Xie*, Michigan State University; Jiaguo Qi, Michigan State University; *Analyzing the Impact of Dam construction in Lower Mekong River Basin (LMRB)*

1:40 Israt Jahan*, University of Delaware; Tracy DeLiberty, University of Delaware; *Urban heat island development and changes in three large cities of Bangladesh*

2:00 Chun-Wei Huang*, National Taiwan University, Department of Geography; Hui-Xian Lau, National Taiwan University, Department of Geography; *Global analysis for recognizing the relationships between urban biodiversity and urban landscape patterns*

Wednesday-038-12:40 p.m. The City as Power: Urban Space, Place, and National Identity (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Joshua Hagen, Northern State University

CHAIR: Joshua Hagen, Northern State University

12:40 Joshua Hagen*, Dean, Northern State University; *Urban Space, Place, and Architecture in Shaping National Identity and Belonging*

1:00 Garth Myers*, Trinity College; *Political Geography, Urban Development and National Identity in Tanzania*

1:20 Kara Dempsey*, Appalachian State University; *A Selective Place for the Nation: Employment of Urban Commemorative Space in Dublin*

1:40 Brian Godfrey*, Vassar College; *Rebranding Rio: Memory, Place, and Race in "Little Africa"*

2:00 Orhon Myadar*, Assistant Professor, University of Arizona, School of Geography and Development; Ronald Davidson, Department of Geography and Environmental Studies, California State University, Northridge; *Geopolitics of memory: Remembering the "Comfort Women"*

Wednesday-041-12:40 p.m. Local Lessons, Global Solutions in the Urban Health-Geography Nexus

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Yonette Thomas, American Association of Geographers

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

CHAIR: Yonette Thomas, American Association of Geographers

Panelist(s): Nanlesta Pilgrim, Population Council; Gina Lovasi, Drexel University; Lucy Mize, USAID Asia Bureau; Nilesh Kalyanaraman, Health Care for the Homeless

Wednesday-049-12:40 p.m. Conservation of Mountain Landscapes: A Confluence of Political Ecology, Ecological Justice, Knowledge Bases and Geotechnologies (Sponsored by Mountain Geography Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Dawna Cerney, Youngstown State University

CHAIR: Dawna Cerney, Youngstown State University

12:40 Narayan Prasad Bhusal*, Tribhuvan University; *Community Participation for Conserving Biological Diversity in Protected Areas of Nepal*

1:00 Katie Wade*, California State University, Long Beach; *Indigenous Women's Ways of Knowing and Ecological Sustainability in Yosemite Valley*

1:20 Magdalena Garcia*, Universite De Montreal; *Territorialization strategies and the historical expansion of protected areas in Chile*

1:40 Keith Bosak*, The University of Montana; Elena Louder, University of Montana; *What the Gringos Brought: Local perspectives on a private protected area in Chilean Patagonia*

2:00 Bridget Kinsley*, University of Northern British Columbia; Zoë Meletis*, University of Northern British Columbia; *Searching for grizzlies in the media forest—Seeking evidence of changing grizzly hunt-related values in British Columbia*

Wednesday-050-12:40 p.m. A New PhD Program for New Mexico (Sponsored by Geography Education Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Maria Lane, University of New Mexico

CHAIR: Maria Lane, University of New Mexico

Introduction(s): Maria Lane, Associate Professor, University of New Mexico

Panelist(s): Michaela Buenemann, New Mexico State University; Benjamin Warner, Dr., University of New Mexico; Eric Magrane, New Mexico State University; Yan Lin, Assistant Professor, University of New Mexico

Discussant(s): Michael DeMers, Professor, New Mexico State University

Wednesday-051-12:40 p.m. 'The Other Mining': Rural Communities, Autonomy and Data Production (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Tad Mutersbaugh, University of Kentucky

CHAIR: Joseph Bryan, Department of Geography, University of Colorado, Boulder

12:40 Joseph Bryan*, Department of Geography, University of Colorado, Boulder; *The Agrarian Question Goes Digital: Data Mining and Commons in Oaxaca, Mexico*

1:00 Garrett Graddy-Lovelace*, Assistant Professor, American University School of International Service; Veronica Limeberry*, American University; *Dialogue As Data As Dialogue: Emancipatory Methodologies for the Rural Over-studied and Under-served*

1:20 Tad Mutersbaugh*, University of Kentucky; *Gender and Data Production in a Coffee Farmers' Cooperative*

1:40 Sarah Lyon*, UNIVERSITY OF KENTUCKY; *Impact Investing: Creating Value through Debt and Data in Oaxaca, Mexico*

2:00 Holly Worthen*, Universidad Autonoma Benito Juarez de Oaxaca; *Developing women's land rights, mining women's data: land access and organic coffee production in Mexico*

Wednesday-052-12:40 p.m. Remote Sensing of Forests - LiDAR Applications (Sponsored by Remote Sensing Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): L. Monika Moskal, University of Washington; Colton Miller, College of the Environment, University of Washington; Jonathan Batchelor, College of the Environment, University of Washington

CHAIR: Jonathan Batchelor, College of the Environment, University of Washington

12:40 Ethan Shavers*, United States Geological Survey; Larry Stanislawski, United States Geological Survey; *Headwater stream and riparian zone mapping with UAV multi-sensor data*

1:00 PUI YAN CHAN*, The Chinese University of Hong Kong; Tung Fung, Chairman/Professor, The Chinese University of Hong Kong; Frankie K.K. Wong, Assistant Dean/Senior Lecturer, The Chinese University of Hong Kong; *Above-ground Biomass Quantification with use of airborne LiDAR in subtropical forest in Hong Kong*

1:20 Dameng Yin*, SUNY - Buffalo; Le Wang, SUNY - Buffalo; *Mangrove Growth Monitoring Using Multi-temporal UAV-LiDAR*

1:40 Romina King*, University of Guam; Maria Kottermair, University of Guam; *Using LiDAR, SAR, and multi-spectral imagery to monitor bamboo in Southern Guam*

2:00 Jonathan Batchelor*, PhD Student, College of the Environment, University of Washington; Monika Moskal, Associate Professor, College of the Environment, University of Washington; Guang Zheng, Associate Professor, International Institute for Earth System Science, Nanjing University; *Application of a micro-TLS system derive forest structure metrics*

Wednesday-053-12:40 p.m. Norbert P Psuty Student Paper Merit Award Competition I (Sponsored by Coastal and Marine Specialty Group)

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Jean Ellis, University of South Carolina

CHAIR: Jean Ellis, University of South Carolina

12:40 Introduction(s): Jean Ellis, University of South Carolina

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

12:50 Li-Chih Hsu*, University of Kentucky; *Inferring biogeomorphic dynamical regions of barrier island dune topographic state space based on data topology*

1:10 Michaela Garland*, *The Blue Economy: (In)Justice in the Urban Sea?*

1:30 Asif Ishtiaque*, School of Geographical Sciences & Urban Planning, Arizona State University; Hallie Eakin, School of Sustainability, Arizona State University; Netra Chhetri, School of Future of Innovation in Society, Arizona State University; *Multilevel Adaptation Governance in Bangladesh: Structure, Processes, Power Dynamics*

1:50 Brooke Mercaldi*, *Examining the Dynamics of the Connecticut Shoreline and their Implications for Coastal Zoning Management*

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Xiaolu Zhou; Kai Zhang; Weitian Tong

CHAIR: Lixin Li

12:40 Xueying Zhang, Dept. of Epidemiology, Human Genetics and Environmental Sciences, School of Public Health, The University of Texas Health Science Center at Houston; Yiyi Chu, Dept. of Biostatistics, School of Public Health, The University of Texas Health Science Center at Houston; Yuxuan Wang, Department of Earth and Atmospheric Sciences, University of Houston; Kai Zhang*, *Developing a high resolution spatiotemporal model for predicting PM2.5 concentrations in Texas*

1:00 Amy Mizen*, Swansea University; Richard Fry, Swansea University; Sarah Rodgers, Liverpool University; Benedict Wheeler, Exeter University; Rebecca Lovell, Exeter University; Ashley Akbari, Swansea University; Jiao Song, Swansea University; James White, Cardiff University; Gareth Stratton, Swansea University; Ronan Lyons, Swansea University; *Does a change in exposure to Green and Blue Spaces impacts on wellbeing and mental health?*

1:20 Bing-Si Ni*, National Taiwan Normal University; *Spatial-Temporal Hotspot Pattern Analysis of Sensor Grids for Industrial Area Air Pollution Monitoring*

1:40 Xiaolu Zhou*, Weitian Tong, Georgia Southern University; Lixin Li, Georgia Southern University; Kai Zhang, The University of Texas Health Science Center at Houston; *Spatiotemporal predictions of ground PM2.5 concentrations based on deep learning algorithm*

2:00 Daniel Kpienbaareh*, Western University; Iddisah Sulemana, University of Ghana; *Corruption and Air Pollution: A Comparative Study of African and OECD Countries*

Wednesday-056-12:40 p.m. Children and Health I: Fertility and Neonatal Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Jaclyn Hall, University of Florida

12:40 Madeleine Haynes*, Clark University - Worcester, MA; Yelena Ogneva-Himmelberger, Dr., Clark University; *Analyzing Trends and Patterns in Adverse Birth Outcomes in Massachusetts from 2000-2014*

1:00 Debasree Das Gupta*, Utah State University; *Modeling District-level Fertility Outcomes in India*

1:20 Eugene Ahwireng*, Western Michigan University; Kathleen M Baker, (PhD), Western Michigan University Department of Geography & Health Data Research Analysis & Mapping, MI 49008; Benjamin Ofori-Amoah, (PhD), Western Michigan University, Kalamazoo, MI 49008; *Examining the spatial distribution of low birth weight and relationship with socioeconomic status, housing types, and accessibility to healthcare in Kalamazoo County, Michigan*

1:40 Jaclyn Hall*, University of Florida; Hee Deok Cho, PhD, Department of Health Outcomes and Biomedical Informatics, College of Medicine, University of Florida; Mildred M. Maldonado-Molina, PhD, Department of Health Outcomes and Biomedical Informatics, College of Medicine, University of

Wednesday-054-12:40 p.m. Remote Sensing Applications in Sustainable Urban Science (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group, Urban Geography Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Pranab Roy Chowdhury, University of Tennessee;

Tilottama Ghosh, University of Colorado At Boulder

CHAIR: Tilottama Ghosh, University of Colorado At Boulder

12:40 Mariano Gonzalez Roglich*, Conservation International; Alex Ivan Zvoleff, Conservation International; Monica Noon, Conservation International; *Tracking progress towards the urban sustainability 2030 agenda: data, methods and patterns of change using Trends.Earth*

1:00 Richard Ross Shaker*, Ryerson University; Brian Mackay, Ryerson University; *The Distribution of Development in Asia and its Underlying Sustainable Urbanization Correlations*

1:20 Pranab Roy Chowdhury*, University of Tennessee; Christa M. Brelsford, Oak Ridge National Laboratory; Budhendra L. Bhaduri, Oak Ridge National Laboratory; *Interconnections between urbanization and electricity consumption in the United States*

1:40 Fennis J Reed*, CA Demographic Research Unit, DoF; *Dasymetric population estimation using group quarters, Microsoft building footprints, and the US National Grid*

2:00 Tilottama Ghosh*, CIRES, University of Colorado at Boulder; Earth Observation Group, NOAA, NCEI; Paul C. Sutton, Department of Geography & the Environment, University of Denver; Christopher D. Elvidge, Earth Observation Group, NOAA National Centers for Environmental Information, Boulder, CO; Kimberly Baugh, CIRES, University of Colorado at Boulder; Earth Observation Group, NOAA, NCEI; Mikhail Zhizhin, CIRES, University of Colorado at Boulder; Earth Observation Group, NOAA, NCEI; Feng-Chi Hsu, CIRES, University of Colorado at Boulder; Earth Observation Group, NOAA, NCEI; *Creating gridded Gross Domestic Product (GDP) map using VIIRS nighttime lights and building height data*

Wednesday-055-12:40 p.m. Spatiotemporal Analysis of Air Pollution and Public Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

Florida; Lindsay A. Thompson, MD, Department of Pediatrics, College of Medicine, University of Florida; Elizabeth A. Shenkman, PhD, Department of Health Outcomes and Biomedical Informatics, College of Medicine, University of Florida; Ramzi G. Salloum, PhD, Department of Health Outcomes and Biomedical Informatics, College of Medicine, University of Florida; *Poor Neonatal Health Outcomes and Increases in Corporate Tobacco Sales Policies by CVS and Dollar Store Chains*

Wednesday-057-12:40 p.m. Regional Comparative Urbanism (Sponsored by China Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Yanpeng Jiang, School of Geography, The University of Hong Kong; Renfeng MA, Ningbo University; Nalini Mohabir, Concordia University

CHAIR: Yanpeng Jiang, School of Geography, The University of Hong Kong

12:40 Xiaobin Zhao*, Department of Geography, The University of Hong Kong; David W.H. Wong, The University of Hong Kong; David W.S. Wong, Department of Geography and GeoInformation Science, George Mason University; *Ever-Transient FDI and Ever-Polarizing Regional Development: Revisiting Conventional Theories of Regional Development from China, Southeast and South Asia*

1:00 Nalini Mohabir*, Concordia University; Yanpeng Jiang, PhD, East China Normal University; *Urban Regeneration in Shenzhen*

1:20 Renfeng MA*, Institute of Human Geography and Urban-rural Planning, Department of Geography & Spatial Information Techniques, Ningbo University, Ningbo 315211, China; Simin DOU, Institute of Human Geography and Urban-rural Planning, Department of Geography & Spatial Information Techniques, Ningbo University, Ningbo 315211, China; *Production and consumption of urban education space-case study of Ningbo modern higher education park*

1:40 Yanpeng Jiang*, Dr, School of Geography, The University of Hong Kong; *Shanghai swings: The Hongqiao project and competitive urbanism in the Yangtze River Delta*

2:00 Discussant(s): Xiaobin Zhao, Prof., University of Hong Kong

2:10 Discussant(s): Nalini Mohabir, Assistant Professor, Concordia University

Wednesday-058-12:40 p.m. Integrative Modeling for Coupled Human and Natural Systems: Linking Models of Human Decision-making, Land Use, and Environmental Response (Sponsored by Energy and Environment Specialty Group, Spatial Analysis and Modeling Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Gabriel Granco, Stroud Water Research Center

CHAIR: Gabriel Granco, Stroud Water Research Center

12:40 Jeffrey Katan*, Université De Montreal; Liliana Perez, Ph.D., Université de Montreal; *An agent-based*

approach to modelling forest fire spread applied to northern Alberta

1:00 Sophie Plassin*, University of Oklahoma; Jennifer Koch, University of Oklahoma; Kellie B. Vaché, Oregon State University; Stephanie Paladino, MeroLek Anthropology; Jack R. Friedman, University of Oklahoma; *Coupling multi-agent, land-use, and hydrologic models for assessing surface water resources dynamics in a large river basin. A case study in the Rio Grande/Bravo basin*

1:20 Tasnuva Shabnam Udit*, Texas State University- San Marcos; Kimberly Meitzen, Assistant professor, Texas State University- San Marcos; *Applying Multi-criteria Evaluation Process in Predicting Stream Conditions of the Upper Guadalupe River, Central Texas*

1:40 Gabriel Granco*, Ph.D., Department of Geography - Kansas State University; Marcellus Caldas, Ph.D., Department of Geography - Kansas State University; Jessica Heier Stamm, Ph.D., Department of Industrial and Manufacturing Systems Engineering - Kansas State University; Jason Bergtold, Ph.D., Department of Agricultural Economics - Kansas State University; Matthew Sanderson, Ph.D., Department of Sociology, Anthropology, and Social Work - Kansas State University; Melinda Daniels, Ph.D., Stroud Water Research Center; *Advancing Freshwater Sustainability in an Agricultural Landscape: the coupling of climate, culture, crop production, and environmental responses*

2:00 Zhangcai Qin*, *The potential of climate change mitigation in agricultural systems*

Wednesday-065-12:40 p.m. Digital Technology, Tourism and Geographies of Inequality (Sponsored by Recreation, Tourism, and Sport Specialty Group, Digital Geographies Specialty Group, Media and Communication Geography Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Julia Giddy, University of Johannesburg; Fabian Frenzel, University of Leicester; Ko Koens, Breda University of Applied Sciences

CHAIR: Fabian Frenzel, University of Leicester

12:40 Julia Giddy*, Dr, University of Johannesburg; *Uber, employment and social justice: The South African experience*

1:00 Julie Wilson*, Dr, Faculty of Economics and Business Studies, Universitat Oberta de Catalunya / Open University of Catalonia; Soledad Morales*, Dr, Faculty of Economics and Business Studies, Universitat Oberta de Catalunya / Open University of Catalonia; Lluís Garay Tamajón, Dr, Faculty of Economics and Business Studies, Universitat Oberta de Catalunya / Open University of Catalonia; *Digitally networked activism and the geographies of resistance in contested tourism spaces: Understanding the role of online collaborative tourism platforms*

1:14 Discussant(s): Soledad Morales

1:15 Antonello Romano*, *Platform geographies: socio-spatial inequalities in increasingly digitally-mediated urban ecosystem*

1:30 Sean Grisdale*, University of Toronto; *Short-term Rental Platforms and the Emergence of the "Entrepreneurial Landlord": Findings from Toronto*

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

1:45 Deborah Che*, Southern Cross University; Rodney W Caldicott, Khon Kaen University; Sabine Muschter, Southern Cross University; Tania von der Heide, Southern Cross University; *Airbnb: the unsung "B-side" of the digital technologies playlist disrupting Byron Bay, Australia*

2:00 Discussant(s): Jennie Germann Molz, Associate Professor, College of the Holy Cross

1:40 Christa Brelsford*, Ph.D., Oak Ridge National Laboratory; Rudy Arthur, Ph.D., University of Exeter; Hywel Williams, Ph.D., University of Exeter; *Urban Boundary Detection from Digital Trace Data*

2:00 Meixu Chen*, University of Liverpool; Dani Arribas-Bel, University of Liverpool; Alex Singleton, University of Liverpool; *Exploring the composition of Urban Area of Interests through deep learning*

Wednesday-066-12:40 p.m. Public Transit: Social and Economic Opportunities and Consequences I (Sponsored by Transportation Geography Specialty Group, Urban Geography Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte; Isabelle Nilsson, University of North Carolina - Charlotte - Charlotte, NC

CHAIR: Isabelle Nilsson, University of North Carolina - Charlotte - Charlotte, NC

12:40 Rafael Pereira*, University of Oxford; *Future accessibility impacts of transport policy scenarios: equity and sensitivity to travel time thresholds*

1:00 Andrew Goetz*, University of Denver; *The Effects of Transit-Oriented Development (TOD) in Denver, Colorado*

1:20 Maryam Khabazi*, University of North Carolina - Charlotte; Isabelle Nilsson, University of North Carolina at Charlotte; *Light Rail Investment and Its Impact on Commuting Patterns*

1:40 David Lopez Garcia*, The New School; *Access to public transport and inequality of urban transaction costs in Mexico City: The case of subway Line A*

2:00 Dong Liu*, University of Illinois; *Does Transit Fare Impact Spatial Mismatch? A Case Study of Chicago Metropolitan Area*

Wednesday-067-12:40 p.m. Urban Data Science II: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Levi Wolf, University of Bristol; Wei Kang, University of California - Riverside; Taylor Oshan, Arizona State University

CHAIR: Taylor Oshan, Arizona State University

12:40 Levi Wolf*, Lecturer in Quantitative Human Geography, University of Bristol; Sean Fox, University of Bristol; *Sensing AURAs: Defining Apparent Urban Areas in Developing Countries*

1:00 Grant McKenzie, Department of Geography, McGill University; Zheng Liu*, Department of Geographical Sciences, University of Maryland, College Park; Yingjie Hu, Department of Geography, University at Buffalo; Myeong Lee, College of Information Studies, University of Maryland, College Park; *Identifying Urban Neighborhood Names through User-Contributed Online Property Listings*

1:20 Melanie Green*, University of Liverpool; Dani Arribas-Bel, University of Liverpool; *Comparing socioeconomic characteristics and the built environment using high resolution aerial imagery*

Wednesday-069-12:40 p.m. Working Abroad: International Career Opportunities for Geographers (Sponsored by Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Mark Revell, American Association of Geographers

Panelist(s): Levi Wolf, Lecturer in Quantitative Human Geography, University of Bristol; Alanna Higgins, West Virginia University; Rajiv Thakur, Associate Professor, Missouri State University; Anya Butt, Professor, Central College; Mario Mighty, Dr., University of North Alabama; Allison Brown, Ms

Discussant(s): Britta Ricker, Assistant Professor, University of Twente

Wednesday-070-12:40 p.m. Do Human Geographers Need Computational Thinking Skills? (Sponsored by Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Workshop)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Coline Dony

CHAIR: Coline Dony

12:40 Discussant(s): Coline Dony

Wednesday-072-12:40 p.m. Hurricanes I: Climatology/ Meteorology

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR: Jill Trepanier, Louisiana State University

12:40 Guoqian Yan*, University of Florida; Corene Matyas, University of Florida; *Comparison of Tropical Cyclone Rainfall in Multi-Source Weighted-Ensemble Precipitation (MSWEP) and Tropical Rainfall Measuring Mission (TRMM) Datasets for Atlantic Basin*

1:00 Jill Trepanier*, Louisiana State University; Clay S. Tucker, M.S., Louisiana State University; *Event-Based Climatology of Tropical Cyclone Rainfall in Houston, Texas and Miami, Florida*

1:20 Yao Zhou*, University of Central Florida; Corene Matyas, University of Florida; *Tracking the shape change of tropical cyclone precipitation in gridded observational data*

1:40 Kelsey Ellis*, University of Tennessee; Jill T Trepanier, Louisiana State University; Alyssa M Cannistraci, University of Tennessee; Alisa L Hass, University of Tennessee; Daniel Burow, University of Tennessee; Dierdre C Smith, Louisiana State University; *Comparison of individual tropical cyclone characteristics from the 2018 hurricane season to the local climatology*

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

Wednesday-073-12:40 p.m. Author Meets Critics: Beth Rose Middleton Manning's "Upstream: Trust Lands and Power on the Feather River" (Sponsored by Indigenous Peoples Specialty Group, Water Resources Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Sibyl Diver, Stanford University

CHAIR: Mark Palmer, University of Missouri-Columbia

Panelist(s): Beth Rose Middleton Manning, Assoc. Professor, UC Davis; Sibyl Diver, Research Scientist, Stanford University; Marvena Harris, Susanville Indian Rancheria; Chantelle Richmond, The University of Western Ontario

Wednesday-074-12:40 p.m. Interdisciplinary Environmental Research: Reconciling Disparate Geographic and Temporal Scales of Data Part I. Reading Seminar

Room: Stones Throw 3, Marriott, Mezzanine Level (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Rebecca Lave, Indiana University; John Baeten, Indiana University; Lisa Kelley, University of Hawaii - Manoa

CHAIR: John Baeten, Indiana University

Introduction(s): Lisa Kelley, University of Hawaii - Manoa

Panelist(s): Rebecca Lave, Associate Professor, Indiana University

Discussant(s): John Baeten, Indiana University; Heidi Hausermann, Assistant Professor, Colorado State University; Robert Wilson, Associate Professor, Syracuse University; Rinku Roy Chowdhury, Associate Professor, Clark University

Wednesday-081-12:40 p.m. Economic Geography III - Diversity, Entrepreneurship, Institutions & Regional Economic Development (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Peter Kedron, Oklahoma State University

12:40 Sharmistha Bagchi-Sen*, SUNY-Buffalo; Helen Lawton Smith*, Birkbeck University of London; Laurel Edmunds, Medical Sciences Divisions, Oxford University; *Entrepreneurial variety in Oxfordshire: theoretical and policy challenges*

1:00 Qiantao Zhang*, University of Toronto; Shiri M Breznitz, University of Toronto; *Determinants of graduates' entrepreneurial activity: New survey evidence from university alumni*

1:20 Silje Haus-Reve*, Center for Innovation Research, UiS Business School University of Stavanger; *Understanding the Regional Drivers of Productivity Benefits from Immigrant Diversity*

1:40 Maria Salomaa*, University of Lincoln; *Rural Universities and Entrepreneurial Architecture: Case Lincoln (UK)*

2:00 Regina Lenz*, Heidelberg University; Johannes Glückler, Heidelberg University; *Analyzing change through crisis: Legitimizing new practices in the context of family firm succession*

Wednesday-082-12:40 p.m. Climate, Economy, Justice (Sponsored by Economic Geography Specialty Group)

Room: Directors Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Virginia Parks, University of California at Irvine; Mijin Cha, Occidental College

CHAIR: Mijin Cha, Occidental College

12:40 Mijin Cha*, Occidental College; *A Just Transition: The role of the labor movement in the climate crisis*

1:00 Virginia Parks*, University of California at Irvine; Mijin Cha, Occidental College; *The De-Carbonization of America: Regional Shifts and Rising Inequality in the Green Economy*

1:20 Discussant(s): Virginia Parks, Professor, University of California at Irvine

1:40 Carlo Sica*, Syracuse University; *Fanning the flame: challenges to mitigating climate change for a capitalist state*

2:00 Anjali Sharma*, University of Maryland, College Park; *Labor Impacts of Clean Energy Transitions in India*

Wednesday-083-12:40 p.m. After the Map was Made and the Drone was Flown: Implications of Geospatial Data for Environmental Governance (Sponsored by Applied Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Panel)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Teresa Bornschlegel, PUCP

CHAIR:

Panelist(s): Robert Vos, University of Southern California; ALEXANDRA LAMINA; Kirk Jalbert, Arizona State University; Sarah Kelly, Research Center for Integrated Disaster Risk Management

Discussant(s): Alex Orenstein, Action Against Hunger

Wednesday-084-12:40 p.m. Theorizing the Just City in the Era of Climate Change (1) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Urban Geography Specialty Group)

Room: Executive Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Jennifer Rice, University of Georgia; Joshua Long, Southwestern University; Anthony Levenda, Arizona State University

CHAIR: Jennifer Rice, University of Georgia

12:40 Jennifer L Rice*, University of Georgia; Joshua Long*, Southwestern University; Anthony M Levenda, Arizona State University; *Theorizing the Just City in the Era of Climate Change*

12:50 SIMON MARVIN*, University of Sheffield; *Climateculture: Atmospheric encapsulation, artificial nature and modulating the 'outdoors'*

1:05 Andres Luque-Ayala*, Durham University, UK; Laura Tozer, Durham University, UK; *Securitizing the city through nature: enrolling life in responding to urban uncertainty*

1:20 Allain Barnett*, Florida International University; Kevin Grove, Florida International University; Rinku Roy Chowdhury, Clark University; *Defining Resilience*

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

in Miami-Dade County: Social, Ecological, and Technological Visions of Resilience to Sea Level Rise and Extreme Events

1:35 Gordon Walker*, LANCASTER UNIVERSITY; *Rhythm, energy and the socially just low-carbon city*

1:50 Vanesa Castan Broto*, Linda Westman, University of Sheffield; *How Messy Governmentalities Are Embedded in the Urban Politics of Climate Change*

Wednesday-086-12:40 p.m. Picturing Power 3: Innovative Visual Methods in Critical Geography (Sponsored by Cultural Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Melody Lynch, University of Melbourne; Noelani Eidse, McGill University

CHAIR: Noelani Eidse, McGill University

12:40 Melody Lynch*, University of Melbourne; Noelani Eidse, McGill University; *Envisioning alternate futures: Photovoice as a mode of shadow citizenship in Vietnam and Indonesia*

12:58 Pablo Bose*, University of Vermont; *Imagining home, picturing community: newcomer perspectives on immigration and the city*

1:16 Emily Kaufman*, University of Kentucky; *Ethics and Strategies in Children's Participatory Mapping of Space and Time*

1:34 Hamed Goharipour*, Kansas State University; *Toward Urban Cinesemiotics: Context, Urban Theory and the Dynamism of an Image-sign*

1:52 James Baker*, University Of Nebraska - Lincoln; Kelly A Clancy, PhD, Nebraska Wesleyan University; *From Left to Right: A Visual Ethnographic Reading of Social Movements and the Right to the City in Thessaloniki, Greece: May 14-19, 2018.*

2:10 **Discussant(s):** Innisfree Mckinnon, University of Wisconsin-Stout

Wednesday-087-12:40 p.m. What do Human Rights Do? Towards Critical Geographies of Human Rights: Session 1 (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Joel Correia, University of Florida; Nicole Laliberte, University of Toronto - Mississauga; Jean Carmalt, CUNY - Graduate Center

CHAIR: Joel Correia, University of Florida

12:40 Leila Harris*, University of British Columbia; *Critical Perspectives on the Human Right to Water: Progressive realization, ongoing inequities, and everyday engagements in South Africa and Ghana*

1:00 Morten Andersen*, Danish Institute Against Torture; *Geographies of Human Rights Practices*

1:20 Catherine Corson*, Mount Holyoke College; *From Paper to Practice? A Rights-Based Conservation Approach*

1:40 Nicole Laliberte*, University of Toronto - Mississauga; *Teaching Critical Human Rights: Navigating Geographies of Difference*

Wednesday-088-12:40 p.m. Genes, Crops, and Waste: Scales of "Scientific Progress"

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Darius Scott, University of North Carolina at Chapel Hill

CHAIR: Darius Scott, University of North Carolina at Chapel Hill

12:40 **Introduction(s):** Darius Scott, University of North Carolina at Chapel Hill

12:50 Katrina McClure*, Univ. of KS; *Understanding Geographies of Responsibility in (Re)working the Landscape*

1:10 Donnise Hurley*, CUNY Graduate Center; *Genetics, Identity, and Geo-racial Essentialism*

1:30 Kelly Haggerty*, *The Garbage that We Eat: Metabolizing Food-Waste in New Orleans, LA*

1:50 Martijn Burger*, Erasmus University Rotterdam; *The Unhappiness of Megacities*

Wednesday-089-12:40 p.m. 3. Population Specialty Group: Population and housing transitions (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

12:40 Michael Hilbig*, *Unwanted secondary actions of a beneficial paradigm: turmoil in place of demographic dividend?*

1:00 Bernhard Koeppen*, Universitaet Koblenz-Landau; Marc Anton Luy, Vienna Institute of Demography of the Austrian Academy of Sciences; *"Express Transitioning" as Special Case of the Demographic Transition: New Insights into the Central Process of Global Population Development*

1:20 Yanwei Chai*, Peking University; Yan Zhang, Institute of Beijing Studies, Beijing Union University, Beijing 100101, China; Yiming Tan, School of Geography and Planning, Sun Yat-Sen University, Guangzhou, 510275, China; *The time-geographic approach in research on Urban China's Transition*

1:40 Bryan Booth*, *The Failed Geography of Homelessness*

2:00 Jakob Schneider*, The Graduate Center, CUNY; *Assembling Post-Crisis Homeownership, or When Homeownership Fails? More Homeownership*

Wednesday-090-12:40 p.m. Trees in the City 3: Urban forestry governance, policies and program impacts (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR: Shawn Landry, University of South Florida

12:40 Tenley Conway*, University of Toronto; *Do Trees Count? Residents' Understanding and Interest in Living Green Infrastructure*

WEDNESDAY, April 3 • 12:40 PM - 2:20 PM

1:00 Nicholas Geron*, *Planting a Neighborhood: How building social networks to support tree planting can increase tree survivorship and vigor in the Massachusetts Greening the Gateway Cities Program*

1:20 Theodore Eisenman*, University of Massachusetts - Amherst; Madison Kremer, University of Massachusetts, Amherst; Ben Breger, University of Massachusetts, Amherst; Lara Roman, U.S. Forest Service; *Urban tree survival and stewardship in a state-managed planting initiative*

1:40 Amber Grant*, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, PhD, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Sara Edge, PhD, Geography & Environmental Studies, Ryerson University; *Environmental justice, equity goals, and implementation strategies in urban forest management: A case study of San Francisco, USA*

2:00 Cecil Konijnendijk*, University of British Columbia, Faculty of Forestry; Lorian Nesbitt, University of British Columbia, Faculty of Forestry; Zach Wirtz, University of British Columbia, Faculty of Forestry; *Urban forest governance in Canadian cities - models for success and handling calamities*

Wednesday-091-12:40 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Time-Geography - Understanding the Digital Society III

Room: Congressional B, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Kajsa Ellegård, Linköping University; Åsa Westermark, Jönköping University

CHAIR: Kajsa Ellegård, Linköping University

12:40 Zifeng Chen*, The University of Hong Kong; Anthony G.O. Yeh, The University of Hong Kong; *Diverse Effects of Improved Individual Accessibility on Activity-travel Behavior in Suburban China: A Case of Guangzhou*

1:00 Jinhyung Lee*, The Ohio State University; Harvey J. Miller, The Ohio State University; *Analyzing collective accessibility using average space-time prisms*

1:20 Greg Rybarczyk*, University of Michigan-Flint; *Does cycling stress you out? Examining cyclist comfort using real-time data, empirical analysis, and GIS*

1:40 Young Jaegal*, The Ohio State University; Harvey J. Miller, The Ohio State University; *Measuring the semantic similarity of network-time prisms using temporal signatures*

2:00 Kajsa Ellegård*, Professor, Linköping University; *Time-space trajectories of materials in the digital society*

Wednesday-092-12:40 p.m. Algorithms and Climate Change: Knowing, Acting, Governing 2 (Sponsored by Digital Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Climate Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Ruth Machen, Newcastle University; Eric Nost, University of Guelph

CHAIR: Ruth Machen, Newcastle University

12:40 Dylan M Harris*, Clark University; *The Trouble with Modeling the Human into the Future Climate*

12:55 Jude Ntabathia*, *Invisible Labor in Weather and Climate Infrastructures by Citizen Weather Observers*

1:10 J. Michael Athay*, Ph.D. Student, Clark University; *Conceptions of Climate Change: Conversations with U.S. Conservatives*

1:25 Kristy Myles*, University of Calgary; Gwendolyn Blue, University of Calgary; *Developing biotechnologies as an anticipatory response to challenges posed by climate change: Whose knowledge counts?*

1:40 Discussant(s): Karen Bakker, University of British Columbia

Wednesday-093-12:40 p.m. Lacanian Landscapes III: The Urban Unconscious (Sponsored by Landscape Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): Lucas Pohl; Paul Kingsbury, Simon Fraser University; Sarah Moore, University of Wisconsin - Madison

CHAIR: Paul Kingsbury, Simon Fraser University

12:40 JAEYEON LEE*, UNIVERSITY OF KENTUCKY; *Hipster-driven gentrification as metonymic movement of desire*

1:00 Tina Richardson*, Manchester Metropolitan University, UK; *The Rael/Real of Psychogeography: Urban walking as a method of ameliorating castration anxiety in Genesis' The Lamb Lies Down on Broadway*

1:20 Nazanin Naraghi*, College of the Canyons; *Shame and Anxiety Gentrification, Unconscious Expressions, and 'Lacanian Landscapes' in Los Angeles, CA*

1:40 Discussant(s): Paul Kingsbury, Professor, Simon Fraser University

Wednesday-094-12:40 p.m. Floating Life 1 ~ Flow (Sponsored by Cultural Geography Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 12:40 p.m. - 2:20 p.m.

ORGANIZER(S): David Bissell, University of Melbourne; Elizabeth Straughan, University of Melbourne

CHAIR: Elizabeth Straughan, University of Melbourne

12:40 Marian Aguiar*, *Adrift: Movements of the Maritime Migrant*

1:00 Silvia Marcu*, Instituto de Economía, Geografía y Demografía; Consejo Superior de Investigaciones Científicas (CSIC) Madrid; Spain; *Almost Paradise: Floating Mobility and Sense of Place Among Romanian Immigrants in the Canary Islands (Spain)*

1:20 Alanna Kamp*, Western Sydney University; *A Place of One's Own: An investigation of historical family photography as a means to challenge migrant liminality*

1:40 Nicholas Scott*, Simon Fraser University; *Floating beyond experience: quiescence, reverie and everyday cycling*

2:00 Ole B. Jensen*, Department of Architecture, Design & Media Technology, Aalborg University; Michael Martin, Department of Architecture, Design & Media Technology, Aalborg University; Markus Löchtefeld, Department of Architecture, Design & Media Technology, Aalborg University; *Pedestrianism as Floating Life - How moving by foot in the city may become important again*

WEDNESDAY, April 3 | 12:15 PM - 1:00 PM

Wednesday-099-12:40 p.m. AAG Council Open Forum

Room: Hampton Room, Omni, East (Meeting)

Time: 12:15 p.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

WEDNESDAY, April 3 | 2:35 PM - 4:15 PM

Wednesday-001-2:35 p.m. Social Media and Big Data II (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Jaehae Park, San Diego State University; Ming-Hsiang Tsou, San Diego State University; Atsushi Nara, San Diego State University

CHAIR: Ming-Hsiang Tsou, San Diego State University

2:35 Lei Zou*, Texas A&M University; Nina Lam, Louisiana State University; Heng Cai, Louisiana State University; *Sensing and Improving Disaster Resilience through Social Media Data Mining*

2:55 Hoeyun Kwon*, University of Iowa; Caglar Koylu, University of Iowa; *Empirical evaluation of parameters and models for extracting topics from short text and geotagged social media data*

3:15 Ruowei Liu*, University of Georgia; Xiaobai Yao, University of Georgia; *Forecasting Presidential Election Results – An Integrative Modeling Approach*

3:35 LI ZHOU*, Beijing Normal University; LIN LU, Anhui Normal University; DIANTING WU, Beijing Normal University; *Spatio-temporal differentiation impacts on hotel prices during the Canton Fair*

3:55 Jaehae Park*, San Diego State University; *Building a Spatial Social Network of Public Discourse in Social Media (Twitter)*

2:55 OZGUN TOPAK*, *The Challenge to Biopolitical Borders? Humanitarian and Human Rights Surveillance*

3:15 Alexandra Rijke*, Wageningen University and Research; *Checkpoints as spatial political technologies in the Occupied Palestinian Territories*

3:35 Mert Peksen*, CUNY - Graduate Center; *Displacing the border in Turkey: New strategies, new spaces, and new actors*

3:55 Yasmin Khan*, University of Toronto; *How do the bordering and containment measures shaping the protracted refugee situation of the Rohingya in Cox's Bazar, Bangladesh impact the host community and what are the gendered outcomes?*

Wednesday-008-2:35 p.m. GeoAI and Deep Learning Symposium: Deep Learning for Landcover Mapping and Object Detection using Remote Sensing Imagery II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Tao Liu, Oak Ridge National Laboratory

CHAIR: Tao Liu, Oak Ridge National Laboratory

2:35 Jacob Arndt*, Oak Ridge National Laboratory; Jeanette Weaver, Oak Ridge National Laboratory; Dalton Lunga, Oak Ridge National Laboratory; St Thomas LeDoux, Oak Ridge National Laboratory; Sarah Tennille, Oak Ridge National Laboratory; *Characterizing and Classifying Urban Land-use in Satellite Images*

2:55 Jian Liang*, School of Resource and Environment Sciences, Wuhan University, 129 Luoyu Road, Wuhan 430079, China; Lin Li, School of Resource and Environment Sciences, Wuhan University, 129 Luoyu Road, Wuhan 430079, China; Haihong Zhu, School of Resource and Environment Sciences, Wuhan University, 129 Luoyu Road, Wuhan 430079, China; *An Improved CNN for Extracting Buildings from High-Resolution Imagery*

3:15 Congliang Zhou*, Texas Tech University; Guofeng Cao, Texas Tech University; *An Unsupervised Deep Learning Approach for Remote Sensing Imagery Downscaling*

3:35 Enbo Zhou*, Department of Geography, University of California, Santa Barbara; Vena W. Chu, Department of Geography, University of California, Santa Barbara; Samira Daneshgar, Department of Geography, University of California, Santa Barbara; Kang Yang, School of Geography and Ocean Science, Nanjing University; *A Deep Learning Method for Extracting Supraglacial Streams on Greenland Ice Sheet*

Wednesday-003-2:35 p.m. Geoforum annual lecture

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Sarah Hall, University of Nottingham

CHAIR: Sarah Hall, University of Nottingham

Discussant(s): Beverley Mullings, Dr., Queen's University; Max Andrucki, Adjunct Assistant Professor, Temple University; Joaquin Villanueva, Dr., Gustavus Adolphus College; Michelle Buckley, University of Toronto

Wednesday-007-2:35 p.m. Camps, Checkpoints and Border Fortifications: Critical Geographies of Containment, (Im)Mobility and Security I (Sponsored by Political Geography Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Alexandra Rijke, Wageningen University and Research; Yolanda Weima, York University; Hanno Brankamp, University of Oxford

CHAIR: Hanno Brankamp, University of Oxford

2:35 Discussant(s): Reece Jones, University of Hawaii at Manoa

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

3:55 Gourav Jhanwar*, Purdue University; David Ebert, Silicon Valley Professor of ECE, Purdue University; Calvin Yau, Purdue University; Kirubel Tadesse, Purdue University; Karimzadeh Morteza, Purdue University; *Irrigation Management Using Deep Learning of Soil Moisture*

Wednesday-009-2:35 p.m. Blue Collar Scholarship 2 (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Latinx Geographies Specialty Group, Harassment-Free AAG Initiative)

Room: Virginia C, Marriott, Lobby Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Lorraine Dowler, Penn State University; Richard Schroeder, Rutgers University

CHAIR: Lorraine Dowler, Penn State University

Panelist(s): Richard Schroeder, Professor and Chair, Rutgers University; John Lauerma, City University of New York; Jennifer Baka, Assistant Professor, Pennsylvania State University; Teresa Bornschlegl, PUCP

Discussant(s): LaToya Eaves, Middle Tennessee State University

Wednesday-012-2:35 p.m. The Entrepreneurial Turn in Late Capitalism? Meanings, Practices, and Spaces (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Feras Klenk, University of Arizona; Jose Antonio Cabrera Pereyra, University of Arizona

CHAIR: Jose Antonio Cabrera Pereyra, University of Arizona

2:35 Jose Antonio Cabrera Pereyra*, University of Arizona; *The entrepreneurial ecosystem: a network-based approach to inner capital transformation*

2:55 Feras Klenk*, University of Arizona; *Precairety as Freedom? Entrepreneurship and Social Change in Oman*

3:15 Mia Bennett*, *Tracing Development from the Frontier: The Rise of Alaska Native Corporations in Government Contracting*

3:35 Julian Hartman*, University of Arizona - Geography & Development; *Entrepreneurship & Venture Capital around Route 128*

3:55 Discussant(s): Elisa Pascucci, University of Helsinki

Wednesday-031-2:35 p.m. Indigenous Mapping: Contemporary Debates, Methodologies, and Outcomes (Sponsored by Indigenous Peoples Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Sibyl Diver, Stanford University

CHAIR: Renee Louis, Institute of Policy and Social Research

Panelist(s): Renee Louis, Associate Researcher, Institute of Policy and Social Research; Sebastien Caquard, Dr., Concordia University; Moka Apiti, Mr, Digital Navigators Ltd; Mark Palmer, Assistant Professor, University of Missouri-Columbia

Wednesday-032-2:35 p.m. Cognition, Behavior and Design 2 (Sponsored by Cartography Specialty Group, Digital Geographies Specialty Group, Geography Education Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Jeff Howarth, Middlebury College; Carolyn Fish, University of Oregon

CHAIR: Jeff Howarth, Middlebury College

2:35 Megan Brittell*, University of Oregon; *Sound, maps, and the brain*

2:55 Anthony C Robinson*, The Pennsylvania State University; *Viral Cartography: Design, Dissemination, and Disinformation*

3:15 Carolyn Fish*, University of Oregon; Cary Anderson, Penn State; *Vivid maps of climate change: Do they make a difference?*

3:35 Amber Bosse*, Ph.D. Candidate, University of Kentucky; *"If I make the changes they asked for, it'll become ugly and ineffective": Negotiations of design in participatory mapping*

Wednesday-033-2:35 p.m. Indigenous People and Environments (Sponsored by Indigenous Peoples Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Chantelle Richmond, The University of Western Ontario

CHAIR: Katie Big-Canoe, Western University

2:35 Jean B Faye*, Centre College; *Indigenous Agroecosystems in Senegal*

2:55 Wei-Cheng Lin*, Graduate School of Disaster Management, Central Police University, Taiwan; Pei-Shan Sonia Lin, Graduate School of Disaster Management, Central Police University, Taiwan; *Social Resilience Perspective of "Build Back Better" on the Culture and Livelihoods of the Pofitonga Veoveo Tribe in Post-Typhoon Morakot Taiwan*

3:15 Elena Golosova*, University of Northern Iowa; *The Reflection of the Sand Creek Massacre in the Public Conscience*

3:35 Olivia Napper*, The George Washington University; Timothy Heleniak*, Nordregio - The Nordic Centre for Spatial Development; *The role of statistics in relation to Arctic indigenous realities*

3:55 Robert Fligg*, MSc, University of Waterloo; Derek Robinson, PhD, University of Waterloo; *Understanding the Heterogeneous Nature of First Nations in Canada: A Study on Governance, Land-tenure and Socio-economic Development*

Wednesday-033.5-2:35 p.m. Urban Geography

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Ian MacLachlan, University Of Lethbridge

2:35 Huan Li*, Zhejiang Gongshang University; *Spatial-temporal analysis of urban bubble in the process of rapid urbanization in Hangzhou*

2:40 QI LIU*, *The Evolution of Policies on Land Supply in China Based on Content Analysis Method*

2:45 Nurul Hussain*, University of Oxford; *Environmental Materialities and the Transition to Sustainability*

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

in a "Smart Nation": An Exploration of High-Rise Government Housing (HDBs) in Singapore

2:50 Xiaoling Zhang*; *Mega urban agglomeration in the transformation era: evolving theories, research typologies and governance*

2:55 Ian MacLachlan*, Peking University Shenzhen Graduate School; Yue Gong, Peking University Shenzhen Graduate School; Yu Zhang, Peking University Shenzhen Graduate School; *High-rise Housing in Shenzhen*

3:00 Jianhui Yu, INSTITUTE OF GEOGRAPHIC SCIENCES AND NATURAL RESOURCES RESEARCH; Wenzhong Zhang, INSTITUTE OF GEOGRAPHIC SCIENCES AND NATURAL RESOURCES RESEARCH; Yi Dang*; *Analysis of the Relationship between Urban Economy and Residents' Income in Resource-based Cities and Its Influencing Factors*

3:05 Minghai Luo*, Professor, Wuhan Geomatics Institute; Jing Luo, Professor, The College of Urban and Environmental Sciences, Central China Normal University; Jiansong Li, Professor, School of Remote Sensing and Information Engineering, Wuhan University; Guangping Chen, Ph.D, The College of Urban and Environmental Sciences, Central China Normal University; *Evaluation of the Basic Public Services of Wuhan City Based on National Geographic Conditions Monitoring Data*

3:10 Michael Adams*; *Assessing the Potential for Daylighting of Urban Streams*

3:15 Daniel Zimny-Schmitt*; *Using LEHD data to examine urban mobility trends and opportunities*

3:20 TIMOTHY PRESTBY*, University of Wisconsin-Madison; Song Gao, Assistant Professor, Project Supervisor; Yunlei Liang, Graduate Student, Assistant Researcher; Yuhao Kang, Graduate Student, Assistant Researcher; Bin Li, Assistant Researcher; *Linking Traffic Volume to Economic Development Index Using Big Data and Gravity Models*

3:25 Madeline LoFaso*, SUNY - Geneseo; *Changing Historical Urban Landscapes and Political Landscapes in Valparaiso, Chile*

Wednesday-034-2:35 p.m. Engagements and entanglements of legal and more-than-human worlds 1: Resource politics (Sponsored by Legal Geography Specialty Group, Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Alida Cantor, Portland State University; Chris Knudson, University of Arizona

CHAIR: Chris Knudson, University of Arizona

2:35 David Hughes*, Rutgers University; *Who owns the wind? The property and justice of eolian energy*

2:55 Carol Hunsberger*, University of Western Ontario; *Stuck in a pipe? Possibilities for expanding Canadian energy project reviews*

3:15 Alida Cantor*, Portland State University; *Sugar water: The shifting dynamics of land use, water rights, and social and environmental justice in Maui, Hawaii*

3:35 Nicolas Bergmann*, Montana State University; *Prior Appropriation and Instream Flow: Tracing the Legal Legacy of Montana's Yellowstone River Water Reservations*

3:55 Discussant(s): Jacque (Jody) Emel, Senior Research Professor, Clark University

Wednesday-035-2:35 p.m. Agroecology Now! 4: Trans-local and global dynamics of agroecological transitions (Sponsored by Geographies of Food and Agriculture Specialty Group, Rural Geography Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Michael Jahi Chappell, Coventry University; Jessica Milgroom; Colin Anderson, Centre for Agroecology, Water and Resilience at Coventry University

CHAIR: Michael Jahi Chappell, Coventry University

Introduction(s): Jessica Milgroom

Panelist(s): Antonio Roman-Alcalá; Ricardo Salvador, Union of Concerned Scientists; Charles Levkoe, Canada Research Chair in Sustainable Food Systems, Lakehead University

Discussant(s): Garrett Graddy-Lovelace, Assistant Professor, American University School of International Service

Wednesday-036-2:35 p.m. The Jan Monk Annual Lecture (Sponsored by Routledge, Taylor & Francis Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Orhon Myadar, University of Arizona, School of Geography and Development

CHAIR: Margaret Walton-Roberts, Wilfrid Laurier University

2:35 Introduction(s): Margaret Walton-Roberts, Assoc Prof, Wilfrid Laurier University

2:50 Julie Young*, University of Lethbridge; *The border as archive: Reframing the crisis mode of governance at the Canada-US border*

Wednesday-037-2:35 p.m. Sports, Spectacle and (Soft) Power I: Economies (Sponsored by Political Geography Specialty Group, Recreation, Tourism, and Sport Specialty Group, Economic Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Natalie Koch, Syracuse University; Glen Norcliffe, York University

CHAIR: Natalie Koch, Syracuse University

2:35 Glen Norcliffe*, York University; Stefan Decosse, Colgate University, New York; *Global Production Networks for Elite Sportspeople: The Case of Hockey*

2:55 Siyabulela Nyikana*, University of Johannesburg; Tembi Maloney Tichaawa, Professor, University of Johannesburg; *Sport tourism as a vehicle for leveraging local economic development in Cameroon*

3:15 Andy Walter*, University of West Georgia; *"The Crew Belongs to Columbus": Save the Crew as a Politics of Economic Possibility*

3:35 Michael Friedman*, University of Maryland; *Crediting the Rooster for the Sunrise – Nationals Park and Neighborhood Redevelopment*

3:55 Christopher Gaffney*, New York University; *The Extraordinary Rendition of Circulation*

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

Wednesday-038-2:35 p.m. Critical Digital Geographies:

Feminist, Queer, Postcolonial, and Critical Race Perspectives (Sponsored by Digital Geographies Specialty Group, Sexuality and Space Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Casey Lynch, University of Arizona - Geography & Development; Lily House-Peters, California State University, Long Beach

CHAIR: Abraham Weil, California State University, Long Beach

2:35 Anna Feigenbaum*, Bournemouth University; *Big Data Baby-Making: Celmatix and Genetic Profiteering in the IVF Industry*

2:55 Courtney Donovan*, San Francisco State University; *Future Possibilities for Tech and Health Humanities: Insights from Intersectional Feminism*

3:15 Jasmine Truong*, *It feels like love: Romance scam and digitally mediated spaces of the intimate*

3:35 Hayal Akarsu*, *Digital Policing: Techno-optimism, Surveillance, and Political Subjectivity in the 'Digital Age'*

3:55 Kelly Sharron*, *American Monument and the Tension of Institutionalized Resistance*

Wednesday-039-2:35 p.m. Realising Transformative Climate Economies? The Place(s) of Green Finance in the Anthropocene (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Bregje Van Veelen, University of Durham; Mark Cooper, University of California - Davis

CHAIR: Bregje Van Veelen, University of Durham

2:35 Andreas Dimmelmeier*, *How green finance became mainstream: An exploration of a 20 year transition in the European Union*

2:55 Eda Acara*, Bakircay University, Izmir, Turkey; *The Gender of Climate Change and Energy in Turkey*

3:15 Nicholas Taylor*, Goldsmiths University; *Green links in the investment chain? Actuaries and the low carbon transition*

3:35 Michael Toulch*, Lund University; *The Transformative Potential of Sustainable Financial Regulation*

3:55 **Discussant(s):** Sabine Dörny, Luxembourg Institute of Socio-Economic Research (LISER)

Wednesday-040-2:35 p.m. W1_6 Teach Web GIS with Getting to Know Web GIS (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Wednesday-041-2:35 p.m. Querying 'the Future of Work' I: Interrogating Inclusion (Sponsored by Economic Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Nancy Worth, University of Waterloo; Emily Reid-Musson, University of Waterloo; Daniel Cockayne, University of Waterloo

CHAIR: Nancy Worth, University of Waterloo

2:35 Jamie Winders*, Syracuse University; Barbara Ellen Smith*, Virginia Tech; *The Future of Work through the Lens of the Past: Early Feminist Economic Geography and the Politics of Inclusion*

2:55 Nathaniel Lewis*, University of Southampton; Suzanne Mills, McMaster University; *LGBTQ employment research and the degradation of work*

3:15 Catherine Jampel*, Graduate Student, Clark University; *Disability employment as a value proposition in the professional workplace: Value stories for fair and foul weather*

3:35 Valentina Castellini*, University of Toronto; *On the phenomenon of meaningful jobs: How the social economy puts politics to work*

3:55 Mukta Naik*, Centre for Policy Research; Eesha Kunduri, Centre for Policy Research; *Navigating work, bargaining with patriarchy in India: Understanding women's work in the small city*

Wednesday-049-2:35 p.m. Climate Variability and Atmospheric Change

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Xuechen Zhang

2:35 Md. Ishfaq ur Rahman*, University of Toledo; Kevin Czajkowski, Professor, University of Toledo; Yitong Jiang, University of Toledo; Kristen Weaver, SSAI, Inc. & NASA Goddard Space Flight Center; *Effect of The Great American Solar Eclipse on Local Weather: A Study on The GLOBE Citizen Science Data Set*

2:55 Shobha Yadav*, West Virginia University; Dr. Eungul Lee, West Virginia University; *Spatio-temporal evaluations of reanalysis surface temperatures in the Tibetan Plateau*

3:15 Raja Sengupta*, McGill University; Prasad Avinash Pathak, Dr., FLAME University; *Estimating UHI from Remote Sensing and Weather Stations: Some Caveats*

3:35 Sarah M. Harris*, McGill University; *Historical Climate Variability of Quebec*

3:55 Xuechen Zhang*, Wuhan University; Huanfeng Shen, Wuhan University; *The variation of atmospheric PM2.5 concentrations caused by the memorial activities during Qingming Festival in China*

Wednesday-050-2:35 p.m. Emerging Tourism Economies: Impacts on Place and People I (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Latin America Specialty Group, Recreation, Tourism, and Sport Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Kelsey Brain, Pennsylvania State University; Karly Miller, University of California

CHAIR: Kelsey Brain, Pennsylvania State University

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

2:35 Karly Miller*, University of California; *Gendered livelihood impacts of emerging tourism in coastal communities: a case study from the Colombian Pacific*

2:55 Gebeyaw Ambelu Degarege*, University of Otago; Brent Lovelock, Department of Tourism, University of Otago; *Tourism and food security nexus in emerging economies: evidences from Ethiopia*

3:15 Travis Bott*, UCLA; *"Territorial Tourists: Birders as Unwitting Agents in Colombia's Re-territorialization"*

3:35 Sabiha Rosy*, Macquarie University; *Situating Indigenous People within the Tourism-Environment Nexus in the Chittagong Hill Tracts (CHT) of Bangladesh*

3:55 Discussant(s): Jennifer Devine, Ph.D., Texas State University - San Marcos

Wednesday-051-2:35 p.m. Defending Rural Autonomies in an Era of Big Data and Financialization (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Rural Geography Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Tad Mutersbaugh, University of Kentucky; Gustavo Oliveira, University of California - Irvine

CHAIR:

Introduction(s): Tad Mutersbaugh, University of Kentucky

Panelist(s): Doug Hertzler, Senior Policy Analyst, ActionAid USA; John Canfield, Auburn University

Discussant(s): Gustavo Oliveira, Assistant Professor, University of California - Irvine; Sarah Lyon, UNIVERSITY OF KENTUCKY; Lindsay Shade, PhD, University of Kentucky

Wednesday-052-2:35 p.m. W1_3 Writing Successfully for the Journal of Geography in Higher Education (JGHE) (Sponsored by Careers and Professional Development)

Room: Marshall East, Marriott, Mezzanine Level (Workshop)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

Wednesday-053-2:35 p.m. Norbert P Psuty Student Paper Merit Award Competition II (Sponsored by Coastal and Marine Specialty Group)

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Jean Ellis, University of South Carolina

CHAIR: Jean Ellis, University of South Carolina

2:35 APARNA KUMARI*, UNIVERSITY OF IDAHO; TIM G FRAZIER, PhD, Georgetown University; *Understanding structural social capital for short and long-term disaster recovery: A case study of Manatee County, Florida*

2:55 Jacquelyn Ferguson*, University of South Carolina; Jean Ellis, PhD, University of South Carolina; Erik Smith, PhD, Baruch Institute, University of South Carolina; *Bringing Science to Stakeholders: Increasing Communication within the Coastal Research Process*

3:15 Lauren Brideau*, *Coastal Management on an Eroding Shoreline: An Alternative Restoration Technique*

3:35 Katherine Canfield*, University of Rhode Island; *Slow violence in Catalina Island tourism: Selling cultures and constructing histories of residents of color*

3:55 Samuel Vazquez*, *Looking at Socioeconomic at Biophysical Variables for Site Suitability Analysis for 3D Ocean Farming in Long Island Sound*

Wednesday-054-2:35 p.m. GIS-based Quantitative Methods for Land Change Science (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Robert Pontius, Clark University

CHAIR: Robert Pontius, Clark University

2:35 Saeed Harati*, Université de Montréal; Liliana Perez, Université de Montréal; Roberto Molowny-Horas, CREAM, Spain; *Validating a cellular automata model of forest insect infestations using 3-map comparisons at multiple scales*

2:55 SI WU*, Shougeng HU, Department of Land Resources Management, China University of Geosciences; *The characteristics of carbon emission in different industrial land spaces in China during 1997-2016*

3:15 De YU*, Department of Land Resources Management, China University of Geosciences; Shougeng Hu, Department of Land Resources Management, China University of Geosciences; *Spatial-temporal dynamics of cultivated land from 1990 to 2014 in Hunan Province, China*

3:35 Bin Quan*, Hengyang Normal University; Hongge Ren, Hunan University of Science and Technology; Robert Gilmore Pontius Jr, School of Geography, Clark University; Peilin Liu, Hengyang Normal University; *Quantifying Spatiotemporal Patterns Concerning Land Change in Changsha, China*

3:55 Robert Pontius*, Professor, Clark University; *Component intensities to relate difference by category with difference overall*

Wednesday-055-2:35 p.m. Spatiotemporal Disease Mapping and Analysis

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Hui Luan, University of Oregon; Matthew Quick, University of Waterloo

CHAIR: Hui Luan, University of Oregon

2:35 Daniel Yonto*, University of North Carolina - Charlotte; Hongwei Jiang, PhD, Research Institute for Humanity and Nature, Kyoto, Japan; Lin Lin, PhD, Xi'an Jiaotong - Liverpool University; *Preventing human liver fluke transmission in Southeast Asia: A spatiotemporal analyses from a rural community in the Lao People's Democratic Republic*

2:55 Nuria Font-Casaseca*, Universitat de Barcelona, Facultat Geografia i Historia; *The effects of socioeconomic deprivation on the spatial distribution of new VIH diagnoses in Catalonia (Spain): some geographical challenges and limitations using Ring maps*

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

- 3:15** Henry Hui Luan*, University of Oregon; *Imputing censored health data at small-area levels: A Bayesian spatiotemporal modelling approach*
- 3:35** Matthew Quick*, University of Waterloo; *Multilevel modeling of cognitive function at individual- and area-levels: A profile of middle-aged and older adults in Canada*
- 3:55** Eric Delmelle*, University of North Carolina at Charlotte; Claudio Owusu, University of North Carolina at Charlotte; Michael Desjardins, University of North Carolina at Charlotte; Alexander Hohl, Utica College; Paul Jung, University of North Carolina at Charlotte; Yu Lan, University of North Carolina at Charlotte; Coline Dony, American Association of Geographers; *Uncertainty in Geographical Analysis: Current Challenges and Future Opportunities*

Wednesday-056-2:35 p.m. Children and Health II:

Childhood Health and Nutrition

- Theme:** Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
- Room:** Tyler, Marriott, Mezzanine Level (Paper)
- Time:** 2:35 p.m. - 4:15 p.m.
- ORGANIZER(S):** Theme Committee
- CHAIR:** Niaz Morshed, Texas State University
- 2:35** Elisabeth Root*, The Ohio State University; Kaiting Lang, The Ohio State University; Pamela Salsberry, The Ohio State University; Chris Browning, The Ohio State University; *Building Community for Healthy Moms and Healthy Babies: The Protective Effect of Urban Black Communities*
- 2:55** Wilbert Van Panhuis*, MD, PhD, University of Pittsburgh Departments of Epidemiology and Biomedical Informatics; Tenley Brownwright, MPH, University of Pittsburgh Department of Epidemiology; Scott Chadwell, MPH, University of Pittsburgh Department of Infectious Diseases and Microbiology; Geeta Acharya, Student, Emory University; Xinying Liu, MPH Student, University of Pittsburgh Department of Epidemiology; *School-level measles vaccination coverage data to assess high-resolution spatial heterogeneity of vaccination and immunity in the United States*
- 3:15** Rhoda Mundi*, Ph.D., Department of Geography & Environmental Management, University of Abuja, Nigeria; Beatrice Biyaya Nwankwo, Dr., Department of Community Medicine, University of Abuja, Nigeria; Samuel Dakyes Panse, Dr., Department of Geography & Environmental Management, University of Abuja, Nigeria; Sunday Ishaya, Dr., Department of Geography & Environmental Management, University of Abuja, Nigeria; Stephen Yohanna, Dr., Department of Family Medicine, Bingham University, Karu, Nigeria; *Demographic and socio-economic factors associated with childhood diseases and under-five mortality in Nigeria's Federal Capital Territory*
- 3:35** Austin Sandler*, University of Maryland; *Evaluating the latent determinants of childhood malnutrition in Kenya and Nigeria: a hierarchical analysis*
- 3:55** Niaz Morshed*, Texas State University; F. Benjamin Zhan, Texas State University; *Racial/ethnic disparities in childhood cancer survival in Texas*

Wednesday-057-2:35 p.m. Settler Colonial Fabrications/ Fabricating Settler Colonialism I: Dispossession, Resource Extraction, and Environmental Governance (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

- Room:** Truman, Marriott, Mezzanine Level (Paper)
- Time:** 2:35 p.m. - 4:15 p.m.
- ORGANIZER(S):** Sara Hughes, University of Southern California; Stepha Velednitsky, University of Wisconsin - Madison; Rhys Machold, University of Glasgow
- CHAIR:** Sara Hughes, University of Southern California
- 2:35** Katie Grote*, University of Kansas; *Pipelines, Protectors, and a Sense of Place: Media Representations of #NoDAPL*
- 2:55** Guillaume Proulx*, Université Du Québec a Montreal; Nicholas Crane*, University of Wyoming; *Contingency and Emancipatory Politics in the Ongoing Construction of Settler Colonial Landscapes*
- 3:15** Carrie Mott*, University of Louisville; *Settler Colonial Geographies in the Columbia River Basin*
- 3:35** Merle Davis Matthews*, University of Minnesota; *Mapping Extractivism*
- 3:55** Stepha Velednitsky*, University of Wisconsin - Madison; Sara Salazar Hughes, University of Southern California; *Greenwashing Palestine: Zionist green technologies and the making of settler expertise*

Wednesday-058-2:35 p.m. Spatial Disparities in Health and Disease

- Theme:** Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
- Room:** Taylor, Marriott, Mezzanine Level (Paper)
- Time:** 2:35 p.m. - 4:15 p.m.
- ORGANIZER(S):** Theme Committee
- CHAIR:** Ashwini Chhatre, Indian School of Business
- 2:35** Kun Qin*, Wuhan University; Qixin Wang, Wuhan University; Wenjie Guo, Wuhan University; *Health Disparities Analysis Based on Spatial Statistics of Health Data*
- 2:55** Hongbo Zhao*, *Spatial Inequality and Influencing Factors of Residents' Self-rated Health and Environmental Hazard Perception: a case study of Zhengzhou City, China*
- 3:15** Yuqi Liu*, The University of Hong Kong; *Economic disadvantages and migrants' subjective well-being in China: The mediating effects of relative deprivation and neighbourhood deprivation*
- 3:35** Sachi Matsuoka*, Kyoto University; *The common space use at a religious institution in Kerala, Southern India: Aspects of inhabitants' interpersonal relationships for their social welfare*
- 3:55** Ashwini Chhatre*, Indian School of Business; Piyush Mehta, Indian School of Business; Ruth DeFries, Columbia University; Kyle Davis, Columbia University; Narsimha Rao, International Institute for Applied Systems Analysis; *Impact of food and agriculture policies on dietary patterns and malnutrition in India*

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM**Wednesday-065-2:35 p.m. Digital Technology, Tourism and Geographies of Inequality II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Media and Communication Geography Specialty Group, Digital Geographies Specialty Group)**

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Julia Giddy, University of Johannesburg; Fabian Frenzel, University of Leicester; Ko Koen, Breda University of Applied Sciences

CHAIR: Julia Giddy, University of Johannesburg

2:35 Jessica R Barnes*, PhD, Northern Arizona University; *Cashing in on sharing space or displaced?: The impacts of Airbnb short-term rental hosting on livelihoods and access to affordable housing in Flagstaff, Arizona*

2:55 Dustin Robertson, City, Culture, and Community and Urban Studies Program, Tulane University; Christopher Oliver, Sociology, Environmental Studies, and Urban Studies, Tulane University; Eric Nost*, University of Guelph; *Airbnb as a new form of tourism gentrification: Growth of STRs and impacts on rental housing affordability*

3:15 Fabian Frenzel*, University of Leicester; *(digitally enhanced) Place Making from Below*

3:35 Camila Maria Moraes*, Rio de Janeiro University; *"Beyond the map": from the travelling favela to the digital favela*

3:55 **Discussant(s):** Ko Koen, Breda University of Applied Sciences

4:14 **Discussant(s):** Jennie Germann Molz, Associate Professor, College of the Holy Cross

Wednesday-066-2:35 p.m. Public Transit: Social and Economic Opportunities and Consequences II (Sponsored by Transportation Geography Specialty Group, Urban Geography Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte; Isabelle Nilsson, University of North Carolina - Charlotte - Charlotte, NC

CHAIR: Elizabeth Delmelle, University of North Carolina at Charlotte

2:35 Isabelle Nilsson*, University of North Carolina - Charlotte; Elizabeth Delmelle, University of North Carolina - Charlotte; *The impact of new rail transit stations on residential location choice and sorting*

2:55 Elizabeth Delmelle*, University of North Carolina at Charlotte; Isabelle Nilsson, University of North Carolina at Charlotte; Claire Schuch, University of North Carolina at Charlotte; Tonderai Mushipe, University of North Carolina at Charlotte; *Who's moving in? A longitudinal study of mortgage lending applications in rail transit neighborhoods*

3:15 Seva Rodnyansky*, University of California - Berkeley; *Transit and Path Dependence: Does Living near Transit Beget Future Living Near Transit?*

3:35 Matan Singer*, University of Michigan; *Location Affordability by Neighborhood Type: Housing and Transportation Affordability in U.S. Metropolitan Areas*

3:55 Irene Casas*, Professor, Louisiana Tech University; Elizabeth Delmelle, University of North Carolina at

Charlotte; *Bus Rapid Transit Implementation and Air Quality in Cali, Colombia***Wednesday-067-2:35 p.m. Urban Data Science III: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Levi Wolf, University of Bristol; Taylor Oshan, Arizona State University; Wei Kang, University of California - Riverside

CHAIR: Levi Wolf, University of Bristol

2:35 Perry Carter*, Texas Tech University; *Gender on the Road: An examination of the journey to work in the Dallas-Fort Worth metropolitan region*

2:55 James Saxon*, University of Chicago; *Social Capital and the Local Structure of Human Mobility in Chicago*

3:15 Guanpeng Dong*, University of Liverpool; *Multi-level temporal autoregressive modelling of daily activity satisfaction using GPS-integrated activity diary data*

3:35 Jiahui Wu*, University of Maryland - College Park; Lingzi Hong, University of Maryland - College Park; Vanessa Frias-Martinez, University of Maryland - College Park; *Predicting Perceived Cycling Safety Levels Using Open and Crowdsourced Data*

Wednesday-068-2:35 p.m. Trends in International Geography Assessment Study: A Progress Report

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Michael Solem, National Center for Research in Geography Education

CHAIR: Michael Solem, National Center for Research in Geography Education

Introduction(s): Michael Solem, Co-Director, National Center for Research in Geography Education

Panelist(s): Joseph Stoltman, Professor, Western Michigan University; Injeong Jo, Associate Professor, Texas State University; Jon Moore, Geographer, Assessment Specialist, Educational Testing Service

Discussant(s): Chew-Hung Chang, Assoc Prof, Nanyang Technological University

Wednesday-069-2:35 p.m. Career Paths in Climatology-Geography (Sponsored by Climate Specialty Group, Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Natalie Teale, Rutgers University

CHAIR: Natalie Teale, Rutgers University

Panelist(s): Patricia Lawston, University of Maryland, Earth System Science Interdisciplinary Center; Anna Trevino, AIR Worldwide; Adrienne Kramer, International Association of Fire Fighters

Discussant(s): Natalie Teale, Rutgers University

Wednesday-070-2:35 p.m. Do Physical Geographers Need Computational Thinking Skills? (Sponsored by Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Workshop)

Time: 2:35 p.m. - 4:15 p.m.

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

ORGANIZER(S): Coline Dony

CHAIR: Coline Dony

2:35 Discussant(s): Coline Dony

Wednesday-072-2:35 p.m. Hurricanes II: Geomorphology

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR: Harry Williams, University of North Texas

2:35 Kam-Biu Liu*, Department of Oceanography and Coastal Sciences, Louisiana State University; Qiang Yao, Department of Oceanography and Coastal Sciences, Louisiana State University; Harry F. Williams, Department of Geography and the Environment, University of North Texas; Junghyung Ryu, Department of Oceanography and Coastal Sciences, Louisiana State University; *Uncovering Hurricane Harvey's storm deposition in the Aransas National Wildlife Refuge, Texas*

2:55 Bradley Rains*, University of North Texas; Harry Williams, University of North Texas; *An assessment of Hurricane Harvey overwash sedimentation on the Matagorda Peninsula*

3:15 Carlos Ramos-Scharron*, University of Texas - Austin; *The Propensity of High Standing Islands to Record-Setting Peak Flows – The Case of Puerto Rico*

3:35 Don Jonsson*, Austin Community College; *What happened to the Bolivar Peninsula in Texas after Hurricane Ike?*

Wednesday-073-2:35 p.m. Tornadoes, Climate, and Society

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Tyler Fricker, Florida State University

CHAIR: Tyler Fricker, Florida State University

2:35 Tyler Fricker*, Florida State University; *Unusually Devastating Tornadoes*

2:55 Todd W Moore*, Towson University; Tiffany A DeBoer, Towson University; *Review and analysis of possible changes to the climatology of tornadoes in the United States*

3:15 Joshua Hatzis*, University of Oklahoma; Jennifer Koch, University of Oklahoma; Harold Brooks, National Severe Storms Laboratory and University of Oklahoma; *Projected Tornado Exposure over Oklahoma City under Several Climate Change and Urban Development Scenarios*

3:35 Zoe Schroder*, Florida State University; James Elsner, Advisor, Florida State University; *Environmental Factors Related to Accumulated Tornado Energy on the Most Prolific Days in the Largest "Outbreaks"*

3:55 Tiffany A. DeBoer*, Towson University; Todd W. Moore, Dr., Towson University; *Influence of Atmospheric Teleconnections on Spring Tornado Activity in the Southeast United States*

Wednesday-074-2:35 p.m. Interdisciplinary Environmental Research: Reconciling Disparate Geographic and Temporal Scales of Data Part 2. Panel Discussion

Room: Stones Throw 3, Marriott, Mezzanine Level (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Rebecca Lave, Indiana University; John Baeten, Indiana University; Lisa Kelley, University of Hawaii - Manoa

CHAIR: Lisa Kelley, University of California, Berkeley

Introduction(s): Rebecca Lave, Associate Professor, Indiana University

Panelist(s): Lisa Kelley, University of Hawaii - Manoa; Rinku Roy Chowdhury, Associate Professor, Clark University; Heidi Hausermann, Assistant Professor, Colorado State University; Robert Wilson, Associate Professor, Syracuse University; John Baeten, Indiana University

Wednesday-081-2:35 p.m. Economic Geography IV - Inequality, Affordability, Economic Decline and Replicable and Reproducible Research Approaches (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Dieter Kogler, University College Dublin

2:35 Andres Rodriguez-Pose*, London School Of Economics; Lewis Dijkstra, European Commission; Hugo Poelman, European Commission; *The geography of EU discontent and the revenge of the places that don't matter*

2:55 Christopher R Esposito*, UCLA; Edward Leamer, UCLA Anderson School; Jerry Nickelsburg, UCLA Anderson School; *Who Pays When We Increase the Minimum Wage? Panel Evidence from Los Angeles County Restaurants*

3:15 Ziv Rubin*, University of Toronto; *Housing Affordability and Firm Locational Choice - The Case of Canadian Innovation Clusters*

3:35 Giuseppe Calignano*, Department of Geography and Regional Research, University of Vienna; *More cited, more reputable, more successful? On the association between academic reputation, scientific excellence and node centrality in innovation networks*

3:55 Peter Kedron*, Oklahoma State University; *Replicable and Reproducible Research in Economic Geography and Spatial Science*

Wednesday-082-2:35 p.m. Pedagogy and Religion in Geography (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Directors Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Maxim Samson, DePaul University; Justin Tse, University of Washington

CHAIR: Maxim Samson, DePaul University

2:35 Maxim Samson*, DePaul University; *Imagining the Urban Religious Landscape: Using Photo Essays to Conceptualize Religion in the City*

2:55 Sriram Khe*, Western Oregon University; *Identity and the Continental Divide*

3:15 David McGraw*, James Madison University; *Objectivity and Normativity in Geography Education: The Role of Teaching Moral Sensitivity and Ethical Reasoning Skills in Geography*

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

3:35 Justin Tse*, Northwestern University; *Classrooms, conscientization, communion: Paulo Freire and theological space*

3:55 Discussant(s): Heidi Nast, Professor, DePaul University

Wednesday-083-2:35 p.m. Update of Wine Production**Trends in the Eastern US (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group)**

Room: Committee Room, Omni, West (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Percy Dougherty, Kutztown University of Pennsylvania

CHAIR: Percy Dougherty, Kutztown University of Pennsylvania

Introduction(s): Percy Dougherty, Professor Emeritus, Kutztown University of Pennsylvania

Panelist(s): Denyse Lemaire, Professor Retired, Salish Kootenai College; Forrest Bowlick, Lecturer, University of Massachusetts - Amherst; John Nowlin, Assistant Professor, Arkansas State University; Colleen Garrity, Ph.D., SUNY-Geneseo; Robert Ziegenfuss, Professor Emeritus, Kutztown University

Wednesday-084-2:35 p.m. Theorizing the Just City in the Era of Climate Change (2) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Urban Geography Specialty Group)

Room: Executive Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Jennifer Rice, University of Georgia; Joshua Long, Southwestern University

CHAIR: Anthony Levenda, Arizona State University

2:35 Randall Amster*, Georgetown University; *The Thin Green Line: Climate Securitization and Urban Spatial Control*

2:50 Michelle Wenderlich*, Clark University; *Climate justice through campaigns for democratic public ownership – movement strategies and local effects in Berlin and Minneapolis*

3:05 Khai Hoan Nguyen*, Rutgers University; *Climate Gentrification: A Case Study of Double Exposure in Sunset Park, New York City*

3:20 Diego Martinez-Lugo*, University of Arizona; *Theorizing for Praxis: Toward a Grassroots Articulation of Climate Justice*

3:35 Savannah Cox*, University of California - Berkeley; *Rating Urban Resilience and Vulnerability*

3:50 Abigail Knox*, University of Cape Town; Sophie McManus, Open Data Durban; *Accommodating the urban poor in Durban, South Africa: Narratives from Blackburn Informal Settlement*

Wednesday-086-2:35 p.m. Picturing Power 4: Innovative Visual Methods in Critical Geography (Sponsored by Cultural Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Melody Lynch, University of Melbourne; Noelani Eidse, McGill University

CHAIR: Noelani Eidse, McGill University

2:35 Elisabetta Rosa*, Université catholique de Louvain; Maurizio Memoli, Università di Cagliari; Ivan Blečić, Università di Cagliari; *Margins at the Center: Experiments in Immersive Instant Geotelling*

2:55 David Marshall*, Assistant Professor, Elon University; Dima Smaira, American University of Beirut; *Visualizing critical geopolitics: inter-generational, place-based digital storytelling*

3:15 Joern Langhorst*, Associate Professor, University of Colorado Denver, College of Architecture and Planning; *Imag(e)ining Place in Post-disaster Recovery: Asserting rights to place, narrative and identity*

3:35 Wanda Liebermann*, Florida Atlantic University; *Seeing the River: Visualizing race, infrastructure, and ecology on the New River, Fort Lauderdale*

Wednesday-087-2:35 p.m. What do Human Rights Do?**Towards Critical Geographies of Human Rights: Session 2 (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Joel Correia, University of Florida; Nicole Laliberte, University of Toronto - Mississauga; Jean Carmalt, CUNY - Graduate Center

CHAIR: Joel Correia, University of Florida

2:35 Meredith DeBoom*, University of South Carolina; *The Geopolitics of Human Rights in Africa-China Relations*

2:55 Austin Kocher*, Dr.; *Regional Assemblages of Rights: A Geographic Framework for Analysis and Critique of Actually-Existing Human Rights*

3:15 Jean Carmalt*, CUNY - Graduate Center; *Critical geographies of human rights and the spatial dimensions of international law violations in Rakhine State, Myanmar*

Wednesday-088-2:35 p.m. Refugee-ographies: Research Integrity and Human Dignity Under Pressure to Financialize, Militarize, and Patriotize Refuge (Sponsored by Qualitative Research Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Christian Matheis, Guilford College; Eli Jamison, Virginia Tech

CHAIR: Jared Keyel, Virginia Tech

2:35 Christian Matheis*, Guilford College; Eli Jamison*, Virginia Tech; *Toward a PSR Policy Rubric – A Data-Informed Index for Reception and Resettlement Policies*

2:55 Jared Keyel*, Virginia Tech; *Critical Qualitative Methodology: Marshalling Normative Tools to Ground Analysis and Condemnation of State Violence Causing Displacement*

3:15 Angela Subulwa*, Chair & Associate Professor, University of Wisconsin Oshkosh; *Governing Refuge in Africa's Cities*

3:35 Sher Khan*, University of North Texas; Waquar Ahmed, University of North Texas; *Confronting Neoliberalism: Railway workers in Pakistan*

WEDNESDAY, April 3 • 2:35 PM - 4:15 PM

Wednesday-089-2:35 p.m. 4. Population Specialty Group:

Population change (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

2:35 Peter Rogerson*, SUNY - BUFFALO; *Changes in U.S. Regional Population Density*

2:55 Joshua Comenetz*, U.S. Census Bureau; *Innovations in International Population Mapping*

3:15 William Bredemeyer*, U.S. Bureau Of the Census; *Combined Statistical Areas in the United States and Puerto Rico*

3:35 Cuiling Liu*, Louisiana State University; *Habitation Environment Suitability and Population Density Patterns in China: A Regionalization Approach*

Wednesday-090-2:35 p.m. Trees in the City 4: Challenges and Opportunities for Interdisciplinary Research in Urban Forestry (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR: Lara Roman, USDA Forest Service

Panelist(s): Cecil Konijnendijk, University of British Columbia, Faculty of Forestry; Harold Perkins, Associate Professor, Ohio University; Deborah Martin, Professor, Clark University; Kirsten Schwarz, Associate Professor, Northern Kentucky University; Natalie Gulsrud, Copenhagen University; Theodore Eisenman, University of Massachusetts - Amherst

Wednesday-091-2:35 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Time Geography - understanding the digital society IV: Panel on Time Geography in the Global Context

Room: Congressional B, Omni, West (Panel)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Kajsa Ellegård, Linköping University; Åsa Westermark, Jönköping University

CHAIR: Shih-Lung Shaw, University of Tennessee

Panelist(s): Eva Magnus, Norwegian University of Technology and Science; Kajsa Ellegård, Professor, Linköping University; Yanwei Chai, Peking University; Ying Song, Dr., University of Minnesota - Minneapolis, MN; Kohei Okamoto, Professor, Nagoya University

Wednesday-092-2:35 p.m. Transportation and Planning: Groundbreaking Geographies (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Empire Room, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Lynn Abdouni, College of Environment and Design

CHAIR: Lynn Abdouni, College of Environment and Design

2:35 Introduction(s): Lynn Abdouni, College of Environment and Design

2:40 Kolawole Taofeek Gbadamosi*, PhD, FCILT, Department of Transport Management Technology Federal University of Technology Akure, Nigeria; Akanmu Ademola Ayobami, Department of Transport Planning and Management, The Oke-Ogun Polytechnic, Saki, Nigeria; *Counterproductive Nature of Transportation Externalities on Livability of Nigeria Cities*

2:59 Lynn Abdouni*, College of Environment and Design; *The Pan-Arab Corridor*

3:18 Ataman Avdan*, Simon Fraser University and Columbia College, Vancouver; *National Politics, Ideological Alignments, and Policy Mobilities: The Implementation of Bus Rapid Transit in Lahore, Pakistan*

3:37 Manasi Parkhi*, PhD Student, University of Georgia; *Educational Institutions as Catalysts for Public Transportation*

3:56 S M Rafael Harun*, University of Waterloo; *Does Immigrant Settlement Patterns Influence Travel Outcomes?*

Wednesday-093-2:35 p.m. Geography, Sociality, Aesthetics I (Sponsored by Cultural Geography Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): Jonathan Bratt, Arizona State University; Jennifer Kitson, Rowan University

CHAIR: Jonathan Bratt, Arizona State University

2:35 Mike Cado*, York University; *Jazz in the City: Cultural Institutions and the Formation of A National Identity*

2:55 Aju James*, Bowling Green State University; *Spaces of Laughter: Stand-up Comedy and the Production of 'Global' Urban Space in India*

3:15 Chia-Ling Hsu*, Institute of Ethnology, Academia Sinica; *Taiwanese everyday breakfast practice: the role and strategies of breakfast shops*

3:35 Jonathan Bratt*, Arizona State University; *Making Heat and Noise: Socioaesthetic Poiesis in Tianjin, China*

Wednesday-094-2:35 p.m. Floating Life 2 ~ Turbulence (Sponsored by Cultural Geography Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 2:35 p.m. - 4:15 p.m.

ORGANIZER(S): David Bissell, University of Melbourne; Elizabeth Straughan, University of Melbourne

CHAIR: David Bissell, University of Melbourne

2:35 Austin Zeiderman*, London School of Economics; *Navigating Turbulent Waters: Floating Life and Death on a Colombian River*

2:55 Lauren Wagner*, Maastricht University; *Dwelling in motion: Some experiments in being a long-distance passenger*

3:15 Jessie Speer*, *Homelessness and the turbulent cycle of displacement*

3:35 Clare Holdsworth*, *Bermuda Triangles of Time: Everyday de-territorial floating*

3:55 Elizabeth Straughan*, University of Melbourne; David Bissell, University of Melbourne; Andrew Gorman-Murray, Western Sydney University; *Floating in absence: experiences of waiting in proximity to mobile working practice*

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM**Wednesday-001-4:30 p.m. Student Networking Social****(Sponsored by American Association of Geographers, Careers and Professional Development)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Special Event)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Wednesday-003-4:30 p.m. Author Meets Critics: Elizabeth Currans' Marching Dykes, Liberated Sluts, and Concerned Mothers: Women Transforming Public Space (Sponsored by Sexuality and Space Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Farhang Rouhani, University of Mary Washington

CHAIR: Farhang Rouhani, University of Mary Washington

Discussant(s): Jack Gieseke, Assistant Professor of Geography, University of Kentucky; Petra Doan, Professor, Florida State University; Julie Podmore, Professor, John Abbott College; ELIZABETH CURRANS, Eastern Michigan University; Lawrence Knopp, Professor, University of Washington Tacoma**Introduction(s):** Christina Hanhardt, Associate Professor, University of Maryland**Wednesday-007-4:30 p.m. Camps, Checkpoints and Border Fortifications: Critical Geographies of Containment, (Im)Mobility and Security II (Sponsored by Political Geography Specialty Group)**

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Alexandra Rijke, Wageningen University and Research; Yolanda Weima, York University; Hanno Brankamp, University of Oxford

CHAIR: Alexandra Rijke, Wageningen University and Research

4:30 Discussant(s): Claudio Minca, Prof, Macquarie University**4:50** Lauren Martin*, Durham University; *Carceral Economies of Contemporary Migration Control***5:10** Anna Casaglia*, University of Eastern Finland; *From everyday bordering to everyday containment: the shifting border regime of the Mediterranean.***5:30** Yolanda Weima*, York University; *Haunting closures: Sovereign power, camp closures, and fear in everyday life***5:50** Rebecca Clouser*, Washington University in St. Louis; Jillian M. Rickly, University of Nottingham; *Endurance philanthropists and migrant caravans: Portrayals of fear and (im)mobilities***Wednesday-008-4:30 p.m. GeoAI and Deep Learning Symposium: Deep Learning in Geography (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Wenwen Li, Arizona State University

CHAIR: Wenwen Li, Arizona State University

4:30 Morteza Karimzadeh*, Purdue University; Luke Snyder, Purdue University; Yi-Shan Lin, Purdue University; David S. Ebert, Purdue University; *Interactive Deep Learning for Identifying Relevant Social Media Posts in Crisis Monitoring***4:50** Shawn Newsam*, University of California, Merced; *Deep Learning for Geographic Knowledge Discovery in Complex Spatial Data***5:10** Wenwen Li*, Arizona State University; *A weakly supervised deep learning model for object detection of landform features***5:30** Benoit Parmentier*, National Socio-Environmental Synthesis Center, University of Maryland; Marco Millones, Geography, University of Maryland Washington; Albert Decatur, Hachure; Hichem Omrani, Luxembourg Institute of Socio-Economic Research; Giuseppe Amatulli, Yale School of Forestry and Environmental Studies; Tijana Jovanovic, National Socio-Environmental Synthesis Center, University of Maryland; Neeti Neeti, Natural Resources, TERI University; *Modeling land cover change in Houston with Deep Learning***Wednesday-009-4:30 p.m. Blue Collar Scholarship 3 (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Latinx Geographies Specialty Group, Harassment-Free AAG Initiative)**

Room: Virginia C, Marriott, Lobby Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Lorraine Dowler, Penn State University; Richard Schroeder, Rutgers University

CHAIR: Richard Schroeder, Rutgers University

Panelist(s): Lorraine Dowler, Associate Professor, Penn State University; Zan Dodson, American Association of Geographers; Cheryl McEwan, Dr, University Of Durham; Anjanette Vaidya; Becca Bassett, Harvard University**Wednesday-012-4:30 p.m. Urban Transitions in Africa: The Prospects and Challenges for/to Generative Urbanization (Sponsored by Africa Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)**

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): James Murphy, Clark University; Padraig Carmody, Trinity College Dublin; Richard Grant, University Of Miami

CHAIR: James Murphy, Clark University

Introduction(s): James Murphy, Professor, Clark University**Panelist(s):** Garth Myers, Distinguished Professor, Trinity College; Franklin Obeng-Odoom; Katherine Gough, Loughborough University; Kefa Otiso, Prof., Bowling Green State University**Discussant(s):** Mary Lawhon, Florida State University**Wednesday-031-4:30 p.m. Agro-Agnologies: Productions of Power and Ignorance in Industrial Agriculture**

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Jennie Durant, University of California, Berkeley; Abigail Martin

CHAIR: Jennie Durant, University of California, Berkeley

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

4:30 Jennie Durant*, University of California, Berkeley; *The Label is the Law: Productions of Ignorance about Bee Toxic Agrochemicals*

4:50 Patrick Baur*, University of California, Berkeley; *Safe knowledge, dangerous ignorance: The co-production of systemic blind spots in agrofood safety design and implementation*

5:10 Annie Shattuck*, University of California - Berkeley; *Contesting Harm: Agrochemicals and Agnotology on a Commodity Frontier*

5:30 Abigail Martin*, *Confronting ignorance in agricultural value chains: Carbon intensity calculations for biofuels production*

5:50 Discussant(s): Susanne Freidberg, Dartmouth College

Wednesday-032-4:30 p.m. Qualitative Research Specialty Group Plenary (Sponsored by Qualitative Research Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Daniel Trudeau, Macalester College

CHAIR: Daniel Trudeau, Macalester College

Introduction(s): Daniel Trudeau, Professor, Macalester College; Amy Piedalue, Postdoctoral Research Fellow, Australia India Institute

Discussant(s): Courtney Donovan, Dr., San Francisco State University; David Seitz, Harvey Mudd College; Sara H. Smith, Associate Professor, University of North Carolina

Wednesday-033-4:30 p.m. Settler Colonialism & Environmental Justice (Sponsored by Indigenous Peoples Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Kaitlin Reed, Dartmouth College

CHAIR: Kaitlin Reed, Dartmouth College

Introduction(s): Kaitlin Reed, Ph.D. Candidate, Dartmouth College

Panelist(s): Tiffanie Hardbarger, Teresa Montoya, New York University; Lou-Anne Makes-Marks, Sacred America; Gregory Hitch, Brown University

Discussant(s): MARLENE BRITO-MILLAN, University of San Diego

Wednesday-033.5-4:30 p.m. Physical Geography

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Holly Porter-Morgan, The City University of New York

4:30 Thiago Pereira Rosa*, Master's Degree, Centro Polar e Climático/Departamento de Geografia - UFRGS; Francisco Eliseu Aquino, Professor, Centro polar e Climático/Departamento de Geografia - UFRGS; Pedro Teixeira Valente, PhD Student, Centro Polar e Climático/Departamento de Geografia - UFRGS; Pedro Amaral Reis, Master's Degree, Centro Polar e Climático/Departamento de Geografia - UFRGS; *Increase in Intensity, Frequency and Duration of Heat Waves in Porto Alegre, Brazil From 1961 To 2018*

4:35 Christopher Hidalgo*, University of North Carolina - Wilmington; Jessica L Magolan, University of North Carolina - Wilmington; Narcisa Pricope, Dr.,

University of North Carolina - Wilmington; Joanne Halls, Dr., University of North Carolina - Wilmington; Lauren Rosul, University of North Carolina - Wilmington; *Vulnerability to Inundation Model Validation for Pender County, North Carolina Using Observed Flood Extents from Hurricane Florence*

4:40 Nirmela Govinda*, LaGuardia Community College, The City University of New York; Aldrin Ador, LaGuardia Community College, City University of New York; Estrella Cazares, LaGuardia Community College, City University of New York; Willis Elkins, Newtown Creek Alliance; Kelvin Gonzalez, LaGuardia Community College, City University of New York; Tonya Roe, Queens College, The City University of New York; Zazoe van Lieshout, LaGuardia Community College, City University of New York; Holly Porter-Morgan*, The City University of New York; *Spatial and Temporal Variability in Enterococcus at an Urban Superfund Site After Sewage Infrastructure Upgrades*

4:45 Lucy DiBenedetto*, Shinnecock Bay Restoration Program (Stony Brook University); *Utilizing Geodesign for Restoration Efforts in Quantuck Bay, New York*

4:50 Yuliang Zhang*, College of Hydrology and Water Resources, Hohai University; Juliang Jin, School of Civil Engineering, Hefei University of Technology; Shangming Jiang, Key laboratory of Water Conservancy and Water Resources of Anhui Province, Anhui and Huaihe River Institute of Hydraulic Research; Shaowei Ning, School of Civil Engineering, Hefei University of Technology; Yuliang Zhou, School of Civil Engineering, Hefei University of Technology; Zhiyong Wu, College of Hydrology and Water Resources, Hohai University; *A quantitative assessment model of drought resistance effects on regional agriculture based on a expectation index of drought resistance effects*

4:55 Kalen Johnson*, *Determining the season of operability and maturity of timber stands in Northeastern Minnesota.*

5:00 Penglai Ran*, Department of Land Resources Management, China University of Geosciences; Shougeng Hu, Department of Land Resources Management, China University of Geosciences; *Dynamic Evaluation and Diagnosis of Obstacle Factors on Land Ecological Status on Partition: A Case Study on Yanchi County of Ningxia Hui Autonomous Region*

5:05 Hannah Penn*, Augustana College; Reuben Heine, Professor, Augustana College; *An Assessment of the Spatial Distribution of Three Key Nutrients in the Floodplain Soils of the Being Ecological Preserve, Moline, Illinois*

5:10 Xiaokang Zhou*, Peking University; *Spatial-Temporal Change and Land Use Analysis of Thermal Environment in Beijing Based on Hourly Temperature Data*

5:15 Wanwan Liang*, Liem Tran, Department of Geography, University of Tennessee, Knoxville; Gregory Wiggins, National Institute for Mathematical and Biological Synthesis; Jerome Grant, Department of Entomology and Plant Pathology, University of Tennessee, Knoxville; Scott Stewart, Department of Entomology and Plant Pathology, University of Tennessee, Knoxville; Robert Washington-Allen, Department of Agriculture, Nutrition & Veterinary Sciences, University of Nevada, Reno; *Determining spread rate of kudzu bug and its associations with environmental factors in a heterogeneous landscape*

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

5:20 Yang Ding*, China University of Geosciences; Huang Zheng, China University of Geosciences; Huanfang Huang, China University of Geosciences; Yuan Zhang, China University of Geosciences; Shihua Qi, China University of Geosciences; *One century sedimentary records of persistent organic pollutants (POPs) in Ngoring Lake at the source region of the Yellow River, Tibetan Plateau*

5:25 Anna Abramova*, Department of Geography, Lomonosov Moscow State University; Sergey Chernyanski, Department of Geography, Lomonosov Moscow State University; Stanislav Ogorodov, Department of Geography, Lomonosov Moscow State University; *Geochemistry and Spatial Distribution of Coal Contamination in the Longyearbyen Mining Area, Svalbard*

5:30 Maria Ananicheva*, Institute of Geography, RAS; Egor V Belozero, Lomonosov State University, Geographical faculty; *On the results of the study of the glaciers of Chikchi and Kolyma highlands by satellite images and field investigation*

5:35 Ali Malek*, Oregon State University; *The effects of light, wind, and relative humidity on air temperature in an old-growth forest in Oregon*

Wednesday-034-4:30 p.m. Engagements and Entanglements of Legal and More-than-human Worlds 2: Environmental and climate justice (Sponsored by Legal Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Alida Cantor, Portland State University; Chris Knudson, University of Arizona

CHAIR: Alida Cantor, Portland State University

4:30 Anna Sveinsdottir*, University of Denver; *From the street to the courts: The judicialization of environmental struggles in Guatemala*

4:50 Mark Ortiz*, University of North Carolina - Chapel Hill - Chapel Hill, NC; *The Youthful Body and Atmospheres of Slow Emergency in Juliana v. United States*

5:10 Teresa Bornschlegel*, PUCP; *Geospatial advocacy? The use and effects of geospatial technologies for making Earth Rights matter*

5:30 Emily Williams*, UCSB; *Attributing Climate Change Impacts in Kivalina, Alaska – 10 Years after the Landmark Lawsuit*

5:50 **Discussant(s):** Eric Perramond, Professor, Colorado College

Wednesday-035-4:30 p.m. Author Meets Critic: Food Justice Now: Deepening the Roots of Social Struggle by Joshua Shicca (Sponsored by Geographies of Food and Agriculture Specialty Group, Black Geographies Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Charles Levkoe, Lakehead University

CHAIR: Charles Levkoe, Lakehead University

Panelist(s): Charles Levkoe, Canada Research Chair in Sustainable Food Systems, Lakehead University; Antonio Roman-Alcalá; Ashante Reese, Spelman College

Discussant(s): Joshua Shicca, Assistant Professor, Colorado State University; Garrett Graddy-Lovelace, Assistant Professor, American University School of International Service; Kristin Reynolds

Wednesday-036-4:30 p.m. IPSG Plenary - Indigenous Geographies of Health and Human Rights (Sponsored by Indigenous Peoples Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Renee Louis, Institute of Policy and Social Research

CHAIR: Renee Louis, Institute of Policy and Social Research

Introduction(s): Renee Louis, Associate Researcher, Institute of Policy and Social Research

Panelist(s): Chantelle Richmond, The University of Western Ontario

Wednesday-037-4:30 p.m. Sports, Spectacle and (Soft) Power II: Identities (Sponsored by Political Geography Specialty Group, Recreation, Tourism, and Sport Specialty Group, Economic Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Natalie Koch, Syracuse University; Glen Norcliffe, York University

CHAIR: Glen Norcliffe, York University

4:30 Brij Maharaj*, School of Agriculture, Earth and Environmental Sciences; *Durban and the Forfeiture of the 2022 Commonwealth Games - A Bid Won and Lost by Default*

4:50 Natalie Koch*, Syracuse University; *The geopolitics of Gulf sport sponsorship*

5:10 Jennifer Titanski-Hooper*, Francis Marion University; Lindsey Banister, PhD, Francis Marion University; *Trademarking a Movement: Colin Kaepernick, Nike, and the Commodification of Social Protests in the Sport Industry*

5:30 Michael Hawkins*, Kent State University; *'Football's coming home': National identity, immigration, soft power, and the changing face of the English national football team*

5:50 Holly Oberle*, American University in Cairo; *The Gendering of Nationalism through Sport: The Case of Women and American Football*

Wednesday-038-4:30 p.m. Society and Space lecture -- Jasbir Puar, "Spatial Debilities: Slow Life and Carceral Capitalism in Palestine" (Sponsored by Sexuality and Space Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Natalie Oswin, McGill University; Kate Derickson, University of Minnesota; Charmaine Chua, Oberlin College

CHAIR: Natalie Oswin, McGill University

4:30 Jasbir Puar*; *Spatial Debilities: Slow Life and Carceral Capitalism in Palestine*

4:50 **Discussant(s):** Lisa Bhungalia, Kent State University

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

5:10 Discussant(s): Treva Ellison, Dartmouth College
(Assistant Professor)

5:30 Introduction(s): Brian Jefferson, Assistant Professor,
University of Illinois Urbana Champaign

Wednesday-039-4:30 p.m. Studying the Police:

Interdisciplinary Conversations on Reform, Technology, and Methodology

Room: Washington 4, Marriott, Exhibition Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Emily Kaufman, University of Kentucky

CHAIR: Emily Kaufman, University of Kentucky

Introduction(s): Emily Kaufman, Student, University of Kentucky

Panelist(s): Nicole Nguyen, University of Illinois - Chicago;
Hayal Akarsu; Micol Seigel, Professor, Indiana
University; Dana Cuomo, Assistant Professor, Western
Kentucky University; Marisol Lebron, University of
Texas - Austin

Discussant(s): Jenna Loyd, Assistant Professor, University of
Wisconsin-Madison

Wednesday-040-4:30 p.m. W1_7 Telling Your Story with Esri Story Maps Apps (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Wednesday-041-4:30 p.m. Querying 'the Future of Work' II: Examining New Spaces of Work and New Ways of Working (Sponsored by Economic Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Nancy Worth, University of Waterloo; Emily Reid-
Mussion, University of Waterloo; Daniel Cockayne, University
of Waterloo

CHAIR: Daniel Cockayne, University of Waterloo

4:30 Sophia Maalsen*, The University of Sydney; *The Digital
Labour of Making a Share House "Home"*

4:50 Kiley Goyette*, University of Toronto; *'Making ends meet'
by renting homes to strangers: Historicizing Airbnb &
women's supplemental income*

5:10 Mike Dimpfl*, Duke University; *On the potential and
perils of adjunct organizing*

5:30 Katharine Mckinnon*, La Trobe University; Melissa
Kennedy, La Trobe University; *Social enterprises,
work and wellbeing: Work Integrated Social
Enterprises in the neoliberal care economy*

5:50 Dillon Mahmoudi*, University of Maryland - Baltimore
County; *Automating software production? Gender and
the new geographies of software production*

Wednesday-047-4:30 p.m. The Fulbright Experience: Sharing Faculty and Student Perspectives

Room: Balcony A, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Zia Salim, California State University - Fullerton

CHAIR: Zia Salim, California State University - Fullerton

Panelist(s): Elizabeth Chacko, Professor, The George
Washington University; Kassie Ernst, Science-Policy
Fellow, University of Tennessee; Matthew Fahrenbruch,
Graduate Research Assistant, University of Kansas;
Kramer Gillin, University of Wisconsin-Madison

Discussant(s): Stuart Aitken, Professor, San Diego State
University; Laura Schneider, Associate Professor,
Rutgers University

Wednesday-048-4:30 p.m. Leveraging Crisis and Delegating Risk: Securitized Discourses and the State (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Jessica Marter-Kenyon, University of Georgia; Karly
Miller, University of California

CHAIR: Jessica Marter-Kenyon, University of Georgia

Introduction(s): Gregory Simon, Associate Professor,
University of Colorado Denver

Panelist(s): Jessica Marter-Kenyon, University of Georgia;
Alex Colucci, Graduate Student, Kent State University;
Melanie Sommerville, Ms., Dept of Geography, UBC;
Ross Doll, University of Washington - Seattle, WA

Discussant(s): Kevin Grove, Assistant Professor, Florida
International University

Wednesday-049-4:30 p.m. Sustainable Development Goals

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Juha Uitto, Global Environment Facility

4:30 Yingshi Shang*; Shuguang Liu, Tutor; Chunyu Liu,
co-worker; *Fuzzy Evaluation on Sustainability
Performances of Selected Pacific Islands Countries*

4:50 Di Shi*, University of Kansas; Xiaojun Yang, Florida State
University; Feilin Lai, Florida State University; *Use of
Remote Sensing to Derive Indicators for Sustainable
Development Assessment in Urban Areas*

5:10 Anlu Zhang*; *The Effect of Resource-saving Policy on
Urban Areas' Total Factor Productivity Growth in the
Wuhan Metropolitan Area, China*

5:30 Liang WANG*; *Quantitative evaluation of Tibet's resources
and environmental carrying capacity: state and limitation*

5:50 Juha Uitto*, PhD, Global Environment Facility; Indran
Naidoo*, United Nations Development Programme;
*Local, national, global: Evaluative evidence of scaling
up the SDGs*

Wednesday-050-4:30 p.m. Emerging Tourism Economies: Impacts on Place and People II (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Latin America Specialty Group, Recreation, Tourism, and Sport Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Kelsey Brain, Pennsylvania State University; Karly
Miller, University of California

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

CHAIR: Karly Miller, University of California

4:30 Matthew Taylor*, University Of Denver; *You never know the impacts of tourism until it is gone: A case study from the Pacific Coast of Nicaragua*

4:50 Hanee Choi*, *Imagining Culture in Seoul via Airbnb Tourism*

5:10 Nina Roberts*, University of Illinois at Urbana-Champaign; *Tourism and Gentrification in the Land of Enchantment: The Discourses of Capital and Colonialism in Early Twentieth-Century Santa Fe, New Mexico*

5:30 **Discussant(s):** Lise Nelson, Associate Professor, Penn State University

Wednesday-051-4:30 p.m. Making the Better Teacher: Pre-Service Training and Current Teachers' Professional Development (Sponsored by Geography Education Specialty Group, Community College Affinity Group, Careers and Professional Development)

Room: Johnson, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

4:30 Daniela Schmeinck*, University of Cologne; *Inquiry learning in teacher-training - experiences and conditions for success*

4:50 Katsuhiko Oda*, Assistant Professor (Teaching), University of Southern California; *The Implementation and Assessment of Professional Development for In-service Teachers' Integrating GIS with Teaching*

5:10 Larianne Collins*, University of North Carolina at Charlotte; *Achieving long-term success for GIS classroom implementation*

5:30 Tomas Torbjornsson*, *Fieldwork in geography teacher training*

5:50 Michael Strong*, Glendale Community College; *Using Travel to Teach the World*

Wednesday-052-4:30 p.m. Physical Geography Contributes, Retrospect and Prospect (Sponsored by Routledge, Taylor & Francis Group)

Theme: Physical Geography in Environmental Science

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): George Malanson, University of Iowa

CHAIR: George Malanson, University of Iowa

Panelist(s): Carol Harden, Professor Emerita, University of Tennessee; Sheryl Luzzadder-Beach, Professor & CB Smith Fellow, University of Texas-Austin; Glen MacDonald, Distinguished Professor, University of California - Los Angeles; Richard Marston, University Distinguished Professor, Kansas State University; Julie Winkler, Professor, Michigan State University

Wednesday-053-4:30 p.m. Difficult Landscapes and Power Inequalities (Sponsored by Cultural Geography Specialty Group)

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Matthew Cook, Eastern Michigan University

CHAIR: Kimberley Kinder, University of Michigan

4:30 Julia Binder*, BTU Cottbus; *Heritage as negotiation: an approach from ANT and Assemblage Theory*

4:50 Frank HUGHES*, Binghamton University; *Situating Wilkes-Barre, PA in Space and Time: a Cultural Political Economy Approach*

5:10 Maël Le Noc*, Texas State University; Eric Sarmiento, Dr., Texas State University; *Othring and Exclusion: Jews' Experience of Public Space in Occupied Paris*

5:30 Justine Hecht*, Arizona State University; *Prison Abolition, Environmental Justice and Nonplaces*

5:50 Kimberley Kinder*, University of Michigan; *Everyday landscapes of dissent*

Wednesday-054-4:30 p.m. Novel Datasets and Methodologies in Land Systems Science (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Burak Guneralp, Texas A&M University; Hannah Gosnell, Oregon State University; Jacqueline Vadjunec, Oklahoma State University

CHAIR: Erin Bunting, Michigan State University

4:30 Richard J Aspinall*, Independent Scholar, c/o James Hutton Institute, Aberdeen, Scotland; *Data used for land change studies*

4:50 Erin Bunting*, Michigan State University; Department of Geography, Environment, and Spatial Sciences; Grant Gunn, Michigan State University; Department of Geography, Environment, and Spatial Sciences; Christian Matsoukis, Michigan State University; Remote Sensing and GIS Research and Outreach Services; *Cloud-Based Algorithm Development within Google Earth Engine to Derive Lake Ice Phenology from Sentinel-1 Data*

5:10 Michaela Buenemann*, New Mexico State University; *High spatial resolution land cover mapping of a complex urban-rural desert landscape*

5:30 Austin Boardman*, Oklahoma State University; Todd D. Fagin, PhD, Oklahoma Biological Survey, University of Oklahoma; Jacqueline M. Vadjunec, PhD, Oklahoma State University; *UAS Imagery in Participatory Research: Helping Ranchers Track Woody Plant Encroachment in the Southern Great Plains*

5:50 Clare Sullivan*, University of Wisconsin - Madison; Holly Gibbs, University of Wisconsin-Madison; Lisa Rausch, University of Wisconsin-Madison; *Clean pastures: Forest governance, landholdings and cattle in Colombia*

Wednesday-055-4:30 p.m. Modelling and Mapping Noise and Air Pollution in Cities

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Philippe Apparicio, Urbanisation Culture Société; Jeremy Gelb, INRS Urbanisation Culture Société; Matthew Adams, University of Toronto

CHAIR: Matthew Adams, University of Toronto

4:30 Philippe Apparicio*, Urbanisation Culture Société; Jérémy Gelb, INRS Urbanisation Culture Société; *Cyclists' exposure to air and noise pollution: A comparison of three North American and European Cities*

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

4:50 Vincent Jarry*, INRS Urbanisation Culture Société; Philippe Apparicio, INRS Urbanisation Culture Société; *Types of cycling infrastructure and exposure to air pollutants and noise*

5:10 Anna Shadrova*, University of Toronto; Matthew Adams, PhD, University of Toronto; *A land use regression model for long-term ground-level Ozone: An application of mobile air pollution monitoring*

5:30 Matthew Adams*, University of Toronto; Felix Massey, University of Toronto Mississauga; Calvin Cupini, Clean Air Carolina; Haseeb Malik, University of Toronto Mississauga; Karl Chastko, University of Toronto Mississauga; *Particulate Matter Air Pollution in Charlotte NC: A Land Use Regression Model based on Citizen Science Monitoring*

5:50 Jeremy Gelb*, INRS Urbanisation Culture Société; Philippe Apparicio, INRS Urbanisation Culture Société; *Noise exposure of cyclists in Ho Chi Minh City: A spatio-temporal analysis using non-linear models*

Wednesday-056-4:30 p.m. Migration and Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Sudarshana Bordoloi, Minnesota State University

4:30 Emmanuel Kyeremeh*, Godwin Arku, Dr, Western University; Ismahan Yusuf, Western University; *From Ghana to Canada, Canada to Ghana and back to Canada: Exploring Factors that leads to Re-emigration among Ghanaian immigrants in Toronto*

4:50 Yue Luo*, University At Buffalo; *Asian Immigrants' Cardiovascular Disease (CVD) situation in California*

5:10 Corinna Keeler*, University of North Carolina - Chapel Hill; *Relationships between human movement and diffusion of drug-resistant malaria in the DRC*

5:30 Vincent Kuire*, University of Toronto - Mississauga; *Mental health outcomes in later life among newcomers to Canada: the role of childhood adversity*

5:50 Sudarshana Bordoloi*, Dr., Minnesota State University; *Importance of Place and Race in Health Geographies: A Qualitative Study of Experiences in Healthcare Service Accessibility and Health Seeking Behavior among Somalis in Central Minnesota*

Wednesday-057-4:30 p.m. Settler colonial fabrications/ Fabricating settler colonialism II: Legibility, Settler Failure, and Contestation (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Sara Hughes, University of Southern California; Rhys Machold, University of Glasgow; Stepha Velednitsky, University of Wisconsin - Madison

CHAIR: Sara Hughes, University of Southern California

4:30 Takashi Yamazaki*, Osaka City University; *The spatial control of "vices" in the U.S. military outpost: value contradiction and its outcomes in settler colonialism*

4:50 Rebekah Kartal*, University of British Columbia; *Unsettling settler colonialism: a caste study in the U.S.-Mexico borderlands/occupied O'dham territory*

5:10 Kyle Willmott*, Simon Fraser University; *Making First Nations Reserves 'Investment Worthy': Transparency as Economic Device*

5:30 Valeria Sosa Garnica*, *Canary in the Coal Mine: Geographies of Disposability and Precarity in the Flint Water Crisis*

5:50 Rhys Machold*, University of Glasgow; *Settling failure, waging success: police collaboration and the international encounter*

Wednesday-058-4:30 p.m. Geohealth and Chronic Diseases

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Hoehun Ha, Auburn University - Montgomery

4:30 Varun Goel*, UNC Chapel Hill; *Water Use and Handling Changes Related to Deep Tubewell Installation in Rural Bangladesh – Potential for diarrheal risk substitution?*

4:50 Qian Yin*, *The adverse effects of fine and coarse particulate air pollution on cardiovascular and respiratory mortality in Beijing, China*

5:10 Maija Toivakka*, University of Eastern Finland, Joensuu Finland; Markku Tykkyläinen, University of Eastern Finland, Joensuu Finland; Tiina Laatikainen, University of Eastern Finland, Kuopio Finland; Joint municipal authority for North Karelia social and health services Joensuu, Finland; National Institute for Health and Welfare (THL), Helsinki, Finland; *The association of neighborhood characteristics with care outcomes among type 2 diabetes patients*

5:30 Huangui Guo*, The University of Hong Kong; *Long term exposure to PM2.5 and Trachea, Bronchus and lung cancer mortality in rural China*

5:50 Dr. Hoehun Ha*, Auburn University - Montgomery; *Lung & Bronchus Cancer Mortality Decrease with Elevation: Evidence for Oxygen as an Inhaled Carcinogen*

Wednesday-065-4:30 p.m. Authors Meet Interlocutors:**Andy Pike et al.'s 'Financialising City Statecraft and Infrastructure' (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)**

Room: Hoover, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Andy Pike, Newcastle University; John Tomaney, University College London

CHAIR: Andy Pike, Newcastle University

Panelist(s): Philip Ashton, Associate Professor, University of Illinois-Chicago; Sabine Dörry, Luxembourg Institute of Socio-Economic Research (LISER); Karen Lai, Dr, National University of Singapore; Kevin Ward, Professor, University of Manchester; Rachel Weber, University of Illinois At Chicago; Heather Whiteside, University of Waterloo; Andy Pike, Professor, Newcastle University; John Tomaney, University College London

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM**Wednesday-066-4:30 p.m. Rail Landscapes (Sponsored by Transportation Geography Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Michael Minn, Farmingdale State College

CHAIR: Michael Minn, Farmingdale State College

4:30 Tonderai Mushipe*, University of North Carolina at Charlotte; Delmelle Elizabeth, PhD, University of North Carolina at Charlotte; Isabelle Nilsson, PhD, University of North Carolina at Charlotte; Johanna Schuch, PhD, University of North Carolina at Charlotte; *Impact of Light-Rail Transit on Neighborhood Composition: Preliminary Study of Charlotte, NC*

4:50 Jaclyn Langella*, Stony Brook University; *Long Island Railroad: An Opportunity for Improvement*

5:10 Matthieu Schorung*, Université Paris-Est; *New stations and TOD in three United States Rail Corridors*

5:30 Charlotte Ruggeri*, LVMT - Paris Est Marne La Vallée; *The high-speed rail project in Los Angeles: a new metropolitan opportunity?*

5:50 Discussant(s): Andrew Goetz, Professor, University of Denver

Wednesday-067-4:30 p.m. Urban Data Science IV: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Taylor Oshan, Arizona State University

CHAIR: Taylor Oshan, Arizona State University

Discussant(s): Taylor Oshan, Arizona State University; Wei Kang, University of California - Riverside; Levi Wolf, Lecturer in Quantitative Human Geography, University of Bristol

Panelist(s): SU HAN, Post Doctoral Researcher; Ate Poorthuis, Assistant Professor, Singapore University of Technology and Design; James Cheshire, University College London; Jed Long, Western University; Daniel Fuller

Wednesday-068-4:30 p.m. "Fermented Landscapes": Perspectives on Landscape, Fermentation, and their Material and Figurative Linkages (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Colleen Myles, Texas State University

CHAIR: Colleen Myles, Texas State University

Panelist(s): Brendan Lavy, The University of Texas Rio Grande Valley; Elizabeth Yarbrough, Graduate Student; Walter Furness, Texas State University - San Marcos; Delorean Wiley, Graduate Assistant, TX State University; Paul Zunkel, Emporia State University; Mark Patterson, Professor, Kennesaw State University; Nancy Hoalst-Pullen, Professor, Kennesaw State University; Vaughn Baltzly, Texas State University Department of Philosophy; Eric Sarmiento, Dr, Texas State University - San Marcos; Christopher Holtkamp, Ass't Professor Conservation and Environmental Planning, Texas State University - San Marcos

Wednesday-069-4:30 p.m. Family, Life, and Work: Strike a Balance (Sponsored by Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Mark Revell, American Association of Geographers

Panelist(s): Debarchana Ghosh, Associate Professor, University of Connecticut; Zachary Suriano, University of Nebraska - Omaha; Lisa Brownell, Geographer, Ohio Development Services Agency; Weronika Kusek, Assistant Professor, Northern Michigan University

Discussant(s): Mario Mighty, Dr., University of North Alabama

Wednesday-070-4:30 p.m. Should I Hire a Geographer or a Computer Scientist for this Job? (Sponsored by Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Coline Dony

CHAIR: Coline Dony

Wednesday-072-4:30 p.m. Hurricanes III: Paleotempestology

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR: Kam-Biu Liu, Louisiana State University

4:30 Harry Williams*, Professor, University of North Texas; Kam-biu Liu, Department of Oceanography and Coastal Sciences, Louisiana State University, Baton Rouge, Louisiana 70803, USA; *Hurricane Harvey Flood Sedimentation in Southeastern Texas Coastal Marshes*

4:50 Joanne Muller*, Florida Gulf Coast University; *Florida Paleotempestology Records*

5:10 Qiang Yao*, Louisiana State University; Kam-biu Liu, Louisiana State University; Kehui Xu, Louisiana State University; *Multi-proxy record of coastal wetland development and hurricanes in the Louisiana Chenier Plain since the mid-Holocene*

Wednesday-073-4:30 p.m. Climate Change and a New Economic Geography of Tourism (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Dimitri Ioannides, Mid-Sweden University; Keith Debbage, University of North Carolina At Greensboro

CHAIR: Keith Debbage, University of North Carolina At Greensboro

Introduction(s): Keith Debbage, Dr., University of North Carolina At Greensboro

Panelist(s): Manuela Gutberlet, German University of Technology in Oman; Winston Chow, Assistant Professor, National University of Singapore; Adam Keul, Associate Professor of Tourism Management and Policy, Plymouth State University; David Perkins, Assistant Professor, Missouri State University; Szilvia Gyimothy; Dimitri Ioannides, Professor, Mid-Sweden University

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

Wednesday-074-4:30 p.m. Satellite Remote Sensing of Global Environmental Changes

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Dongdong Wang

CHAIR: Dongdong Wang

4:30 Li Lin*, CSISS, George Mason University; Liping Di, CSISS, George Mason University; Eugene Yu, CSISS, George Mason University; Junmei Tang, CSISS, George Mason University; Chen Zhang, CSISS, George Mason University; Zhenyu Tan, CSISS, George Mason University; Md Shahinoor Rahman, CSISS, George Mason University; Haoteng Zhao, CSISS, George Mason University; *Building Near-Real-Time MODIS Data Fusion Workflow to Support Agricultural Decision-making Applications*

4:50 Lei Ji*, ASRC InuTeq, contractor to USGS EROS Center; Gabriel B. Senay2, USGS EROS Center; Naga Manohar Velpuri, ASRC InuTeq, contractor to USGS EROS Center; Stefanie Kagone, SGT, contractor to USGS EROS Center; *Evaluating the temperature difference (dT) parameter in the SSEBop model with satellite observed land surface temperature data*

5:10 Lee Ann Nolan*, West Virginia University; Aaron Maxwell, West Virginia University; Tim Warner, West Virginia University; *The Effect of Satellite Imagery's Spatial Resolution on Shrub Land Cover Classification and Habitat Metrics in the Eastern United States*

5:30 Dongdong Wang*, Shunlin Liang, University of Maryland; *New global high-resolution products of incident shortwave radiation and photosynthetically active radiation from MODIS*

Wednesday-081-4:30 p.m. Economic Geography V - Skills, Jobs, Employment and Mobility (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Peter Kedron, Oklahoma State University

4:30 Anet Weterings*, PBL Netherlands Environmental Assessment Agency; *Spatial variation in early career employment security: the match between educational field and local labour market*

4:50 Frank Van Oort*, Utrecht University; Diede Teunissen, Erasmus University Rotterdam; Anet Weterings, Netherlands Environmental Assessment Agency (PBL); *Regional Skill-relatedness and the survival and growth of plants in the Netherlands (2005-2015)*

5:10 Rikard Eriksson*, Umea University; Martin Henning, Gothenburg University; *Regional patterns of job polarization: The case of Sweden*

5:30 Therese Danley*, Umeå University; *Employment growth paths in a mature industry: Skill complementarities in manufacturing in Sweden*

5:50 Frank Van Der Wouden*, Kellogg School of Management; David Rigby, University of California, Los Angeles; *Inventor Mobility and Productivity: A Long-Run Perspective*

Wednesday-082-4:30 p.m. GORABS 11th Annual Guest Lecture - Ruby Anniversary Year (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Directors Room, Omni, West (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): David Butler, Department of Geography, University College Cork (UCC)

CHAIR: David Butler, Department of Geography, University College Cork (UCC)

Introduction(s): David Butler, Academic Director (IARC), Department of Geography, University College Cork (UCC)

Discussant(s): Elizabeth Olson, Professor and Chair, UNC-Chapel Hill; Peter Hopkins, Newcastle University

Wednesday-083-4:30 p.m. Resurgent Nationalism: Politics of the Nation, Past and Present (Sponsored by Political Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Steven Radil, University of Idaho

CHAIR: Steven Radil, University of Idaho

4:30 David Russell*, University of Idaho; *The New Anglo-Saxons: Race, Place, and the Production of a Geopolitical Discourse*

4:50 Dustin Tsai*, UC Davis Geography Graduate Group; *Playing the Victim: How Post-War Nationalists Utilize Victimhood Narratives in Bosnia, Serbia, and Croatia*

5:10 Caylee Christensen*, University of Nebraska-Lincoln; *Deconstructing "Français de souche": An Exploration of French National Identity and Rhetorical Strategy Among French Far-Right Groups*

5:30 Discussant(s): Steven Radil, Assistant Professor, University of Idaho

Wednesday-084-4:30 p.m. Theorizing the Just City in the Era of Climate Change (3) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Urban Geography Specialty Group)

Room: Executive Room, Omni, West (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Jennifer Rice, University of Georgia; Anthony Levenda, Arizona State University

CHAIR: Joshua Long, Southwestern University

Panelist(s): Robin Leichenko, Dr., Rutgers University; Harriet Bulkeley, Dr., University of Durham; Jennifer Rice, Dr., University of Georgia; Jennie Stephens, Professor of Sustainability Science and Policy, Northeastern University; Kian Goh, UCLA

Wednesday-086-4:30 p.m. Picturing Power 5: Innovative Visual Methods in Critical Geography (Sponsored by Cultural Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Melody Lynch, University of Melbourne; Noelani Eidse, McGill University

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

CHAIR: Melody Lynch, University of Melbourne

4:30 Margarida Queiros*, Universidade de Lisboa, IGOT/CEG; Collective Aleph, Universidade de Lisboa, IGOT (Ana Rita Santos, Andrés Barreno Lalama, André Ribeiro, Emanuella Vieira, Katielle Susane Silva, Margarida Queirós); *Mobility and Permanence in Public Space. Narratives of University Students With Different Self-Determination of Gender and Sexual Orientation*

4:50 James Dickinson*, Rider University; *Picturing Progress and Decline: Photography and the Interpretation of Industrial Landscapes*

5:10 N.C. Christopher Couch*, University of Massachusetts - Amherst; *Irish Immigrant Neighborhoods in American Comic Strips*

5:30 Gregory Berger*, Facultad de Artes, Universidad Autónoma del Estado de Morelos; *The Impact of Epic Hollywood Film on Organizers of the Movement of Deportees and Returnees in Mexico City's "Little L.A."*

5:50 **Discussant(s):** Heather Rosenfeld, University of Wisconsin - Madison

Wednesday-087-4:30 p.m. GIScience and Hazards in the Era of Big Data (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Bandana Kar, Oak Ridge National Laboratory

CHAIR: Bandana Kar, Oak Ridge National Laboratory

4:30 Thomas Allen*, Old Dominion University; *Sea Level Rise Science and Geodesign for Coastal Resilience: A Case Study in Hampton Roads, Virginia*

4:50 Volodymyr Mihunov*, Louisiana State University; Nina Lam, Louisiana State University; *Dynamics of the Community Resilience to Drought Hazard in the South-Central United States*

5:10 Armita Kar*, Graduate Assistant, Department of Geography, University of Utah; Thomas J Cova, Professor, Department of Geography, University of Utah; *Vehicular Route Modelling for Safe Travel during Urban Flooding*

5:30 Michael Hodgson*, University of South Carolina; Zhenlong Li, University of South Carolina; Silvia Elena Piovan, University of Padova-Italy; Caglar Koylu, University of Iowa; *Language and Twitter-based Social Media During Disaster Events*

5:50 Bandana Kar*, Oak Ridge National Laboratory; Olufemi A. Omitaomu, Oak Ridge National Laboratory; Susan Kotikot, Oak Ridge National Laboratory; Caleb Robinson, Georgia Tech University; Fernando Runte, Sam Houston State University; *Evaluating the Effectiveness of VIIRS Day-Night Band Data for Power Outage Impact Assessment*

Wednesday-088-4:30 p.m. Author Meets Critics: Detain and Deport: The Chaotic US Immigration Enforcement Regime by Nancy Hiemstra

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Panel)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Kate Coddington, University at Albany

CHAIR: Kate Coddington, University at Albany

Panelist(s): Patricia Ehrkamp, Dr., University of Kentucky; Richard Wright, Orvil Dryfoos Professor of Public Affairs, Dartmouth College; Rebecca Torres, Associate Professor, University of Texas at Austin

Discussant(s): Reece Jones, University of Hawaii at Manoa; Nancy Hiemstra, Assistant Professor, Stony Brook University

Wednesday-089-4:30 p.m. 5. Population Specialty Group: Urban population analysis (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

4:30 Darryl Cohen*, U.S. Census Bureau; *Mapping Population Data at the U.S. Census Bureau*

4:50 Tuuli Toivonen*, University of Helsinki, Digital Geography Lab; Vuokko Heikinheimo, University of Helsinki, Digital Geography Lab; Claudia Bergroth, University of Helsinki, Digital Geography Lab; Henrikki Tenkanen, University of Helsinki, Digital Geography Lab; Olle Järv, University of Helsinki, Digital Geography Lab; *Comparing big data sources for estimating dynamic population patterns in urban areas*

5:10 Tunagga Khan*, GMU; Andreas Zufle, GMU; Dieter Pfoser, GMU; Olga Gkoutouna, GMU; *Population Dynamics in the Washington D.C. Metropolitan Area*

5:30 Lauryn Bragg*, Oak Ridge National Laboratory; *Leveraging Qualitative Data in Developing Population Density Estimates for Cemeteries*

5:50 Ruiqi Li*, College of Information Science and Technology, Beijing University of Chemical Technology; H. Eugene Stanley, Boston University; *Simple Spatial Scaling Rules behind Complex Cities*

Wednesday-090-4:30 p.m. Trees in the City 5: Social Values and Ecosystem Services of the Urban Forest (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto

CHAIR: Tenley Conway, University of Toronto

4:30 Jessica Quinton*, Dalhousie University, Halifax, NS, Canada; Peter N Duinker, Dalhousie University, Halifax, NS, Canada; James Steenberg, Nova Scotia Department of Lands and Forestry, Truro, NS, Canada; Karen Gallant, Dalhousie University, Halifax, NS, Canada; John Charles, Dalhousie University, Halifax, NS, Canada; *Sociocultural values ascribed to trees in urban cemeteries in Halifax, Nova Scotia*

4:50 Sarah Becker*, Ursinus College; Patrick Hurley*, Ursinus College; *Assessing Woody Species in the Philadelphia Urban Forest: Foraging Potential Versus Actual Practices*

5:10 Mayra Ivelisse Rodriguez Gonzalez*, Graduate Research Assistant, Forestry and Natural Resources, Purdue

WEDNESDAY, April 3 • 4:30 PM - 6:10 PM

University; Brady S. Hardiman, Assistant Professor of Urban Ecology, Forestry and Natural Resources & Environmental and Ecological Engineering, Purdue University; *Provisioning and accessibility of ecosystem services along the Chicago metro-region*

5:30 Asia Dowtin*, PhD, Michigan State University; Delphis Levia, PhD, University of Delaware; Afton Clarke-Sather, PhD, University of Minnesota Duluth; *Exploring New Linkages between Spatial Variability in Metropolitan Land Use and Nutrient Cycling in the Urban Forest*

5:50 Janani Sivarajah*, Faculty of Forestry, University of Toronto; *UV radiation and urban shade trees: How much protection can they provide us?*

Wednesday-091-4:30 p.m. Geographic Research on Harmful Algae Blooms (HABs) (Sponsored by Water Resources Specialty Group, Coastal and Marine Specialty Group, Energy and Environment Specialty Group)

Room: Congressional B, Omni, West (Lightning Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Patrick Lawrence, University of Toledo

CHAIR: Patrick Lawrence, University of Toledo

4:30 Introduction(s): Patrick Lawrence, Professor, University of Toledo

4:35 Patrick Lawrence*, Professor, University of Toledo; *Geographic Research on Harmful Algae Blooms (HABs): An Overview*

4:45 Eric Kostecky*, *Addressing Harmful Algae Blooms HABs Policy Responses: Chesapeake Bay Compared to Lake Erie Western Basin*

4:55 Brinda Athreya*, *Studying the Spatial Distribution of Agricultural Best Management Practices through Geospatial Technology and Social Practice*

5:05 Rachel L Lamb*, Department of Geographical Sciences, University of Maryland, College Park; Meghan Klasic*, Geography, Center for Environmental Policy and Behavior, University of California - Davis; Vanessa Vargas-Nguyen, Marine, Estuarine, Environmental Science, University of Maryland Center for Environmental Science; Kelsey Leonard, Department of Political Science, McMaster University; *Moving from Random to Resilient: The role of watershed governance in shaping ecological restoration across Lake Erie*

5:15 Discussant(s): Abhishek Kumar, University of Georgia

5:25 Discussant(s): Robert Sirk, Professor, Austin Peay State University

Wednesday-092-4:30 p.m. Geographies of Entitled Anger: Revanchist Populism in Brazil & Beyond (2) (Sponsored by Latin America Specialty Group, Urban Geography Specialty Group, Political Geography Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Mara Nogueira, London School of Economics; Ryan Centner, London School of Economics

CHAIR: Mara Nogueira, London School of Economics

4:30 Zachary Levenson*, University of North Carolina, Greensboro; *As Above, So Below: Post-2008 Revanchist Populism as a Cross-Class Project*

4:50 Jennifer Tucker*, University of New Mexico; *Territories of populism: Dispatches from Latin America*

5:10 Robert Samet*, Union College; *The Will to Security: Populism and the Politics of Crime in Venezuela*

5:30 Veda Hyunjin Kim*, University of Massachusetts - Amherst; Can Mert Kökerer, The New School of Social Research; *A Global-Historical Approach on the Populist Reconstruction of Integral-states in South Korea and Turkey*

5:50 Discussant(s): Mara Nogueira, London School of Economics

Wednesday-093-4:30 p.m. Geography, Sociality, Aesthetics II (Sponsored by Cultural Geography Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): Jonathan Bratt, Arizona State University; Jennifer Kitson, Rowan University

CHAIR: Jonathan Bratt, Arizona State University

4:30 Emma Walcott-Wilson*, University of Tennessee; *Live Oaks and "living" memory: tour guides and interpreting aesthetics at plantation house museums in Charleston, South Carolina*

4:50 Jennifer Foster*, York University; *Aesthetic justice and urban post-industrial industrial greenspace*

5:10 Robert Flahive*, *Toward the Fortified City: Geopolitics of Urban Design in Al-Sisi's Cairo*

5:30 Antonin Margier*, Guillaume Ethier, UQAM, Montreal; *Aestheticisation of public space as a way to manage the frontier between two neighborhoods*

Wednesday-094-4:30 p.m. Floating Life 3 ~ Buoyancy (Sponsored by Cultural Geography Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 4:30 p.m. - 6:10 p.m.

ORGANIZER(S): David Bissell, University of Melbourne; Elizabeth Straughan, University of Melbourne

CHAIR: Elizabeth Straughan, University of Melbourne

4:30 Sasha Engelmann*, Royal Holloway University; *Floating Elements, Floating Bodies*

4:50 Chan Arun-Pina*, York University; *'A Million Skies, Whose Ground?': ReDrawing the Floating Landscape of Rental Housing and Tracing the (non-)Normative Urban Crisis of Bangalore, India*

5:10 Sneha Annavarapu*, *"It is gliding, like a bird": of aspirations and inspirations on the Hyderabad metro*

5:30 Daryl Martin*, University of York; *An evanescent urbanism: Mark Cousins, film-maker of the floating world*

5:50 Peter Adey*, Royal Holloway, University of London; *A theory of levitation*

WEDNESDAY, April 3 • 6:20 PM - 8:00 PM**Wednesday-002-6:20 p.m. Opening Session and Presidential Plenary- The Intersection of Geography, Environmental Science, Human Health, and Human Rights**

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)

Time: 6:20 p.m. - 8:00 p.m.

ORGANIZER(S): Sheryl Luzzadder-Beach, University of Texas-Austin

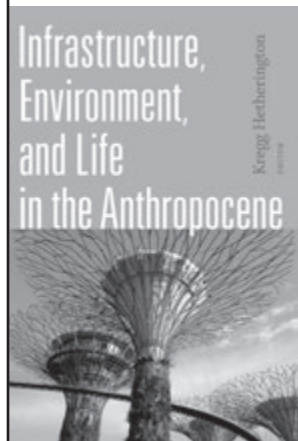
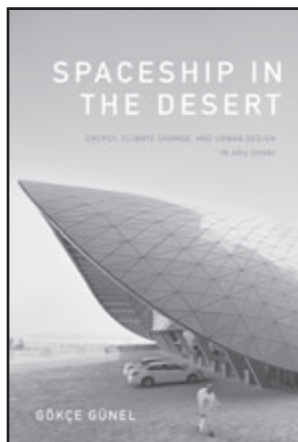
CHAIR:

Wednesday-082-6:20 p.m. Geography of Religions & Belief Systems Specialty Group Business Meeting (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Directors Room, Omni, West (Meeting)

Time: 6:20 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers



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THURSDAY

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Thursday-001-8:00 a.m. Social and Spatial Justice

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Gashawbeza Bekele, Tennessee State University

8:00 Ben Sylvester*, *Contesting the Generic Refugee: SIV Identity, Community, and Agency During Resettlement*

8:20 Christina DeCorse*, California State University - Long Beach; *Diasporic Macedonians: Transnational Communities and Identity Development*

8:40 Didier Desponds*, University of Cergy-Pontoise; *Widening of the socio-spatial divide within the Paris conurbation: long-term trend and effects of crises*

9:00 Konrad Czapiewski*, Institute of Geography and Spatial Organization Polish Academy of Sciences; Mariusz Kowalski, Institute of Geography and Spatial Organization Polish Academy of Sciences; *Kashubia (Poland) - the role of autonomous actors in social, economic and spatial justice*

9:20 Gashawbeza Bekele*, Tennessee State University; *Democratization Trajectories in 21st Century Africa*

Thursday-002-8:00 a.m. The Unconscious Before and After Freud and Lacan

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Andrew Lapworth, University of Bristol; Scott Sharpe, University of New South Wales at Canberra

CHAIR: Andrew Lapworth, University of Bristol

8:00 Andrew Lapworth*, University of Bristol; *Gilbert Simondon and the Transindividual Unconscious*

8:20 Thomas Keating*, UNSW Canberra; *From the 'Technological Unconscious' to the 'Technicity of the Subject'*

8:40 George Burdon*, University of Bristol; *Ritornellos and the temporalisation of the subject*

9:00 John-David Dewsbury*, UNSW Canberra; *"That brief instant": desire before subject*

9:20 Scott Sharpe*, University of New South Wales at Canberra; *Towards a Public Unconscious*

Thursday-003-8:00 a.m. Spatiotemporal Study: Achievements, Gaps, and Future

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Yun Li, George Mason University

CHAIR: Yun Li, George Mason University

Thursday-004-8:00 a.m. Palestine and occupation: past, present and future (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mark Griffiths, Northumbria University; Mikko Joronen, University of Tampere; Sanna Alsarghali

CHAIR: Sanna Alsarghali

8:00 Mikko Joronen*, University of Tampere; *Spaces of waiting in Palestine: stuckness, precarity, future*

8:20 Arun Saldanha*, University of Minnesota - Minneapolis; *Deleuze on Palestine: territory, exceptionalism, and the people to come*

8:40 Mark Griffiths*, Northumbria University; *Checkpoints beyond the checkpoint: the implications for women left at home*

9:00 Kathryn Medien*, *The Depo Provera Affair: Israeli Anti-Natalism & The Reproductive Infrastructure of Occupation*

9:20 Kevin Gould*, Concordia University; *Anti-colonial connections and Palestinian dispossession: Guatemala's role in the establishment of the state of Israel*

Thursday-005-8:00 a.m. Revisiting Post-Socialism for Social Change (Sponsored by Development Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Political Geography Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Wenjing Jiang, Clark University

CHAIR: Wenjing Jiang, Clark University

Introduction(s): Wenjing Jiang, Clark University

Panelist(s): Robert Kaiser, Professor, University of Wisconsin - Madison; Ferenc Gyuris, PhD, ELTE; Megan Dixon, Instructor, The College of Idaho; Michael Dwyer, PhD, University of Berne, Switzerland; Geographisches Institut; Federica Bono, Old Dominion University; Jessica Graybill, Associate Professor, Colgate University; Luke Bergmann, Associate Professor, University of British Columbia

Thursday-006-8:00 a.m. China, Tourism and (Soft) Power (1) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael O'Regan, Bournemouth University

CHAIR: Michael O'Regan, Bournemouth University

8:00 Michael O'Regan*, Bournemouth University; *Chinese 'Problem' Tourists: Governing from a Distance*

8:20 Patricia Johnson*, University of Newcastle; *The Welcoming Chinese Visitor Program: An instrument of soft power to script service-scapes for the China Market*

8:40 Jiawei Xing*, Zélia Maria de Jesus Breda, University of Aveiro, Portugal; Jorge Manuel Tavares da Silva, University of Aveiro, Portugal; *Tourism diplomacy: An instrument for the development of Chinese outbound tourism*

9:00 Huihui GAO*, PhD Candidate, Beijing Normal University; Shangyi Zhou*, Beijing Normal University; Stanley Brunn*, University of Kentucky; *Enhancing Our Understanding of Landscapes along the Silk Road Using Postage Stamps*

9:20 Marie Faulon*, Université Bordeaux-Montaigne; *Questioning social norms by travelling: an insight of Chinese Backpackers inside and outside China*

Thursday-007-8:00 a.m. Latinx Geographies 1 (Sponsored by Latinx Geographies Specialty Group, Black Geographies Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Megan Ybarra, University of Washington; Laura Pulido, University of Oregon - Eugene, OR; Juan Herrera, University of California, Los Angeles

CHAIR: Megan Ybarra, University of Washington

THURSDAY, April 4 • 8:00 AM - 9:40 AM

- 8:00** Natalie Santizo*, UCLA; *Mapping Latinx Foodways*
- 8:20** Kimberly Miranda*, Carla Osorio Veliz*, University of Oregon; *Womxn of Color in Anti-Gentrification Activism in Los Angeles*
- 8:40** Rafael Solórzano*, University of California, Los Angeles, Department of Chicana and Chicano Studies; *Now let us shift; Examining Latinx Migrant Resistance via Women of Color Feminism*
- 9:00** Madelaine Cahuas*, University of Toronto; *Black, Brown, Indigenous and Latinx: Decolonial Feminist Activism in Toronto*
- 9:20** Juan Herrera*, University of California, Los Angeles; *Anzaldúan Spatialities: Race, Space, and Difference in the Work of Gloria Anzaldúa*

Thursday-008-8:00 a.m. Historic American Landscapes I (Sponsored by Cultural Geography Specialty Group, Study of the American South Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matthew Cook, Eastern Michigan University

CHAIR: Donald Poland, Goman York Property Advisors

- 8:00** Judy Schaa*, University of Massachusetts Dartmouth; *Cultural Geographies of pre-Statehood Louisiana*
- 8:20** Richard Sambrook*, Eastern Michigan University; *French Land Claims on the Post-Colonial Frontier in Ypsilanti, Michigan's Second Oldest City*
- 8:40** Rebecca Croog*, Temple University; *Past, present, and future of agriculture in Philadelphia: from Lenape dispossession to the contemporary fight for urban food justice and land sovereignty*
- 9:00** Jacqueline Gallagher*, University of Mary Washington; *Mapping the Tours of President James Monroe, 1817-1819*
- 9:20** Donald J Poland*, PhD, Central Connecticut State University, Geography; *Unconscious Influence: Olmsted's Hartford and an Early Suburban Milieu*

Thursday-009-8:00 a.m. Promises and Pitfalls of Undergraduate Research (Sponsored by Geography Education Specialty Group, Qualitative Research Specialty Group, Undergraduate Student Affinity Group)

Room: Virginia C, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sara Jackson, Metropolitan State University of Denver; David Parr, Metropolitan State University of Denver

CHAIR: Sara Jackson, Metropolitan State University of Denver

Panelist(s): Carmen Brysch, Auburn University; Lynn Moorman, Dr., Mount Royal University; Adam Mathews, Assistant Professor, Western Michigan University; Darren Ruddell, Associate Professor, University of Southern California; David Marshall, Assistant Professor, Elon University; Emily Frazier, University of Tennessee; Haley Hampstead

Thursday-010-8:00 a.m. 2019 AAG Leadership Symposium I Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Progress (Sponsored by , Harassment-Free AAG Initiative)

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Shannon O'Lear, University of Kansas; Kenneth Foote, University of Connecticut

CHAIR: Kenneth Foote, University of Connecticut

Introduction(s): Shannon O'Lear, Professor, University of Kansas

Discussant(s): Kenneth Foote, Professor, University of Connecticut

Panelist(s): Sophonie Bazile, Ph.D. Student, UNIVERSITY OF KENTUCKY; Patricia Solís, Executive Director, Arizona State University; Sandy Wong, Assistant Professor, Florida State University; Yongmei Lu, Professor, Texas State University

Thursday-011-8:00 a.m. Developing Cyber Literacy for Geographic Information Science (Sponsored by Cyberinfrastructure Specialty Group)

Room: Delaware B, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Eric Shook, University of Minnesota; Karen Kemp, University of Southern California; Forrest Bowlick, University of Massachusetts - Amherst

CHAIR: Karen Kemp, University of Southern California

8:00 Forrest Bowlick*, University of Massachusetts - Amherst; *Consider the GIS Programming Course: Trends and Patterns in the Integration of Computer Science and Programming*

8:20 David Cowen*, Professor Emeritus, University Of South Carolina; *GIS Maturity Models in Higher Education*

8:40 Coline Dony*, *Encoding Geography to build capacity for inclusive computational thinking in geography education*

9:00 Eric Shook*, Assistant Professor, University of Minnesota; *Developing Cyber Literacy for GIScience Ideas and Strategies*

9:20 Jennifer N Swift*, PhD, GISP, University of Southern California; *Teaching Programming in GIScience: Challenges and Opportunities*

Thursday-012-8:00 a.m. Geographies of the Pluriverse I

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Stephanie Wakefield, Eugene Lang College; Ulrich Oslender, FIU; Alexander Huezo, Florida International University

CHAIR: Ulrich Oslender, FIU

8:00 Ilaria Giglioli*, University of California - Berkeley; *Beyond colonial coexistence. Pluriversal challenges to Fortress Europe.*

8:20 Mark Jackson*, University of Bristol; *Pluriversality and the problem of critique: ecology, care, and the work of thought*

8:40 Ned Wilbur*, University of Minnesota; *Ancient Human Remains and Translation across Ontological Worlds*

9:00 Alexander Huezo*, Florida International University; *The Legal Dimensions of the Pluriverse: Socio-environmental Justice & Restitution for Rural Ethnic Communities*

9:20 Discussant(s): Stephanie Wakefield, Eugene Lang College

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Thursday-016-8:00 a.m. Economic Transformation and Disruption in the U.S. and E.U.

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Barbara Hahn, Wurzburg University

8:00 Matte Hartog*, *Structural transformation of the American economy*

8:20 Sungwoong Choi*, SUNY at Buffalo; *The Uneven Decline of U.S. Manufacturing Jobs*

8:40 Matthew McKay*, Geographer, University of Florida; *Changing Economic Geography of Southern New England's "Tobacco Valley": Challenges in the 21st Century*

9:00 Kenneth Johnson*, SUNY-Oneonta; *Structural and Policy Reforms for the European Union*

9:20 Barbara Hahn*, Wurzburg University; *Disruption of U.S. - European Union Trade Relations*

Thursday-017-8:00 a.m. Critical Geographies of Education: Why bother with Educational Technologies? (Sponsored by Digital Geographies Specialty Group, Geography Education Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Siobhán McPhee, University of British Columbia; Nina Hewitt, University of British Columbia

CHAIR: Siobhán McPhee, University of British Columbia

8:00 Ricardo Nogueira*, Lecturer, Georgia State University; *Using Technology to Enhance Students' Engagement in a Large Classroom*

8:20 Amber Ignatius*, Ph.D., University of North Georgia; *Application of Geospatial Technologies in Higher Education: Promoting Interactive Experiential Learning*

8:40 Nina Hewitt*, University of British Columbia; *Ecosystem Education with Augmented Reality: Value-Added Learning or Student Disengagement?*

9:00 Discussant(s): Siobhán McPhee, University of British Columbia

9:20 Aaron Adams*, New Mexico State University; *A Comparative Usability Assessment of Augmented Reality 3-D Printed Terrain Models and 2-D Topographic Maps*

Thursday-018-8:00 a.m. Nepal and Himalayan Geographies: Driving the debate on sustainability, disaster and infrastructure SESSION 1 (Sponsored by Asian Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Galen Murton, James Madison University; Katharine Rankin, University of Toronto

CHAIR: Galen Murton, James Madison University

8:00 Parveen Chhetri*, California State University Dominguez Hills; *How treelines from the Nepal Himalaya are responding to climate change?*

8:20 Rajesh Bista*, University of North Carolina at Chapel Hill; Conghe Song, University of North Carolina at Chapel Hill; *Crop Raiding from Community Forestry to Agriculture in the Mid Hills of Nepal: Implications to Community Forestry Sustainability*

8:40 Dhananjaya Katju*, Texas A&M University; *An unquiet countryside: Power networks, legislation, institutions, and environmental governance in the Manas Tiger Reserve (Assam, India)*

9:00 Rajiv Ghimire*, School for Future of Innovation in Society, Arizona State University; Netra Chhetri, School for Future of Innovation in Society, Arizona State University; *Translation of Climate Smart Agriculture from global narratives to local realities: Lessons from Nepal Himalayas*

9:20 Milan Shrestha*, Arizona State University; Alton Byers, University of Colorado, Boulder; *Glacial Floods, Infrastructures, and Sustainability in the Sagarmatha (Mt. Everest) National Park and Buffer Zone, Nepal*

Thursday-019-8:00 a.m. South-South Solidarities: Convergences and Ruptures in Theory and Politics (Sponsored by Black Geographies Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Christopher Courtheyn, Universidad del Rosario; Ahsan Kamal, University of North Carolina - Chapel Hill; Kiran Asher, University of Massachusetts, Amherst, MA

CHAIR: Christopher Courtheyn, Universidad del Rosario

8:00 Ahsan Kamal*, University of North Carolina - Chapel Hill; Christopher Courtheyn, Universidad del Rosario, Bogotá, Colombia; *Where is the North when theory travels across the South?*

8:20 Sara H. Smith*, Associate Professor, University of North Carolina; Pavithra Vasudevan, University of Texas at Austin; *Decolonize the future!*

8:40 Alex Werth*, University of California - Berkeley; Erin McElroy*, University of California - Santa Cruz; *Deracinated Disposessions: On the Foreclosures of Gentrification Theory in Oakland, CA*

9:00 Angela Arias Zapata*, New York University; *Otherness in the Global South: Iteration and Contention*

9:20 Kiran Asher*, University of Massachusetts, Amherst, MA; *Theorizing in (Southern) solidarity: Engaging feminisms and marxisms in anti-colonial frames*

Thursday-020-8:00 a.m. Landscape Backstories (Sponsored by Landscape Specialty Group)

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Ellen Hostetter, University of Central Arkansas; Lisa Brownell, Ohio Development Services Agency

CHAIR: Ellen Hostetter, University of Central Arkansas

8:00 Matthew Liesch*, Central Michigan University; Jacob Kain, AICP, City of Mount Pleasant, MI; *Suburban Sprawl to Overlay to Form-Based Code: Challenges Faced in Retrofitting Automobile-Dependent Commercial Corridor Land Uses in a College Town*

8:20 Ellen Hostetter*, Associate Professor, University of Central Arkansas; *Curbside Gasoline Pumps: A Landscape Backstory*

8:40 Lisa Brownell*, Ohio Development Services Agency; *The Invisibility of Pre-Mennonite Settlement History in Mountain Lake, MN 1870-1890*

THURSDAY, April 4 • 8:00 AM - 9:40 AM

- 9:00** Anna Bierbrauer*, University of Colorado - Denver;
*Branches and Blooms: Japanese-style Gardens as an
Acceptable Expression of Identity in the American West*
- 9:20** Erin Royals*, Rutgers University; *"It's Not About Race,
It's About Safety": The Production of Racialized
Nightlife Space in Kansas City, Missouri*

**Thursday-021-8:00 a.m. CJRS 1. The Homeless and
Disadvantaged in the City**

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): John Miron, University of Toronto
CHAIR: Daniel Hammel, University of Toledo

- 8:00** Mairo Haruna*, Bayero University Kano; *Household
Poverty as an Indicator of Child Exclusion in Kano
Metropolis Nigeria*
- 8:20** Yongjiu Xia*, Anhui Jianzhu University, China;
Youqing Huang, State University of New York,
Albany, USA; *Commute Mode Choice and Time
among Displaced Low-income Residents—a Case
Study of Nanjing, China*
- 8:40** Charles Solberg*, CAMBA HomeBase; *Predicting
eviction and displacement in New York City*
- 9:00** Daniel Hammel*, University of Toledo; Isabelle Nilsson,
University of North Carolina Charlotte; *The Geography
of Low and Moderate Income Home Purchase Lending*

**Thursday-022-8:00 a.m. Untapped: Fresh Voices in Water
Resources Geography 1 (Sponsored by Water
Resources Specialty Group)**

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): Jacob Petersen-Perlman, University of Arizona - Water
Resources Research Center, Tucson, AZ
CHAIR: Jacob Petersen-Perlman, University of Arizona - Water Resources
Research Center, Tucson, AZ

- 8:00** Shaneica Lester*, The University of the West Indies;
*Supplying Water to the City: Advancing a socio-
technical and socio-political understanding of
vulnerabilities within the water supply system of
Kingston, Jamaica*
- 8:20** Bethani Turley*, West Virginia University; *Residents'
perspectives on water quality and unconventional oil
and gas extraction in Northwest West Virginia*
- 8:40** Julia Quaicoe*, University of Cape Coast, Ghana; Richard
Adade, Centre for Coastal Management, University of
Cape Coast, Ghana; Laud Alfred Dei, L.A., Department
of Geography and Regional Planning, University of
Cape Coast, Ghana; *Bankline Dynamics of the Lower
Kakum River in the Central Region, Ghana.*
- 9:00** Ramzi Tubbeh*, Pennsylvania State University; *Contested
water entitlements, livelihoods and land use: integrated
water resources management along Peru's engineered
Colca-Siguas watershed*
- 9:20** **Discussant(s):** Jacob Petersen-Perlman, University
of Arizona - Water Resources Research Center,
Tucson, AZ

**Thursday-023-8:00 a.m. The Food – Water – Energy Nexus
in an Urban Context (Sponsored by Energy and
Environment Specialty Group, Urban Geography
Specialty Group, Spatial Analysis and Modeling
Specialty Group)**

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): Olga Wilhelmi
CHAIR: Jochen Wendel, European Institute for Energy Research

- 8:00** Christopher Scott*, University of Arizona - Udall
Center for Studies in Public Policy; Tamee Albrecht,
University of Arizona; Arica Crootof, University of
Montana Western; *Integrating Water, Energy, and Food
Securities in the 'Urban Century'*
- 8:20** Olga Wilhelmi*, National Center for Atmospheric
Research; Andrea Sarzynski, University of Delaware;
Wojciech Goszczyński, Nicolaus Copernicus
University; Michał Wróblewski, Nicolaus Copernicus
University; Iulian Nichersu, Danube Delta National
Institute; Raluca Bozagievi, Danube Delta National
Institute; Mari Tye, NCAR; Paige Hoel, NCAR; Pia
Laborgne, EIFER; Jochen Wendel, EIFER; *Building
capacity for integrated governance at the Food-Water-
Energy-nexus*
- 8:40** Monika Heyder*, European Institute for Energy
Research; Enrique Kremers, European Institute for
Energy Research; Pia Laborgne, European Institute
for Energy Research; Andrea Sarzynski, University of
Delaware; Krzysztof Ślebioda, PZR; Olga Wilhelmi,
NCAR; *Conceptual framework on Participatory
Modelling in the Water Energy Food Nexus project
"Creating interfaces"*
- 9:00** Fortino Acosta*, IE, MLA, University of Nevada - Las
Vegas; Steffen Lehmann, PhD, AADipl, AIA, RIBA,
RAIA, AoU, Directortimes of UNLV School of
Architecture; *How the Water-Food-Energy Nexus
contributes to planning for environmental resilience
and enables integrated urban design solutions*

**Thursday-024-8:00 a.m. Geographies of Waste: Dispositions,
Transformations, Contradictions I**

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): Kevin Martyn, University of South Florida
CHAIR: Kevin Martyn, University of South Florida

- 8:00** Ahyun Song*, Seoul National University; *Understanding
the Territoriality of a Locally Unwanted Facility: The
Case of the Boramae Waste Transfer Station, 1986-2016*
- 8:20** Olalekan Olanrewaju*, University of Lagos, Nigeria;
Akinlabi Oluyemi Akintuyi, University of Lagos;
Peter Elias, University of Lagos, Nigeria; Emmanuel
Omenayam Ashibuogwu, University of Ibadan,
Nigeria; *An Application Of GIS To The Assessment of
Waste Infrastructure.*
- 8:40** Ogunleye-Adetona Comfort*, Educational Institution;
Antwi Kwabina Barima, Professor, University of
Cape Coast, Ghana; *Recycling of Solid Waste in Accra
Metropolis: a Panacea to Solid waste Management
in Ghana.*
- 9:00** Isnardon Manuel*, Université de Lorraine; Michel
Deshaies, Lorraine University; *The radioactive waste
storage project in northeastern France: an opportunity
to develop the territory?*

THURSDAY, April 4 • 8:00 AM - 9:40 AM

9:20 Kevin Martyn*, University of South Florida; *The messy geographies of waste in a Sun Belt city*

Thursday-025-8:00 a.m. Nuclear Geographies I: Between the spectacular and the banal (Sponsored by Historical Geography Specialty Group, Energy and Environment Specialty Group)

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jonathan Luedee, University of British Columbia; James Rhatigan, University of British Columbia

CHAIR: James Rhatigan, University of British Columbia

8:00 Patrick Schukalla*; *Becoming the 'nuclear front-end' – Tracking Uranium in Tanzania*

8:20 Ian Percel*, University of Calgary; Joyce Percel, University of Calgary; *Separation of Scales Arguments in Nuclear Energy Economics and the Failure to Account for Environmental Racism*

8:40 Targol Mesbah*, California Institute of Integral Studies; *Linking Multiple Sites of Radioactive Contamination: Scientific Indeterminacy and Alternative Media*

9:00 LuLing Osofsky*, University of California - Santa Cruz; Key MacFarlane*, University of California - Santa Cruz; *Nuclear in Miniature: Atomic Tourism in New Mexico*

9:20 Marissa Bell*, University At Buffalo; *The Banality of Consent Through Process in Nuclear Waste Siting in Ontario, Canada*

Thursday-026-8:00 a.m. Mixed Drinks: Geographies of Wine, Beer, and Spirits (I) (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Colleen Myles, Texas State University; Mark Patterson, Kennesaw State University

CHAIR: Colleen Myles, Texas State University

8:00 Roger Picton*; *Learning to Craft: Integrating Fieldwork into the Human Geography Curriculum*

8:20 Delorean Wiley*, TX State University; Colleen Myles*, Ph.D., Texas State University; Alexander Savelyev, Ph.D., Texas State University; Paepin Goff, Texas State University; *Virtual Pub Crawl: Methods in beer geography*

8:40 Laura Lewis*, Washington State University; Aba Kiser, Washington State University; *Revitalizing a regional grain economy for craft brewing and distilling in the Pacific Northwest*

9:00 Richard Deal*, Edinboro University of Pennsylvania; *A Comparison of Nineteenth and Twenty-first Century Brewery Distribution within Cities*

9:20 Joshua Merced*, University of North Carolina - Greensboro; *Liberating Libations: Decolonizing Beer in the U.S. South*

Thursday-027-8:00 a.m. Nystrom Award

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

8:00 Discussant(s): Katherine Hankins, Associate Professor, Georgia State University

8:10 Discussant(s): Daniel Trudeau, Professor, Macalester College

8:20 Discussant(s): Sally Horn, Professor, University Of Tennessee

8:30 Taylor Oshan*, University of Maryland, College Park; *Potential and pitfalls of big transport data for spatial interaction models of urban mobility*

8:50 Pronoy Rai*, Portland State University; *Seasonal Masculinities: Seasonal Labor Migration and Masculinities in Rural Western India*

9:10 Chuyuan Wang*, Postdoctoral Research Scholar, Arizona State University; Soe W. Myint, Arizona State University; Zhihua Wang, Arizona State University; David M. Hondula, Arizona State University; Anthony J. Brazel, Arizona State University; *Predicting and Understanding Urban Outdoor Water Use in a Desert City — A Case Study of the Phoenix Metropolitan Area, Arizona*

Thursday-028-8:00 a.m. Perspectives on Local and Regional Planning

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): George Pomeroy, Shippensburg University

CHAIR: Debnath Mookherjee, Western Washington University

8:00 Steven Burg, Shippensburg University; Angela Cuthbert, Millersville University; George Pomeroy*, Professor, Shippensburg University; *Inventory and Analysis of Historic Preservation Ordinances in Pennsylvania Municipalities*

8:16 Sudhir Thakur*, California State University Sacramento; *Contributions of Indo-American Research to Indian Geography: A Content Analysis*

8:33 Christopher Cusack*, Professor, Keene State College; *Inequalities of Microgeographies: A Neighborhood Analysis of Urban Environments*

8:49 Patricia Newdeck*, Shippensburg University; Claire A Jantz, Phd, Center for Land Use and Sustainability at Shippensburg University; *Empowering Land Use and Conservation Planning with Story Maps*

9:06 Kate Rigot*, University of Colorado Denver; *BIDs, Revanchism, Urban Design, and Dog Parks in Denver*

9:23 John Benhart*, Indiana University Of Pennsylvania; Deepa Srinivasan, AICP, CFM, Vision Planning & Consulting LLC; *Spatial Methodology for Analysis of Flood Hazard Vulnerability of Historic Structures: in Pilot Pennsylvania Counties*

Thursday-031-8:00 a.m. Geographies of Sexualities from a Southern Perspective: Sub-Saharan African Propositions and Critiques (Sponsored by Sexuality and Space Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Andrew Tucker, African Centre for Cities

CHAIR: Andrew Tucker, African Centre for Cities

8:00 Andrew Tucker*, African Centre for Cities; *Homonationalism and human rights in sub-Saharan Africa: critical reflections to enable stronger transnational solidarity*

8:20 Neil Hassan*, African Centre for Cities; Ashraf Kagee, Prof, Stellenbosch University; Anthea Lesch, Dr, Stellenbosch University; Anneliese De

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Wet, Stellenbosch University; Zuhayr Kafaar, Dr, Stellenbosch University; Leslie Swartz, Prof, Stellenbosch University; *Queer(y)ing clinical HIV prevention interventions: Men who have sex with men (MSM) and the development of (un)safe spaces in Cape Town, South Africa.*

8:40 Xavier Livermon*, The University of Texas at Austin; *Black Queer Space and Belonging*

9:00 Discussant(s): Stephen Legg, Prof, University of Nottingham

Thursday-032-8:00 a.m. John Odland Award (SAM student paper competition) - I (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Eric Delmelle, University of North Carolina at Charlotte

CHAIR: Eric Delmelle, University of North Carolina at Charlotte

8:00 Introduction(s): Eric Delmelle, University of North Carolina at Charlotte

8:02 Yunlei Liang*, University of Wisconsin-Madison; Song Gao, University of Wisconsin-Madison; *Optimizing Bus Stop Spacing Using a Spatial Interaction Coverage Model and the Maximal Covering Location Problem Model*

8:22 James D. Gaboardi*, Florida State University; David C. Folch, Florida State University; *A Polygon-Based Approach to Spatial Network Allocation: Optimal Facility Location Modeling and Network Analysis*

8:42 Daniel LeVine*, University of Texas - Austin; Kelley Crews, Associate Professor, University of Texas at Austin; Jennifer Miller, Associate Professor, University of Texas at Austin; *Spatial autocorrelation analyses and species distribution modeling uncover biases in citizen science engagement patterns across Texas' Blackland Prairies*

Thursday-033-8:00 a.m. Author Meets Critics: Sophie Lewis' Full Surrogacy Now: Feminism Against Family

Room: Roosevelt 3, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kai Bosworth, Brown University; Elizabeth Johnson, University of Durham

CHAIR: Elizabeth Johnson, University of Durham

Panelist(s): Alex Loftus, Dr, King's College London; Maria Fannin, Senior Lecturer, University of Bristol; William McKeithen, University of Washington; Reecia Orzeck, Assistant Professor, Illinois State University; Paul Jackson, Assistant Professor, University of Delaware; Sophie Lewis

Thursday-033.5-8:00 a.m. People and Wildfire (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jesse Minor, University of Maine - Farmington; Erana Loveless

CHAIR: Jesse Minor, University of Maine - Farmington

8:00 Jesse Minor*, Ph.D., University of Maine - Farmington; *Replacement of Dynamically Stable Fire Regimes by Euro-American Settlement*

8:10 Erana Loveless*; *How Mountain Topography Shaped Forests by Influencing Human Fire Use*

8:19 Gregory A. Pope*, Ph.D., Montclair State University; Jennifer R. Callanan, Ph.D., William Paterson University; Michael Flood, Montclair State University; Bernadette Calderon, Montclair State University; Jason Darley, MS, Tetra Tech; *Fire as a conditioner in the soil + regolith "critical zone"*

8:28 Lauren B Hendricks*, University of Oregon; Gusti Z Anshari, Universitas Tanjungpura; Daniel G Gavin, University of Oregon; *Tropical Rainforest and Shifting Cultivation: Understanding the Role of Anthropogenic Fire throughout the Late Holocene in Tropical Rainforest in West Kalimantan, Indonesia*

8:37 Michael Flood*, Montclair State University; Gregory Pope, PhD, Montclair State University; Jennifer Callanan, PhD, William Paterson University; Xiaona Li, PhD, Montclair State University; Josh Galster, PhD, Montclair State University; *Elemental Analysis of Species Specific Forest Fire Ash: A Consideration for Soil Formation and Forest Succession in a Mixed Hardwood Forest of Northern New Jersey*

8:46 Alex Shaller*, Rowan Moody, Clark University; *An Analysis of the spatial distribution of wildfires in California's history 1950-2016*

8:55 Geoffrey Johnson*, University of Oregon; *Paleofire and the science-policy interface in Pacific Northwest fire management*

9:04 Aggeliki Barberopoulou*, Adjunct Faculty, Salem State University; *Lessons learnt in the face of lacking crisis management: The fire of July 23rd, 2018 Mati, Attiki Greece*

9:13 Lilian Yang*, California State University - Long Beach; *Fire and Greenhouse Gas Emissions from a Savanna of Mali*

9:22 Tracy Whelen*, University of South Carolina; *A GIS-based Preliminary Fire Fatality Risk Assessment for Richland County, South Carolina*

9:31 Max Stiefel, University of California, Santa Barbara; Ethan Sharygin*, State of California; *Methods for estimating the population impacts of California's 2017 wildfires*

Thursday-034-8:00 a.m. Feminist Digital Geographies I: Making Spaces (Sponsored by Digital Geographies Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Agnieszka Leszczynski, Western University; Gillian Rose, University of Oxford

CHAIR: Gillian Rose, University of Oxford

8:00 Ayona Datta*, King's College London; Nabeela Ahmed, King's College London; *'Seeing' the smart safe city: Cartographies of infrastructural violence in India's urban age*

8:20 Jillian Crandall*; *Transactional Publics and Crypto-Economic Geographies in Puerto Rico*

8:40 Meghan Kelly*, University of Wisconsin-Madison; Angela Jones, United Way of Dane County; Linda Ketcham, Madison-Area Urban Ministries; Catherine D'Ignazio, Emerson College; Tanya Buckingham, University of

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Wisconsin–Madison; Robert E Roth, University of Wisconsin–Madison; *Feminist Mapmaking in Practice: Applying feminist concepts to mapping workshops for enhanced community engagement*

9:00 Vevila Dornelles*, University of Reading - UK; *To play in peace? – Gendered relations and spatial practices of homosocial space formation in online gaming*

9:20 Discussant(s): Sarah Barns, Dr., University of Western Sydney

Thursday-035-8:00 a.m. Vulnerabilities and Climate Change

Room: Roosevelt 5, Marriott, Exhibition Level (Lightning Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Rebecca Traldi

8:00 Paris Edwards*, University of Idaho; *A Water Vulnerability Index & Hotspot Map for the Columbia River Basin, USA*

8:10 Hartmut Fünfgeld*, Prof, Institute of Environmental Social Science and Geography, University of Freiburg, Schreiberstr. 20, 79098 Freiburg, Germany; Kate Lonsdale, Dr, IOD PARC, Omega Court, 362 Cemetery Road, Sheffield S11 8FT, UK; Karyn Bosomworth, Dr, Centre for Urban Research, School of Global, Urban and Social Studies, RMIT University, GPO Box 2476, Melbourne, VIC 3001, Australia; *Supporting adaptation when local capacities are in short supply*

8:20 Matt Kandel*, University of Southampton; *Building resilient livelihoods in the drylands of Africa: Considering the theoretical, methodological, and policy challenges for BRECCIA, a UK Global Challenge Research Fund (GCRF) project*

8:30 Julie Silva*, Associate Professor, University of Maryland, College Park; Michael Strong, Glendale Community College; *Feeling Out of Place: Human-Wildlife Conflict and Multidimensional Well-being in Conservation Spaces*

8:40 Christopher Emrich*, University of Central Florida; Yao Zhou, Ph.D., University of Central Florida; *Empirically Validating Disaster Impacts with Social Vulnerability Indicators*

8:50 Maram Alrehaili*, University of Florida; *Dastmerti Mapping of Storm Surge Exposure For Hurricane Michael(2018)in Bay County,Florida.*

9:00 Rebecca Traldi*, PhD Student, University of Maryland, College Park; *Outcomes of Sustainable Waste Management Initiatives - A Systematic Review*

9:10 Bryan Evans*, Rice University - Kinder Institute for Urban Research; Katherine Ensor, Rice University - Department of Statistics; Rudy Guerra, Rice University - Department of Statistics; Jie Wu, Rice University - Kinder Institute for Urban Research; Hien Le, Rice University - Children's Environmental Health Initiative; Matthew Krause*, Rice University - Kinder Institute for Urban Research; William Fulton, Rice University - Kinder Institute for Urban Research; Claire Osgood, Rice University - Children's Environmental Health Initiative; Joshua Tootoo, Rice University - Children's Environmental Health Initiative; Ruiyang Li, Rice University - Children's Environmental Health Initiative; Jean Aroom, Rice University - Fondren Library GIS/Data Center; *Hurricane Harvey: Data Preservation and Analysis for Houston's Long Term Recovery*

Thursday-036-8:00 a.m. Spatiotemporal Symposium: Social Media Credibility Analysis in Crises Management

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jingchao Yang, George Mason University

CHAIR: Jingchao Yang, George Mason University

8:00 Mark Butman*, Courage Services, Inc.; *Mapping Ebola Diffusion in East Africa: Geospatial Analysis and Social Media Monitoring*

8:20 Xujiao Wang*, Texas State University; Yihong Yuan, Texas State University; *Measuring User Activity Similarity from Location-Based Social Media: A Spatial-Temporal Approach*

8:40 Chenxiao (Atlas) Guo*, University of Wisconsin-Madison; Qunying Huang, University of Wisconsin-Madison; *Examining Spatiotemporal Pattern of Evacuation Behavior during 2017 Atlantic Hurricane Season*

Thursday-037-8:00 a.m. Racial Regimes of Property I: EXTRACTION (Sponsored by Black Geographies Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Malini Ranganathan, American University; Anne Bonds, University of Wisconsin, Milwaukee

CHAIR: Anne Bonds, University of Wisconsin, Milwaukee

8:00 Introduction(s): Malini Ranganathan, Assistant Professor, American University

8:05 Sophia Ford*, Michigan Technological University; *Mineral Property Law as Exclusion: Obfuscating Mineral Ownership*

8:23 Robin Wright*, University of Minnesota - Minneapolis; *Cows, Guns, and Pocket Constitutions: Producing a White Right to Public Lands in the West*

8:41 Danielle Purifoy*, Postdoctoral Fellow, University of North Carolina - Chapel Hill; *Creative Extraction: Black Towns in White Space*

8:59 Fernando Galeana*, Cornell University; *A Relational Comparison of Authoritarian Populism: A Perspective from a Critique of Indigenous Property Rights in Honduras*

9:17 Discussant(s): Ted Rutland, Assistant Professor, Concordia University

Thursday-038-8:00 a.m. Uneven Geographies of Electricity Capital I: Energy Justice and Electricity Development

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nikki Luke, University of Georgia; Matt Huber, Syracuse University

CHAIR: Nikki Luke, University of Georgia

8:00 Stephanie Pincetl*, Professor in Residence, UCLA; *Political Geographies of Electricity Capital Land Development and Electrification*

8:20 Mara Van Den Bold*, Clark University; *Greening energy: the politics of siting solar in Senegal*

8:40 Costanza Rampini*, San Jose State University; *Climate and energy justice in Northeast India*

9:00 Stephanie Buechler*, University of Arizona - Udall Center and Geography & Development; Karina Martinez, MA, University of Arizona; Veronica Vazquez Garcia, Dr., Colegio de Postgraduados, Montecillo, Mexico;

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Energy Justice Challenges and Scalar Dimensions of Renewable Energy Projects in Arizona, USA and Zacatecas, Mexico

- 9:20** Gareth Bryant*, University of Sydney; Rebecca Pearse, University of Sydney; *Renewable energy labour: A value-theoretic approach*

Thursday-039-8:00 a.m. Crime Geography and Crime Analysis (I)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Lin Liu, University of Cincinnati

CHAIR: Lin Liu, University of Cincinnati

- 8:00** Lin Liu*, University of Cincinnati; *Convergence Research in Crime Geography*

- 8:20** Minxuan Lan*, University of Cincinnati; Lin Liu, University of Cincinnati; Andres Mauricio Hernandez, University of Cincinnati; *Assessing the Plausible Correlation between Tweets and Crime*

- 8:40** Brittany Gilmer*, University of Alabama; Matthew Dolliver, University of Alabama; *(Care)ful Crime: Exploring Carework in the Spaces and Practices of Somali Piracy*

- 9:00** Emmanuel Mensah*, University of Cape Coast; ISAAC OBENG EBU, University of Cape Coast; *Spatio-temporal Analysis of Robberies in the Sekondi-Takoradi Metropolis of Ghana*

Thursday-040-8:00 a.m. W2_12 Compelling Cartography with ArcGIS Pro (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Thursday-041-8:00 a.m. Digital Geographies Morning Networking Session (Sponsored by Digital Geographies Specialty Group, Careers and Professional Development)

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matthew Zook, University of Kentucky

CHAIR:

Introduction(s): Meghan Cope, Professor, University of Vermont; Heather Fischer, Arizona State University; Wen Lin, Ph.D., Newcastle University; Will Payne, University of California - Berkeley; Emma Slager, University of Washington; James Thatcher, University of Washington Tacoma; Matthew Zook, Professor, University of Kentucky

THURSDAY, April 4 • 8:00 AM - 9:40 AM • Poster Sessions**Thursday-043.1-8:00 a.m. Climate Specialty Group Poster Session (Sponsored by Climate Specialty Group)**

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Christopher Underwood, University of Wisconsin-Platteville

- 002 Poster(s)** Kara Komoto*, Michigan State University; Logan Soldo, Michigan State University; Julie Winkler, Michigan State University; Martin Chilvers, Michigan State University; Kyla Dahlin, Michigan State University; Ying Tang, Michigan State University; *A Climatology of the Frequency and Duration of High Relative Humidity Events for the Lower Peninsula of Michigan*

- 003 Poster(s)** Meng-Pai Hung*, Chinese Culture University; Wei-Ting Anne Chen, National Taiwan University; Chien-Ming Wu, National Taiwan University; Pei-Ning Feng, National Taiwan University; *A New Intraseasonal Oscillation Index Based on Cloud-Sat Observed Cloud Regimes*

- 004 Poster(s)** Changmin Lee*, Seoul National University; *Improving VIIRS nighttime light imagery using Landsat-8 thermal infrared imagery for urban extent extraction*

- 005 Poster(s)** Jill Coleman*, Ball State University; Dagmar Budikova, Illinois State University; *Alaskan Blizzards: Patterns and Trends*

- 006 Poster(s)** Laura J Larocca*, Northwestern University; Yarrow L Axford, Northwestern University; Anders A Bjørk, Centre for GeoGenetics, Natural History Museum of Denmark, University of Copenhagen; *An*

Aerial View of ~100 Years of Glacier and Ice Cap Change in South Greenland

- 007 Poster(s)** LEIDI WANG*, South China Agricultural University; *An impact analysis of the surface-cloud coupled effect on TOA reflectivity using a 3D radiative transfer model*

- 008 Poster(s)** Nicholas Sokol*, University of South Carolina - Columbia; *Assessing the Spatio-Temporal Influence of Pressure Gradients on Tropical Lightning Frequency*

- 009 Poster(s)** Thomas Ballinger*, Texas State University; Saber Brasher, University of Delaware; Edward Hanna, University of Lincoln; Richard Hall, University of Lincoln; Marco Tedesco, Columbia University; Emily Greene, Texas State University; *Atlantic Arctic Ocean, atmosphere, and sea-ice controls of cold season Greenland coastal air temperatures, 1873-2013*

- 0010 Poster(s)** Walker Skeeter*, University of Delaware; Wesley Skeeter, The University of British Columbia; Brent Skeeter, Salisbury University; *Changes in Summer-to-Winter Precipitation Ratios in the United States Before and After the Onset of Global Warming*

- 011 Poster(s)** Huimin Liu*, School of Urban Design, Wuhan University, Wuhan 430072, China; Collaborative Innovation Center of Geospatial Technology, Wuhan 430079, China; Qingming Zhan, School of Urban Design, Wuhan University, Wuhan 430072, China; Collaborative Innovation Center of Geospatial Technology, Wuhan 430079, China; Chen Yang, School of Urban Design, Wuhan University, Wuhan 430072, China; Collaborative Innovation Center of Geospatial Technology, Wuhan 430079, China; Yinghui Xiao,

THURSDAY, April 4 • 8:00 AM - 9:40 AM • Poster Sessions

School of Urban Design, Wuhan University, Wuhan 430072, China; Collaborative Innovation Center of Geospatial Technology, Wuhan 430079, China; *Characterizing the heterogeneous trends of land surface temperature at a local scale using Ensemble Empirical Mode Decomposition*

012 Poster(s) Lauren Hunt*, Boise State University; Vicken Hillis, Boise State University; *Climate Change Adaptation in the West*

013 Poster(s) Aron Gayle*, Church Teachers' College; *An Exploration of Climate Change Awareness Amongst Coastal Residents in Jamaica*

014 Poster(s) Corrie Monteverde*, San Diego State University; Fernando De Sales, PhD, San Diego State University; *Climate Change Impacts on Winegrowing Regions in Southern California: From the Perspective of a Regional Climate Model*

015 Poster(s) Mizanur Rahman*, *Differentiation of Interpolation Techniques for Estimating the Spatial Distribution of Average Rainfall in Bangladesh*

016 Poster(s) PETER ADORTSE*, Salem State University; *Flood Hazard Assessment of the Coast of Ghana*

017 Poster(s) Alexander Parks*, Metropolitan State College of Denver; Cassy Cadwallader*, MSU Denver; Troy Griffin*, *Hydroclimatic impacts of climate variability in central Chile*

018 Poster(s) Erika Ornouski*, CSU Sacramento; Theron Sowers, CSU Sacramento; Amy Wagner, PhD, CSU Sacramento; *Identifying A Stable Isotopic Signature of Atmospheric River Storms Along the Sacramento Valley*

019 Poster(s) Yanan Wu*, Binghamton University; *Integration of Earth observation and in situ data for analyzing lake level change in Minnesota (1990-2016)*

020 Poster(s) Michael Davis*, Kutztown University; *Level Up! The Evolution of Environmental Themes In The Video Game Industry*

021 Poster(s) Nia Cambridge*, David Salisbury, PhD, University of Richmond; *Mapping vulnerability of island communities to climate change and globalization: a case study of Ragged Island, Bahamas*

022 Poster(s) Andrew Day*, University of Louisville; David Howarth, University of Louisville; *Modeling Climate Change Impacts on the Water Balance of a Medium-Scale Mixed-Forest Watershed, SE USA*

023 Poster(s) Emily Hanrahan*, State University College Of New York; *New York State Tornado Climatology*

024 Poster(s) Elizabeth Bailey*, Appalachian State University; Margaret Sugg, Dr., Appalachian State University; Christopher Fuhrmann, Dr., Mississippi State University; Jennifer Runkle, Dr., North Carolina State University; *Personal Sensors for Temperature Exposure Assessments: A Validation Study*

025 Poster(s) Norman Jones*, Bishop's University; *Precipitation Amounts and Variability in a Cool Climate Wine Region, southern Quebec, Canada*

026 Poster(s) Brittany Lester*, Utah State University; Peter Howe, PhD, Utah State University; *Public perceptions of the relationship between global warming and migration: an analysis of U.S. national survey data*

027 Poster(s) Hui Wang*, University of Connecticut; Scott Stephenson, University of Connecticut; *Quantifying the spatial responses of runoff change to future land use/cover change and climate change in Connecticut River Basin*

028 Poster(s) Hae Seung Sung*, Graduate Student, Georgia State University; Jeremy E Diem, Professor, Georgia State University; *Rainfall Variability in Western Uganda*

029 Poster(s) Lilian Hutchens*, University of South Carolina; Elaina Reck*, University of South Carolina; Cary J Mock, University of South Carolina; *Reconstructing Climate and Weather Extremes of California*

030 Poster(s) Sarah VanSchoick*, University of Florida/ Santa Fe College; Corene J Matyas, PhD, University of Florida; *Spatial Analysis of Rainfall Extent and Intensity Patterns in Tropical Cyclones Affecting Madagascar and Mozambique*

031 Poster(s) Ting Zhang*, Chang Xiu Cheng, Beijing Normal University; *Spatial heterogeneity of global temperature change trends and rates before and after the temperature mutation in 2003*

032 Poster(s) Manna Khan*, University of North Dakota; Christopher Atkinson, University of North Dakota; *North Dakota Spring Wheat Yield in Relation to Temperature and Precipitation*

033 Poster(s) William Baule*, Michigan State University; Jeff Andresen, Michigan State University; Amor VM Ines, Michigan State University; *Stochastic Downscaling of Projected Great Lakes Regional Climate and Implications for Maize Production and Nitrogen in Agricultural Landscapes*

034 Poster(s) Shayne O'Brien*, Texas State University; Thomas J Ballinger, Texas State University; Thomas Mote, University of Georgia; Marco Tedesco, Lamont-Doherty Earth Observatory, Columbia University; Dirk van As, Geological Survey of Denmark and Greenland; *Analysis of West Greenland multi-day surface and englacial melt events in relation to radiative and synoptic drivers, 2009-2018.*

035 Poster(s) Jennifer St. Clair*, Towson University; Todd W Moore, PhD, Towson University; *The Contribution of Specific Humidity, Convective Available Potential Energy, and Storm Relative Helicity to the Southeastward Shift in Tornado Activity*

036 Poster(s) William Goldman*, University of Tennessee Knoxville; *The Effect of Anthropogenic Land Change on Day-to-Day Temperature Variation in the American Southeast*

037 Poster(s) Sung Ping Wang*, National Taiwan Normal University; Hsang-Chun Chen*, NTNU; Ren-Jie Guo*, National Taiwan Normal University; *The effect of urban land use to urban heat island effect - cases of Taipei and Singapore*

038 Poster(s) Tate Smith*, TCU; *The Impact of Temperature Increases on Global Refugee Migration*

039 Poster(s) Christopher Elcik*, Mississippi State University; Christopher Fuhrmann, Mississippi State University; Andrew Collins, Mississippi State University; *The relationship between air mass type and pollen levels for central North Carolina from 1999 – 2012*

040 Poster(s) Stephen J. Stadler*, Oklahoma State University; J. Scott Greene, University of Oklahoma; *Tyranny of the Naysayers: Oklahoma Wind Power Development Slows*

041 Poster(s) Lauren Andersen*, GIS Lab Supervisor & Instructor, Appalachian State University; Laura Thompson, Appalachian State University; Kara Dempsey, Ph.D., Appalachian State University;

THURSDAY, April 4 • 8:00 AM - 9:40 AM • Poster Sessions

- Elizabeth Shay, Ph.D., Appalachian State University; Margaret Sugg, Ph.D., Appalachian State University; Abie Bonevac, Appalachian State University; *Understanding Key Informant Experiences and Perceptions of the 2016 Drought and Wildfires in Western North Carolina*
- 042 Poster(s)** Joshua Hodge*, Texas State University - San Marcos; *Variations in hurricane storm surge sedimentation along four transects on the southeast Texas Gulf Coast*
- 043 Poster(s)** Michael Allen*, Old Dominion University; *Virginia Precipitation Trends*
- 044 Poster(s)** Meghan McCarroll*, University of Denver; *Water literacy of "Day Zero": Learning from a South African water crisis*
- 045 Poster(s)** Corene J. Matyas*, University of Florida; Kathryn Stofer, University of Florida; Jasmeet Judge, University of Florida; Heidi Lannon, Santa Fe College; Brandan Lanman, Orlando Science Center; *Mentoring Undergraduate Student Research as Part of the NSF-IUSE Geoscience Engagement and Outreach Program: Successes and Challenges*
- 046 Poster(s)** Dongmei Chen*, University of Oregon; Patrick Bartlein, University of Oregon; Daniel Gavin, University of Oregon; Christopher Bone, University of Victoria; *Climatic niche of the mountain pine beetle during its recent range expansion in North America*
- 047 Poster(s)** Winston Chow*, National University of Singapore; Aikeen Lim, National University of Singapore; *Comparison of outdoor thermal indices in urban parks: which index is most "accurate"?*
- 048 Poster(s)** Dr. Anne-Kathrin Lindau*, Martin Luther University Halle-Wittenberg; Dr. Detlef Thürkow, Martin Luther University Halle-Wittenberg, Germany; Dr. Gerd Schmidt, Martin Luther University Halle-Wittenberg, Germany; Alina Schürmann, Martin Luther University Halle-Wittenberg, Germany; Patrick Illiger, Martin Luther University Halle-Wittenberg, Germany; *Educational Modules on Adaptation to Climate Change in Saxony-Anhalt (Germany)*
- 049 Poster(s)** Xiaohan Wang*, Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences (IEDA, CAAS); Yu'e Li, Institute of Environment and Sustainable Development in Agriculture Chinese Academy of Agricultural Sciences (IEDA, CAAS); *Response of N₂O emissions to climate changes: supply a meta-analysis*
- 050 Poster(s)** Frederick Nelson*, Michigan State University; Anna Klene, University of Montana; Jon Little, Monroe County Community College; Sally Marsh, State University of New York at Albany; Danita Redd, Moorpark College; Nikolay Shiklomanov, George Washington University; Dmitry Streletskiy, George Washington University; Heath Sandall, Sandall Photography; *The scientific and pedagogic legacies of Michael T. Walegur, 1973-2018*
- 051 Poster(s)** Darren Bryant Parnell*, Salisbury University; Craig Allen Ramseyer, Salisbury University; *An Indian Summer Climatology across the Northeast United States, 1950-2015*
- 052 Poster(s)** Stephanie Zick*, Virginia Tech; *An Object-based Approach to Model Verification in Tropical Cyclone Forecasting*
- 053 Poster(s)** Rafter Ferguson*, PhD, Union of Concerned Scientists; Marcia DeLonge, PhD, Union of Concerned Scientists; *From vulnerability to resilience in agriculture: equity, agroecology, and adaptation to climate change*
- 054 Poster(s)** M. Olivia Hubert*, University of Richmond; L. Nicole Maldonado Benites, University of Richmond; Evelyn H. Jeong, University of Richmond; Haley I. Neuenfeldt, University of Richmond; David S. Salisbury, University of Richmond; *Climate Change Impacts in the Americas: A Student-led Case Study Approach to Raise Awareness*
- 055 Poster(s)** Michala Garrison*, Frostburg State University; *The effect of climatic trends on the growing season and their correlation to greenness in the Mid-Appalachian region*
- 056 Poster(s)** Alan Black*, Southern Illinois University Edwardsville; *Precipitation-Related Vehicle Crashes under Future Climate*
- 057 Poster(s)** Sierra Taylor*, *Nocturnal Tornado Vulnerability in Tennessee Counties*
- 058 Poster(s)** Antonio Bellisario*, PhD, MSU Denver; Jason R Janke, PhD, MSU Denver; Sam Ng, PhD, MSU Denver; *Drought and climate change impacts on regional basin hydrology and agriculture in Central Chile*
- 059 Poster(s)** Christopher Hancock*, University of Denver; *Hydroclimate in the San Juan Mountain Region of Colorado*
- 060 Poster(s)** Annalise Hauser*, Gettysburg College; Rud Platt, Gettysburg College, Environmental Studies; *Yellowstone in Transition: An Analysis of the Potential Impacts of Climate Change on Fire Regimes and Post Fire Regeneration of Forested Areas*
- 061 Poster(s)** Lindsay King*, Oklahoma State University; *Examining Tornado Vulnerability and Index Validation in Oklahoma Using Components of the Social Vulnerability Index*
- 062 Poster(s)** Omon Obarein*, Kent State University; Amobichukwu Chukwudi Amanambu, University of Florida; *Rainfall timing: variation, characteristics, coherence, and interrelationships in Nigeria*
- 063 Poster(s)** Stephen Young*, Salem State University; Kristen Thiebault, Salem State University; *Snow cover change and its relationship with land surface temperature and vegetation in northeastern North America from 2000-2017*
- 064 Poster(s)** Taylor Perez*, Boston University; Christopher Gaulin, Boston University; James G. Baldwin, PhD, Boston University; *Climate Change Vulnerability of US Military Installations*
- 065 Poster(s)** Weili Duan*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Yaning Chen, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Zhi Li, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Gonghuan Fang, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; *Climate change and human activities exacerbate trans-boundary water stress in the Aral Sea Basin, Central Asia*
- 066 Poster(s)** Brittany Bondi*, Gettysburg College; Salma Monani, PhD., Gettysburg College; Sarah

THURSDAY, April 4 • 8:00 AM - 9:40 AM • Poster Sessions

Principato, PhD., Gettysburg College; Christopher Barlett, PhD., Gettysburg College; *How Can Environmental Film Affect Audience Climate Change Belief, Concern, and Behavior?*

067 Poster(s) Samantha Eley*, Union of Concerned

Scientists; Marcia DeLonge, PhD, M.S., Union of Concerned Scientists; Rafter Ferguson, PhD, M.S., Union of Concerned Scientists; *Policy Proposals to Build Soil Health and Combat Climate Change: A Federal and 50-State Landscape Analysis*

068 Poster(s) Noel Healy (1), Associate Professor Department of Geography, Salem State University, MA, US.;

Geoffrey Supran (1), Research Scholar, Department of the History of Science, Harvard University, MA, US.; Johh Cook, Research Assistant Professor, Center for Climate Change Communication, George Mason University, VA, US.; Ploy Achakulwisut, Postdoctoral Scientist, Milken Institute School of Public Health, George Washington University, Washington, DC, US.; Georgia Piggot, Staff Scientist, Stockholm Environment Institute US, Seattle, WA, US.; Pete Erickson, Senior Scientist, Stockholm Environment Institute US, Seattle, WA, USA; Lucie Jechova*, B. Sc. Candidate, Department of Geography, Salem State University, MA, US.; Ugochi Iwuji*, M.Sc. Candidate, Department of Geography, Salem State University, MA, US; *Supply-side climate policies: The overlooked climate policy "toolkit"*

069 Poster(s) Karly Schmidt-Simard*, University of North Carolina - Chapel Hill; Erika K. Wise, University of North Carolina - Chapel Hill; Adam Csank, University of Nevada, Reno; Stephanie McAfee, University of Nevada, Reno; *Quantifying differences in Pacific Northwest storm tracks using oxygen isotopes and back-trajectory modeling*

070 Poster(s) Craig Ramseyer*, Salisbury University; Paul W Miller, Louisiana State University; *A Climatology of the Trade Wind Inversion in the Caribbean*

071 Poster(s) Megan Porter*, Ms., University of Tennessee; Dr. Kelsey Ellis, University of Tennessee; Dr. Lisa Reyes Mason, University of Tennessee; *Convective Mode and Communication in Tennessee: Tornado Warning Challenges for Forecasting within the National Weather Service*

072 Poster(s) Jillian Stephens*, John Frye*, University of Wisconsin-Whitewater; *Precipitation Changes and Variance in the Great Lakes Region*

073 Poster(s) Nicholas Cuba*, Brown University; *Spatial-Temporal Dynamics of Shortfast Ice in Ummannaq Bay, Greenland and implications for local cultural and livelihood practices*

074 Poster(s) Rylin A McGee*, University of Richmond; *Transportation Infrastructure in Russia's changing Arctic*

075 Poster(s) Adam Burnett*, Colgate University; *Has the frequency of large single day Great Lake-effect snowfall events changed in recent years?*

076 Poster(s) Henrick Gordon*, University of West Georgia; Leanna Rose*, University of West Georgia - Carrollton, GA; *Investigating the spatial characteristics of regional extremes in the southeastern United States as related to large scale climate features*

077 Poster(s) Mahnoor Khan*, University of Maryland; *Land Cover Change in Southern California*

078 Poster(s) Sasha Keams*, *Migration Medicine: How Shifting Woodlands Affect Navajo Health*

079 Poster(s) Morgan Steckler*, University of Tennessee; Kelsey Ellis, PhD, University of Tennessee; *Movement of lifetime maximum intensity locations during the North Atlantic hurricane season*

080 Poster(s) Paul Miller*, University of Georgia; Thomas Mote, University of Georgia; Abhishek Kumar, University of Georgia; Deepak Mishra, University of Georgia; Flavia Dias de Souza Moraes, University of Georgia; *Systematic Precipitation Changes Following a Strong Hurricane Landfall*

081 Poster(s) Emily P. Harris*, University of West Florida, Department of Earth and Environmental Sciences; Jason T. Ortengren, Ph.D., University of West Florida, Department of Earth and Environmental Sciences; *A Climatology of Single-Day Rapid Drought Cessation Events Across the Southwestern United States*

082 Poster(s) Steven J. Gordon*, Associate Professor, US Air Force Academy; Frederick B. Chambers, University of Colorado - Denver; *Observations of vertical heat flux in basalt, Hawaii Volcanoes National Park, Hawaii, USA*

083 Poster(s) Brent C Hedquist*, PhD, Texas A&M University-Kingsville; John Davenport, PhD, Missouri Southern State University; Jim Norwine, PhD, Texas A&M University System; *Culture-Shift Meets Climate Change in the Early Anthropocene*

084 Poster(s) Danika Mosher*, Graduate Student, East Tennessee State University; Monica Yeliss Ayala, Graduate Student, East Tennessee State University; April D. Bledsoe, Graduate Student, East Tennessee State University; Mitchell S Ogden, Graduate Student, East Tennessee State University; T. Andrew Joyner, Assistant Professor, East Tennessee State University; Ingrid E. Luffman, Assistant Professor, East Tennessee State University; *Species Distribution Modeling and Sustainable Agroforestry: Climate Change Mitigation for Guatemalan Coffee*

085 Poster(s) Elizabeth Geesey*, Kutztown University; Michael Davis, Kutztown University Associate Professor, Department of Geography President; *Drought Effects on Flood Frequency in the Northeast United States*

086 Poster(s) Kathryn Giesa*, *Current Drought in South Africa: Causes and Implications*

087 Poster(s) Ryan Maia*, Northeastern University; *Australia and New Zealand's Climate Change Assistance Policies towards Pacific Island countries*

088 Poster(s) Angela Rienzo*, *Communicating Hurricane Risk with Virtual Reality: A Demographic Study*

089 Poster(s) Jessica August*, Rutgers University; David A. Robinson, Rutgers University; *Climatological factors impacting summer pollution concentrations in the Philadelphia metropolitan area*

090 Poster(s) Tatiana Lopez*, Jingling Li, PhD, Assistant Professor at California State University, Los Angeles; Hengchun Ye, Associate Dean of College of Natural and Social Sciences at California State University, Los Angeles; *Validating Global Precipitation Measurement against ground observations over Alaska*

091 Poster(s) Diqi Zeng*, University of Cincinnati; *The Impact of Climate change on Wildfire*

092 Poster(s) Omolola Akinola*, University of Missouri - Kansas City; Jimmy Adegoke, University of Missouri-

THURSDAY, April 4 • 8:00 AM - 9:40 AM • Poster Sessions

- Kansas City; *Wildfires and Climate Variability in the State of Missouri*
- 093 Poster(s)** Christine Hladik*, Georgia Southern University; Jacque Kelly, Georgia Southern University; *Examination of geospatial patterns of salt marsh dieback development and recovery using historical aerial photography, field data, and climatic conditions*
- 094 Poster(s)** Efraim Roxas*, Florida State University and University of the Philippines Los Banos; *Where is the Philippines spending its Climate money?*
- 095 Poster(s)** Kuishuang Feng*, Dr., University of Maryland; Adrien Vogt-Schilb, Inter-American Development Bank; Brian Walsh, Inter-American Development Bank; Klaus Hubacek, University of Maryland; *Distributional effects of carbon pricing and the role of social protection*
- 096 Poster(s)** Steven Schultze*, Dr., University of South Alabama; Jerel Foreman, University of South Alabama; Graham Crosby, University of South Alabama; Christopher Ambron, University of South Alabama; *3-Dimensional Mapping of Agricultural Microclimates within a Sub-field Level*
- 097 Poster(s)** Justin Hartnett*, *Exploring the Effects of Different Snowstorm Types on School Closings in Central New York State*
- 098 Poster(s)** Jana MacInnis*, *Potential Triggers of Jökulhlaups originating from Suicide Basin in Juneau, Alaska*
- 099 Poster(s)** Tomohiro Oda*, Universities Space Research Association/NASA Goddard; Thomas Lauvaux, Laboratoire des sciences du climat et de l'environnement, Gif sur Yvette, France; Shamil Maksyutov, Center for Global Environmental Research, National Institute for Environmental Studies, Tsukuba, Japan; Miguel Roman, Earth from Space Institute, Universities Space Research Association, Columbia, MD, USA; Zhuosen Wang, Terrestrial Information Systems Laboratory, NASA Goddard Space Flight Center, MD, USA; Sha Feng, Department of Meteorology and Atmospheric Science, Penn State, State College, PA, USA; Rostyslav Bun, Lviv Polytechnic National University, Lviv, Ukraine/WSB University, Dąbrowa Górnicza, Poland; Vitaliy Kinakh, Lviv Polytechnic National University, Lviv, Ukraine; Lesley Ott, Global Modeling and Assimilation Office, NASA Goddard Space Flight Center, Greenbelt, MD, USA; Steven Pawson, Global Modeling and Assimilation Office, NASA Goddard Space Flight Center, Greenbelt, MD, USA; *U.S. cities in the dark: Mapping human carbon dioxide emissions using observations from space*
- 0100 Poster(s)** Xiaoxuan Li*, University of Florida; *An Integrated Vulnerability Analysis: Case Studies of Tropical Storm Allison and Hurricane Harvey*
- 101 Poster(s)** Ning Zhang*, The Ohio State University; Steven Quiring, The Ohio State University; *Blending Satellite Observed, Model Simulated, and in-situ Measured Soil Moisture Using Triple Collocation*
- 102 Poster(s)** Sherry Young*, George Mason University; Barry A Klinger, PhD, George Mason University; Randolph A McBride, PhD, George Mason University; *Possible Effects of the Loop Current on Intensity and Rapid Intensification of Hurricanes in the Gulf of Mexico*

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Thursday-047-8:00 a.m. Progress in Household Water

Insecurity Experiences 1: HWISE Scale and Data (Sponsored by Water Resources Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Wendy Jepson, Texas A&M University

CHAIR: Justin Stoler, University of Miami

- 8:00** Sera Young*, Northwestern University; Godfred Boateng, Harvard University; Zeina Jamaluddine, American University of Beirut; Joshua Miller, Northwestern University; Edward Frongillo, University of South Carolina; Torsten Neilands, UCSF; Shalean Collins, Northwestern University; Amber Wutich, Arizona State University; Wendy Jepson, Texas A&M University; Justin Stoler, University of Miami; HWISE Research Coordination Network, Northwestern University; *Development & Uses of a Validated Scale to Measure Household Water Insecurity Cross-Culturally*

- 8:20** Amber Wutich*, Arizona State University; Asher Rosinger, Pennsylvania State University; Alexandra Brewis, Arizona State University; HWISE Consortium, NSF Household Water Insecurity (HWISE) Research Coordination Network (RCN); *Water Sharing: A Global Response to Water Insecurity*

- 8:40** Genny Carrillo*, MD, Sc.D., MPH, Texas A&M University School of Public Health; Wendy Jepson, Ph.D., Texas A&M University College of Geosciences; Javier Moran Martinez, Ph. D, Universidad Autonoma de Coahuila Unidad Torreon, Escuela de Medicina; Alejandra Lopez Guerrero, Universidad Autonoma de Coahuila Unidad Torreon, Escuela de Psicología; Felipe Uribe Salas, MD, Sc.D., El Colegio de la Frontera Norte, Piedras Negras, Coahuila; *Household water insecurity, seasonality, and public health challenges in urban Mexico: A cross-sectional study in Torreon*

- 9:00** Stroma Cole*, *Water Insecurity, Injustice, Gender and Tourism*

- 9:20** Chad Staddon*, University of the West of England; *Household Water Technology Preferences as Expressed in the HWISE data set*

Thursday-048-8:00 a.m. Hazards, Risks, and Disasters 1 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

THURSDAY, April 4 • 8:00 AM - 9:40 AM

CHAIR: Brian Pompeii, Christopher Newport University

8:00 Ignatius Cahyanto*, University of Louisiana at Lafayette;
Agnes Harnadi, Atmajaya University, Indonesia;
Eko Widodo, Atmajaya University, Indonesia;
*Collaborative Communicative Networks: Lessons
Learned from Indonesian Response to the 2018
Lombok Earthquake for the Tourism Industry*

8:20 Amber Silver*, Assistant Professor, SUNY - Albany; Sam
Jackson, SUNY - Albany; *The social amplification of
risk as evidenced by Twitter activity during Hurricanes
Michael and Florence*

8:40 Dan Trepal*, Michigan Technological University; Don
Lafreniere, PhD, Michigan Technological University;
*Using Historical Spatial Data Infrastructures as a Tool
for Hazard Assessment in Urban Industrial Archaeology*

9:00 Marta Blanco Castano*, Wood Plc; *Devising Creative
Strategies using GIS Tools and Open Source Data to
Enhance Tribal Hazard Mitigation Plans: The Ute
Mountain Ute Example*

9:20 Alexandra Leader*, Rochester Institute of Technology;
Brian Tomaszewski, Rochester Institute of Technology;
Madeline Wolters, Rochester Institute of Technology;
Elizabeth Wronko, Rochester Institute of Technology;
William Armington, Rochester Institute of Technology;
Sandy Wu, Rochester Institute of Technology; Joerg
Szarzynski, United Nations University; Klaus Greve,
University of Bonn; *A Geographic Information Capacity
(GIC) Profile for Disaster Risk Reduction (DRR)*

Thursday-049-8:00 a.m. Long-Term Changes in Arctic Social-Ecological Systems (Sponsored by Polar Geography Specialty Group, Cryosphere Specialty Group, Canadian Studies Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Andrey Petrov, University of Northern Iowa

CHAIR: Andrey Petrov, University of Northern Iowa

Thursday-052-8:00 a.m. The Future of Earth Observations

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Gregory Snyder, USGS; Zhuoting Wu, USGS

CHAIR: Gregory Snyder, USGS

Panelist(s): Emily Sylak-Glassman, Science and Technology
Policy Institute; Carolyn Vadrnais; Gregory Snyder,
Lidar Program Manager, USGS; Jason Gallo, Science
& Technology Policy Institute; Yusuke Kuwayama,
Resources for the Future

Thursday-053-8:00 a.m. Reproduction and Deconstruction – on the Struggle with Hegemonies in Spaces

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Lehner; Jana Pokraka, University of Duisburg-
Essen

CHAIR: Jana Pokraka, University of Duisburg-Essen

8:00 Jana Pokraka*, University of Duisburg-Essen; *Who owns
the city? An exploration and reflection of children's (re)
production of public spaces*

8:20 Ritwika Biswas*, Temple University; *"Where to go and
not go" - The exclusionary politics of urban spaces
in Kolkata*

8:40 Marya Hannun*, Georgetown University; *"An Oriental
Touch": Afghanistan and the Geographical
Imagination of Empire*

9:00 Brett Goldberg*, Arizona State University; *Architectures of
Power: Constructing and Performing Man in a World
on Fire*

9:20 Michael Lehner*, University of Duisburg-Essen; Jana
Pokraka, University of Duisburg-Essen; Inga Gryl,
University of Duisburg-Essen; *Deconstruction as a
method for map-reading (in educational contexts)*

Thursday-054-8:00 a.m. Critical Physical Geography and Agrarian Transformations I (Sponsored by Cultural and Political Ecology Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jenny Goldstein, Cornell University; Lisa Kelley,
University of Hawaii - Manoa

CHAIR: Jenny Goldstein, Cornell University

8:00 James Tyner*, Kent State University; *Agrarian
Transformations, Irrigation, and Technological
Alienation in Democratic Kampuchea*

8:20 Ryan Unks*, University of Lyon; *Access, territorialization,
and landscape change in Ilkisongo Maasai pastoralist
commons of southern Kenya*

8:40 Salvatore Engel-Di Mauro*, SUNY New Paltz; *Ecosocial
Challenges and Impacts of Urban Food Production: A
Dialectical Ecology Perspective*

9:00 Lisa Kelley*, University of Hawaii - Manoa; *Agrarian
Transformations, Flooding and Labor Mobility in
Southeast Sulawesi, Indonesia*

9:20 Discussant(s): Rebecca Lave, Associate Professor,
Indiana University

Thursday-056-8:00 a.m. Understanding and Battling Malaria in Africa

Theme: Geography, GIScience and Health: Building an International
Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: April Frake

8:00 Samuel Adu-Prah*, PhD, Sam Houston State University;
*Spatiotemporal heterogeneity of weather and climate
effect on malaria distribution in Ghana.*

8:20 Daniel Casey*; Benoit Parmentier, PhD, National Socio-
Environmental Synthesis Center; Marco Millones,
PhD, University of Mary Washington; Albert
Decatur, Mitchell Center for Sustainability Solutions,
University of Maine; Brian McGill, Mitchell Center
for Sustainability Solutions, University of Maine;
Oscar Brousse, Geography and Tourism department,
Katholieke Universiteit Leuven, Belgium; Sebastien
Dujardin, Département Géographie, Université de
Namur, Belgium; Stefanos Georganos, Département
Géosciences, Environnement et Société, Université
Libre de Bruxelles, Belgium; Matthias Demuzere,
Geography and Tourism department, Katholieke
Universiteit Leuven, Belgium; Hendrik Wouters,
Geography and Tourism department, Katholieke
Universiteit Leuven, Belgium; Sabine Vanhuyse,
Département Géosciences, Environnement et Société,

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Université Libre de Bruxelles, Belgium; Catherine Linard, Département Géographie, Université de Namur, Belgium; Jonas Van de Walle, Geography and Tourism department, Katholieke Universiteit Leuven, Belgium; Eleonore Wolff, Département Géosciences, Environnement et Société, Université Libre de Bruxelles, Belgium; Nicole Van Lipzig, Geography and Tourism department, Katholieke Universiteit Leuven, Belgium; *Do remotely sensed time-series derived indicators of environmental change contribute to urban malaria modeling*

8:40 Hana Kim*, University of Cincinnati; Andres M. Hernández, University of Cincinnati; Changjoo Kim, University of Cincinnati; Diego F. Cuadros, University of Cincinnati; *Factors Affecting the Use of Insecticide-treated Bed Nets (ITNs) Against Malaria in Sub-Saharan Africa*

9:00 April Frake*, Grivin Chipula, Lilongwe University of Agriculture and Natural Resources; Joseph Messina, Michigan State University; Edward Walker, Michigan State University; *Irrigated agriculture and Anopheles mosquitoes: examining the role of water management in mosquito production*

8:00 Qihao Weng*, Professor; Director, Ctr. for Urban & Environmental Change, Indiana State University; *Essential Urban Variables from Satellite Observations: An Introduction*

8:20 Ting Dong*, Limin Jiao, Wuhan University; *A comparative analysis of urban forms in America, Europe and China based on built-up area density distribution*

8:40 Yujia Zhang*, Xiran Zhou, Arizona State University; Michelle Stuhlmacher, Arizona State University; Wenwen Li, Arizona State University; B.L. Turner II, Arizona State University; *Parcel-level landscaping classification and spatial pattern analysis using Google Earth Engine*

9:00 Hang Li*, Indiana State University - Department of Earth and Environmental Systems; Qihao Weng, Indiana State University- Department of Earth and Environmental Systems; *Urban dynamics change detection using time series of Landsat data from 1998 to 2017*

9:20 Yanhua Xie*, SAGE, University of Wisconsin-Madison; *Temporal variations of artificial nighttime lights and their implications for urbanization in the conterminous United States, 2013-2017*

Thursday-057-8:00 a.m. Techniques and GIS for Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Zhengcong Yin

8:00 Zhizhu Lai*, *A novel robust optimization to facility location problem*

8:20 Neng Wan*, University of Utah; Dapeng Li, South Dakota State University; Lam Cho, University of Utah; David Wetter, University of Utah; *Applying mobile technologies in public health research: challenges and opportunities for geographers*

8:40 Kelly Jones*, National Socio-Environmental Synthesis Center; Shannon N Zenk, PhD, University of Illinois at Chicago; Stephen A Matthews, PhD, The Pennsylvania State University; *Operationalization of Activity Space for Measurement of Environmental Exposures*

9:00 Guillermo Douglass-Jaimes*, Pomona College; Robert Castro*, BS, UC Berkeley; Jonathan Gunasti*, Pomona College; Chloe Ortiz*, Pitzer College; Katlyn Young*, Pomona College; *Ground-truthing Address Data Using Smartphone GPS Applications for Slum Health in Rio de Janeiro, Brazil*

9:20 Zhengcong Yin*, Texas A&M University; Daniel Goldberg, Texas A&M University; *A visualization platform for Geocoding systems*

Thursday-058-8:00 a.m. Urbanization, Coastal Vulnerability, and Sustainability (I): EO-based Essential Urban Variables (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR: Yanhua Xie, University of Wisconsin

Thursday-060-8:00 a.m. Symposium on Frontiers in Geospatial Data Science: Synergizing Geospatial Data Science with Domain Applications I: Climate Science

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Jing Gao, National Center for Atmospheric Research; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Jing Gao, National Center for Atmospheric Research

8:00 Jing Gao*, University of Delaware; Brian O'Neill, University of Denver; *A Data-Driven Approach to Coordinated Long-Term Spatially-Explicit Modeling of Urban and Agricultural Land Use for Climate Impact Assessment*

8:20 Bin Zhang*, University of Iowa; Caglar Koylu, the University of Iowa; Kathleen Oberlin, Grinnell College; Barbara Eckstein, the University of Iowa; Hoeyun Kwon, the University of Iowa; *Climate change or natural cycle? Not sure, but it gets 2 hot and 2 cold 4 sure*

8:40 David Keellings*, University of Alabama; *Spatiotemporal Evolution of Heat Waves Across the United States*

9:00 Kurt Waldman*, Dept of Geography; Jordan Blekking, Indiana University; Tom Evans, University of Arizona; *Studying agricultural decision making about climate uncertainty in developing countries*

9:20 David Jaroszweski*, University of Birmingham; *Multidisciplinary requirements for future climate services for transport*

Thursday-061-8:00 a.m. Healthy Cities Development in China and the World

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison B, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Peng Gong

CHAIR:

THURSDAY, April 4 • 8:00 AM - 9:40 AM**Thursday-062-8:00 a.m. Land use and Land Cover Change I**

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Weibo Liu, Florida Atlantic University

8:00 Terry Soh1*, USGS EROS; *The next generation of land-cover projections for the conterminous United States***8:20** Heng Wan*, Mr., Virginia Polytechnic Institute & State University; Yang Shao, Dr., Virginia Polytechnic Institute & State University; *Developing multi-temporal methods for monitoring urban growth***8:40** Carolina Santos*, Joseph Messina, Ph.D., Michigan State University; *From Primary Forest to African Oil Palm: Complex Land Use and Cover Trajectories in the Northern Choco Bioregion of Colombia.***9:00** Suraj Upadhaya*, Warnell School of Forestry and Natural Resources, University of Georgia; Puneet Dwivedi, Warnell School of Forestry and Natural Resources, University of Georgia; *Impact of land use and land cover changes on the habitat quality in an agriculture-dominated watershed in southern Georgia.***9:20** Weibo Liu*, Florida Atlantic University; *Impacts of Land Use Land Cover on the Life Cycles of Thunderstorms***Thursday-063-8:00 a.m. The Role of Urban Resilience, Climate Change Adaptation, and Sustainability Planning in Disaster Risk Reduction: Session #1 (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Philip Gilbertson, Arizona State University; Sara Meerow, University of Michigan

CHAIR: Philip Gilbertson, Arizona State University

8:00 Kassie Ernst*, University of Tennessee; *Informing and evaluating disaster preparedness with urban resilience knowledge systems: What counts, what's missing, and what works?***8:20** Madeleine Parker*, UC Berkeley; *Re-settling for less? Decision-making in the post-disaster rebuilding process***8:40** Jennifer Whytlaw*, Rutgers University; *Rebuilding New Jersey: How Science and Community Engagement Improve Hazard Preparedness***9:00** Hanne Van Den Berg*, Harvard University Graduate School of Design; *Balancing equity and efficiency in adaptation to climate change: legitimacy in urban decision-making on resource allocation***9:20** Sahar Zavareh*, LMU Ludwig-Maximilians-Universität München; *Resilient Cities and Disaster Recovery***Thursday-064-8:00 a.m. Geomorphology and Physical Geography**

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Samuel Jantz

8:00 Samantha Arundel*, Center of Excellence in Geographic Information Science - U.S. Geological Survey; Gaurav Sinha, Ohio University; *An automated method for improving positional accuracy of GNIS Summit features***8:20** Michael Shouse*, Southern Illinois University Edwardsville; *Scale Dependency of Soil Depth Variability in the Cumberland Plateau***8:40** Samuel Jantz*, Lilian Pintea, PhD, The Jane Goodall Institute; Janet Nackoney, PhD, University of Maryland, College Park; *Monitoring chimpanzee habitat in western Tanzania using time-series remote-sensing and survey data***Thursday-065-8:00 a.m. Rural Land Systems and Landscapes I (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Rural Geography Specialty Group)**

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Burak Guneralp, Texas A&M University; Darla Munroe, Ohio State University; Jacqueline Vadjunec, Oklahoma State University

CHAIR: Maria Sol Ramirez Senz, Oklahoma State University

8:00 Brian M Birchler*, Oklahoma State University; Jacqueline M Vadjunec, Associate Professor of Geography, Oklahoma State University; Todd Fagin, Oklahoma Biological Survey; *Mapping the Perceptions of Vulnerability and the Effects of Technology on Fostering Resilience in America's Southern High Plains***8:20** Maria Sol Ramirez Senz*, Oklahoma State University; Jacqueline Vadjunec, Professor at Oklahoma State University; Todd Fagin, Geographical ecologist at the Oklahoma Biological Survey, University of Oklahoma; *Transboundary relationships and government communication in times of drought: An example from the Southern Great Plains***8:40** Adam T. Naito*, University of Arizona; Katharine I. Predick, University of Arizona; Steven R. Archer, University of Arizona; Philip Heilman, Southwest Watershed Research Center, U.S. Department of Agriculture-Agricultural Research Service; *Are the impacts of brush management to ecosystem services on southeastern Arizona rangelands really worth it?***9:00** Pinki Mondal*, University of Delaware; Meha Jain, University of Michigan; Deepti Singh, Washington State University; Gillian Galford, University of Vermont; Ruth DeFries, Columbia University; *The relative importance of climatic and non-climatic factors in explaining spatio-temporal variability in Indian agriculture***9:20** Christoph Bergmann*, Heidelberg University; Maike Petersen, SAI | Heidelberg University; *Charcoal production in sub-Saharan drylands: an integrative approach***Thursday-066-8:00 a.m. New Records of Paleoenvironmental Change 1 (Sponsored by Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group, Climate Specialty Group)**

Theme: Physical Geography in Environmental Science

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matthew Kerr, The University of Tennessee

CHAIR: Matthew Kerr, The University of Tennessee

8:00 Greta Wells*, University of Texas - Austin; Sheryl Luzzadder-Beach, University of Texas at Austin;

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Timothy Beach, University of Texas at Austin;
Geomorphologic and Geochronological Reconstruction of Holocene Jökulhlaups along the Hvítá River and Gullfoss Waterfall, Iceland

8:20 Albert Fulton*, Michigan State University; Catherine H. Yansa, PhD, Michigan State University;
Paleoecological Indicators of Native American Land-Use Impacts on Late Holocene Vegetation and Fire Dynamics, Western New York State, USA.

8:40 James Brey*, American Meteorological Society;
Paleogeography and Paleolimnology of the Two Creeks Warm Interval and the Younger Dryas Cold Period In Northeastern Wisconsin

9:00 Bridgette Fritz*, Liem Tran, Geography, University of Tennessee Knoxville; Sally P. Horn, Geography, University of Tennessee Knoxville; Larry McKay, Earth and Planetary Sciences, University of Tennessee Knoxville; *Creating an Enhanced Sinkhole Dataset for the Upper Tennessee River Basin*

9:20 Mathew Boehm*, Department of Geography, University of Tennessee; Sally P. Horn, Department of Geography, The University of Tennessee; Matthew T. Kerr, Department of Geography, The University of Tennessee; Steven G. Driese, Department of Geosciences, Baylor University; Chad S. Lane, Department of Earth and Ocean Science, University of North Carolina Wilmington; *Henson Branch Revisited: Holocene Environmental Dynamics in Western Tennessee*

Thursday-067-8:00 a.m. Teaching Critical Physical Geography (Sponsored by Black Geographies Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Elisabeth Sedano, University of Southern California

CHAIR: Elisabeth Sedano, University of Southern California

Discussant(s): Salvatore Engel-Di Mauro, SUNY New Paltz; Melanie Malone, University of Washington Bothell

Introduction(s): Erin Goodling

Panelist(s): Javier Arce-Nazario, Dr., UPR Cayey; Christine Biermann, Assistant Professor, University of Colorado; Christine Hawn, Postdoctoral Research Fellow, University of Maryland - Baltimore County; Elisabeth Sedano, Lecturer, University of Southern California

Thursday-068-8:00 a.m. Geography Teacher Training and Proficiency in Geography Education (Sponsored by Geography Education Specialty Group, Careers and Professional Development)

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University; Mary Curtis, University of Texas at Arlington

CHAIR: Mary Curtis, University of Texas at Arlington

8:00 Jianzhen Zhang*, College of Geography and Environmental Sciences, Zhejiang Normal University; Lingling Wang, College of Geography and Environmental Sciences, Zhejiang Normal University; Xinhua Liu, College of Geography and Environmental Sciences, Zhejiang Normal University; Zijian Xu, Institute of Education Science, Zhejiang Normal

University; KOSSOUMNA LIBA'A Natali, University of Maroua, Cameroon; *A Survey on Cameroon Pre-Service Teacher's Environmental Literacy*

8:20 Victor Salinas-Silva*, UCL Institute of Education; *What geography can tell us about teachers' practice? Networks, knowledge and expertise. A rural education case study.*

8:40 Christopher McCurley*, *The Geography Teacher: a Measurement of Self-Efficacy*

9:00 CAMELIA KANTOR*, USGIF; *Expanding and maturing a profession: Geospatial Intelligence from essentials to proficiency.*

9:20 Mary Curtis*, University of Texas at Arlington; *Powerful Geography's Place in Preparing Social Studies Educators*

Thursday-069-8:00 a.m. Alcohol and the academy (Sponsored by Political Geography Specialty Group, Graduate Student Affinity Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Natalie Koch, Syracuse University

CHAIR: Natalie Koch, Syracuse University

Introduction(s): Natalie Koch, Associate Professor, Syracuse University

Panelist(s): Michelle Ritchie, Ph.D. Candidate, Pennsylvania State University; Dana Cuomo, Assistant Professor, Western Kentucky University; Nathan Gill, Postdoctoral Researcher, USGS Pacific Island Ecosystems Research Center; Gretchen Sneegas, University of Georgia; Debanuj DasGupta, Assistant Professor, University of Connecticut; Jennifer Titanski-Hooper, Dr., Francis Marion University

Discussant(s): Lorraine Dowler, Associate Professor, Penn State University

Thursday-070-8:00 a.m. Becoming Researchers: Negotiating Emotional/Affective Entanglements during the Early Stage of Fieldwork (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group, Qualitative Research Specialty Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jonghee Caldararo, University of Kentucky; Kelsey Hanrahan

CHAIR: Jonghee Caldararo, University of Kentucky

Introduction(s): Jonghee Caldararo, PhD Candidate, University of Kentucky

Panelist(s): Kelsey Hanrahan; Dugan Meyer, University of Arizona - Geography & Development; Masami Levi, PhD, National University of Samoa; Carrie Mott, Instructor, Rutgers University

Discussant(s): Brittany Cook, Assistant Professor, University of Louisiana at Lafayette; Anna Secor, University of Kentucky

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Thursday-072-8:00 a.m. Urban Land Dynamics and Socio-economic Activities: Applications of Remote Sensing and Social Media Data in Sustainable Urban Development

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Qing Ying, University of Maryland - College Park; Cheng Fu, University of Maryland - College Park

CHAIR: Qing Ying, University of Maryland - College Park

8:00 Panshi Wang*, Matthew Hansen, University of Maryland; Chengquan Huang, University of Maryland; Eric Brown de Colstoun, NASA Goddard Space Flight Center; *Advancing urban remote sensing for sustainable urban development*

8:20 Dolores Jane Forbes*, Ph.D., U.S. Bureau Of the Census; Zhixiao Xie, Ph.D., Florida Atlantic University; *Map Comparison of Urban-Rural Models of the United States*

8:40 Qing Ying*, University of Maryland - College Park; Matthew C Hansen, UMD Geographical Sciences; Laixiang Sun, UMD Geographical Sciences; *Can bare ground gain detected by Landsat indicate the global economic changes?*

9:00 Hanbing Yang*, Li Wang, Chinese Academy of Sciences, Institute of Remote Sensing and Digital Earth, State Key Laboratory of Remote Sensing Science; Bo Yu, Key Laboratory of Digital Earth Science, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences; *Exploring the response mechanism of remote sensed images in monitoring fixed asset investment in terms of building construction*

9:20 Iryna Dronova*, University of California Berkeley; Jed Collins, University of California Berkeley; Alexi Rypinski, University of California Berkeley; Sophie Taddeo, University of California Berkeley; *Contributions of landscape structure to thermal resilience of megacities under different climatic and socioeconomic contexts*

Thursday-073-8:00 a.m. Local Governance and New Challenges in Urban Policy in a Changing World 1: Governance Networks and Local Government Reform

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Eran Razin, Hebrew University; Carlos Nunes Silva, University of Lisbon

CHAIR: Eran Razin, Hebrew University

8:00 Matthew Wargent*, University of Reading, UK; *Local governance and the private sector: the role of consultants in the English planning system*

8:20 Kane Pham*, University of Technology Sydney; *Placing local government in metropolitan reform agendas: Reshaping the Sydney Global City Region*

8:40 Eran Razin*, Hebrew University; *Inter-municipal cooperation in between voluntarism and imposition*

9:00 Carlos Nunes Silva*, Institute of Geography and Spatial Planning, University of Lisbon, Portugal; *Local Government Reforms in Angola, Cape Verde and Mozambique*

9:20 Diego Silva Ardila*, Colegio Mayor De Nuestra Senora Del Rosario; *Metropolitan governance arrangements and urban development in the Colombian system of cities*

Thursday-074-8:00 a.m. Student Paper Competition Business Geography (Sponsored by Business Geography Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Brett Lucas, City of Cheney, WA

CHAIR: Tony Hernandez, Ryerson University

8:00 Connor Reed*, University of North Texas; *The Geography of Partial-market Exits: Adopting geospatial and econometric methods to analyze U.S. department closures in 2017*

8:15 Matthew Sorenson*, University of North Texas; *Location Analysis of Lifestyle Centers: Uncovering Driving Factors Behind Site Selection of a Popular Retail Concept*

8:35 Yi (Zoey) Zhang*, University of North Carolina at Charlotte; *Application of spatial optimization techniques to the siting of fast food outlets*

8:50 Sara Tornabene*, UNC Charlotte; *North Tryon commercial landscape in Charlotte, North Carolina*

9:05 Howard Tenenbaum*, Simon Fraser University; *Does inter-jurisdictional competition result in haven states? Haven states of banking and finance in the USA.*

9:20 Lindsay Lucato*, University of Toronto - Mississauga; Laurel Besco, PhD, University of Toronto - Mississauga; *Furthering Corporate Sustainability and Corporate Social Responsibility Distinctions: A Look to Canada's Banking Institutions & Lessons to be Learned*

Thursday-080-8:00 a.m. Geographies of Resistance and Social Movements: Past Approaches, Future Directions (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Palladian, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Adam Morse, University of Oregon; Sanan Moradi, University of Oregon

CHAIR: Adam Morse, University of Oregon

Introduction(s): Adam Morse, Graduate Student, University of Oregon

Panelist(s): Sanan Moradi, Mr., University of Oregon; Jenna Christian, Ms., Pennsylvania State University; Nathaniel Sheets, CUNY Graduate Center

Discussant(s): Stuart Aitken, Professor, San Diego State University

Thursday-081-8:00 a.m. Economic Geography VI - Smart Insights Into Complexity, Quality, Diversification and Specialization (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Peter Kedron, Oklahoma State University

8:00 Zsolt Csáfordi*, Erasmus University Rotterdam; Károly Miklós Kiss, Centre for Economic and Regional Studies, Hungarian Academy of Sciences; László Lőrincz, Centre for Economic and Regional Studies, Hungarian Academy of Sciences; Balázs Lengyel, Centre for Economic and Regional Studies, Hungarian

THURSDAY, April 4 • 8:00 AM - 9:40 AM

Academy of Sciences; *Related and unrelated diversification in crisis and prosperity*

8:20 Cathrin Söllner*, University of Bremen; *Collaborating for Quality – The (in)direct impact of informal institutional distance on the quality of co-patents*

8:40 Tom Broekel*, Department of Human Geography and Spatial Planning; Lars Mewes, Leibniz University of Hannover; *Too complex to exploit? Technological complexity and economic development*

9:00 Emelie Hane-Weijman*, Department of Geography and Economic History, Umeå University; Rikard Eriksson, Professor, Department of Geography and Economic History, Umeå University; David Rigby, Professor, Geography and Statistics, UCLA; *Smart specialization and the occupation space*

9:20 Attila Varga, Regional Innovation and Entrepreneurship Research Center and Department of Economics and Econometrics, Faculty of Business and Economics, University of Pécs; Zsolt Bedő, Regional Innovation and Entrepreneurship Research Center and Department of Management Science, Faculty of Business and Economics, University of Pécs; Katalin Erdős, Regional Innovation and Entrepreneurship Research Center and Department of Economics and Econometrics, Faculty of Business and Economics, University of Pécs; Norbert Szabó*, Regional Innovation and Entrepreneurship Research Center and Department of Economics and Econometrics, Faculty of Business and Economics, University of Pécs; *Economic impact modeling in the prioritization process of smart specialization*

Thursday-082-8:00 a.m. The Geographies of Spatial Justice: Space, Scale and Territory I

Room: Directors Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Rhys Jones; Sami Moio, University of Helsinki; Apostolos Papadopoulos, Harokopio University, Department of Geography

CHAIR: Rhys Jones

8:00 Sami Moio*, University of Helsinki; *Debunking the knowledge-based economy, thinking through spatial justice: Re-working EU's territorial cohesion policies*

8:20 Frank Meyer*, Leibniz Institute for Regional Geography; Judith Miggelbrink*, TU Dresden; *"For a free Bavaria in Europe!" Mirror images of regionalism and spatial justice in contemporary Germany's Bayernpartei*

8:40 Apostolos Papadopoulos*, Harokopio University, Department of Geography; Loukia-Maria Fratsea, Harokopio University, Department of Geography; *Harnessing spatial justice in the Southern 'terrain': Regional inequalities, marginalization and social resilience in the era of austerity*

9:00 Barbara Demeterova*, PhD Candidate Danube-University Krems & Andrassy University Budapest; Tatjana Fischer, BOKU - University of Natural Resources and Life Sciences, Vienna; *The Struggle of Territorial Cohesion Policies for a Balanced Development of European Border Regions: the example of the Austrian-Czech-Hungarian-Slovak Borderland*

9:20 Discussant(s): Martin Jones, Staffordshire University

Thursday-083-8:00 a.m. Applying Open Principles in Geospatial Education to Enable the Right to Benefit from Scientific Progress

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Andy Anderson, Amherst College

CHAIR: Andy Anderson, Amherst College

Panelist(s): Chris Renschler, Prof., University at Buffalo (SUNY); Britta Ricker, Assistant Professor, University of Twente; Nina Feldman, George Washington University; John Kelly, Assistant Professor, University of Wisconsin - La Crosse; David Gibbs, World Resources Institute

Thursday-084-8:00 a.m. Author Meets Critics: Micol Seigel's Violence Work: State Power and the Limits of Police

Room: Executive Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jenna Loyd, University of Wisconsin-Madison

CHAIR: Jenna Loyd, University of Wisconsin-Madison

Introduction(s): Jenna Loyd, Assistant Professor, University of Wisconsin-Madison

Panelist(s): Tyler Wall, University of Tennessee, Knoxville; Geoffrey Boyce, University of Arizona; Lisa Bhungalia, Kent State University

Discussant(s): Mat Coleman, Ohio State University; Micol Seigel, Professor, Indiana University

Thursday-086-8:00 a.m. Urban Inequality I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Yehua Dennis Wei, University of Utah; Jan Nijman, Georgia State University

CHAIR: Jan Nijman, Georgia State University

8:00 Yehua Dennis Wei*, University of Utah; *Spatiality of Inequality in the Urban Context*

8:20 Rachel Franklin*, Professor, Newcastle University; Eric Seymour, Brown University; *The demographic dividends of decline: Population loss and inequality in U.S. counties, 1990–2010*

8:40 Bhartendu Pandey*, Yale University; *Multi-scalar and multi-dimensional urban inequalities*

9:00 Weiye Xiao*, University of Utah; Yehua Dennis Wei, University of Utah; Han Li, University of Miami; *Urban inequality in China: spatial mismatch problem in Shanghai*

9:20 Sebastien Breau*, McGill University; Kevin Managh, McGill University; Megan Wylie, McGill University; *Public transit and neighbourhood trajectories of inequality in Montreal*

Thursday-087-8:00 a.m. Collaborative, Activist, and Participatory Methods across Difference in Place-Based Struggles

Room: Forum Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Lindsay Shade, University of Kentucky

THURSDAY, April 4 • 8:00 AM - 9:40 AM

CHAIR: Lindsay Shade, University of Kentucky

8:00 Lindsay Shade*, University of Kentucky; *Multiscalar processes of community engagement in a regional study of land ownership inequality***8:20** Aron Massey*, West Liberty University; *Drones, activism and mountaintop removal mining in West Virginia***8:40** Deborah Thompson*, Berea College; *Evaluating Community-Based Participatory Research Methods in the Appalachian Land Ownership Study***9:00** Ryan Petteway*, Portland State University, OHSU-PSU School of Public Health; *Towards a Placescape Approach: Conceptual and Methodological Considerations for Decolonizing the Production of Place-Health Narratives***Thursday-088-8:00 a.m. Part I: Environmental Migration: Current Realities, Future Prospects (Sponsored by Human Dimensions of Global Change Specialty Group, Population Specialty Group)**

Room: Cabinet Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Maia Call, The National Socio-environmental Synthesis Center; Robert McLeman, Wilfrid Laurier University

CHAIR: Maia Call, The National Socio-environmental Synthesis Center

8:00 Helen Adams*, *Social-ecological migration***8:20** Bimal Paul*, Kansas State University; Munshi Rahman, University of Wisconsin, Eau Claire; Thomas Crawford, Virginia Tech University; Scott Curtis, East Carolina University; Giashuddin Miah, Bangabandhu Agricultural University, Bangladesh; Rafiqul Islam, Bangabandhu Agricultural University, Bangladesh; *Riverbank Erosion in Coastal Bangladesh: Explaining Respondents Mobility using Community Capital Framework (CCF) Model and Place Attachment Concept.***8:40** Jessica Marter-Kenyon*, University of Georgia; *Villagization as adaptation? Rwanda's imidugudu policy in the context of climate change***9:00** Bishawjit Mallick*, Technische Universität Dresden; Kimberly G. Rogers, Dr., University of Colorado, Boulder, CO, United States; Zakia Sultana, Technische Universität Dresden; *Non-migration of people at risk: environmental hazards, challenges and opportunities***9:20 Discussant(s):** Robert McLeman, Associate Professor, Wilfrid Laurier University**Thursday-089-8:00 a.m. 6. Population Specialty Group: Innovations in data I (Sponsored by Population Specialty Group)**

Room: Council Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

8:00 XiaoHang Liu*, San Francisco State University; *Areal Interpolation of Population Variables Using Parcel Data in Highly Developed Urban Environment***8:20** Luning Li*, Beijing Normal University; Qiang Li, Beijing Normal University; *A spatial-temporal analysis approach for population segmentation in open public places using Wi-Fi probe data***8:40** Zachary A. Jones*, National Geospatial-Intelligence Agency; *Dasymetric Proportionalizing Using LandScan Population Data***9:00** Nathan Trombley*, Oak Ridge Institute for Science and Education; *Using the UrbanPop Basic Demographics Package to Assess Neighborhood Characteristics: An Exploration of Charlotte's North End Smart District***Thursday-090-8:00 a.m. Urban Data Science V: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group)**

Room: Congressional A, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alex Singleton; Andrew Crooks, George Mason University; Levi Wolf, University of Bristol

CHAIR: Levi Wolf, University of Bristol

8:00 SU HAN*, Center for Geospatial Sciences, University of California at Riverside; Sergio Rey, Center for Geospatial Sciences, University of California at Riverside; Elijah Knaap, Center for Geospatial Sciences, University of California at Riverside; Wei Kang, Center for Geospatial Sciences, University of California at Riverside; Levi Wolf, Center for Geospatial Sciences, University of California at Riverside; *Adaptive Choropleth Mapper: A Web-based Tool for Synchronous Exploration of Multiple Variables at Multiple Spatial Scales***8:20** Ate Poorthuis*, Singapore University of Technology and Design; Luuc van der Zee, University of Amsterdam; Pieter Tordoir, University of Amsterdam; *A platform-based approach to urban network analysis***8:40** James Cheshire*, University College London; *Visualizing Human Dynamics in the Context of Cities***9:00** Jed Long*, University of Western Ontario; *Understanding Dynamic Spatial Behaviour using an App-based Survey***9:20** Daniel Fuller*, PhD, Memorial University of Newfoundland; Rui Zhang, PhD, University of Saskatchewan; Meghan Winters, PhD, Simon Fraser University; Yan Kestens, Université de Montréal; Kevin G Stanley, PhD, University of Saskatchewan; *Toward a Standard Feature Set for Spatial Behavior Characterization***Thursday-091-8:00 a.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Smart Cities and Urban Computing I (Sponsored by Cartography Specialty Group, Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**

Room: Congressional B, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Bandana Kar, Oak Ridge National Laboratory; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Xinyue Ye, New Jersey Institute of Technology

8:00 Junchuan Fan*, CGIS, University of Maryland; Kathleen Stewart, Center for Geospatial Information Science, University of Maryland; *Understanding human movement dynamics from different big movement data – a comparative analysis***8:20** Luyu Liu*, The Ohio State University; Harvey Miller, The Ohio State University; *Measuring and analyzing public transit transfer risk using high resolution schedule and real-time data*

THURSDAY, April 4 • 8:00 AM - 9:40 AM

8:40 Xinyue Ye*, Associate Professor, New Jersey Institute of Technology; Kelly Turner, University of California Los Angeles; Bing She, University of Michigan; *Automating parcel classification for land management*

9:00 Timothy Matisziw*, University of Missouri - Columbia; *Spatio-Temporal Decision Support for Enhancing Response to Vehicular Incidents*

9:20 Linshan Huang*, *A comparison of three types of geographical data sources in the multifractal analysis of urban morphology*

Thursday-092-8:00 a.m. Urban and Social Geography

Room: Empire Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Victoria Morckel

8:00 Ruibo Han*, University of Maryland; Hao Tang, University of Maryland; Cheng Fu, University of Maryland; *Looking at urban landscape ecology from a 3rd perspective: Interpreting Washington DC's 3D sprawl using Lidar*

8:20 Victor Pena-Guillen*, Universidad Nacional Agraria La Molina; *Influence of neighbors' attitudes on the heterogeneity of vegetation cover in parks belonging a self-build residential area in Lima*

8:40 Richard Grant*, Professor, University Of Miami; Ayse Tekel, Professor, Gazi University; *Miami's Skyline and Streets: Measuring Urban Visual Aesthetic Quality in Time and Space*

9:00 Man Qi*, Xi Chen, University of Cincinnati; *Impact of landscape patterns on different types of phosphorus in Cuyahoga Watershed, Ohio*

9:20 Victoria Morckel*, University of Michigan-Flint; Bernadette Hanlon, Ohio State University; *The Effects of the Water Crisis on Housing and Mobility in Flint, Michigan*

Thursday-093-8:00 a.m. Creative GeoVisualisation - Creative Engagements with GeoSpatial Technologies

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Philip Nicholson, University of Glasgow

CHAIR: Philip Nicholson, University of Glasgow

8:00 Introduction(s): Philip Nicholson, Dr, University of Glasgow

8:20 Wen Lin*, Ph.D., Newcastle University; *Mapping the urban condition in the digital age: map stories from Beijing, China*

8:40 Dominica Whitesell*, University of Texas - Austin; Caroline V Faria, Dr., University of Texas at Austin; *Global Intimate Mapping and Other Feminist Play With Geovisual Technologies*

9:00 Discussant(s): Jin-Kyu Jung, Associate Professor, University of Washington-Bothell

Thursday-094-8:00 a.m. Fire-driven Vegetation Change (Sponsored by Biogeography Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Lucas Harris, Pennsylvania State University; Alan Taylor, Pennsylvania State University; Anthony Zhao, The Pennsylvania State University

CHAIR: Lucas Harris, Pennsylvania State University

8:00 Tom Saladyga*, Concord University; *Appalachian coalfields pyrogeography*

8:20 Lucas Harris*, Pennsylvania State University; Alan Taylor, Pennsylvania State University; *Past forest change, patterns of post-fire tree regeneration and potential for fire-initiated forest loss at a dry forest ecotone*

8:40 Alex Marden*, University of Texas at Austin; Kelley A Crews Meyer, PhD, University of Texas at Austin; Thoralf Meyer, PhD, University of Texas at Austin; Thomas Christiansen, University of Texas at Austin; *Multi-scale spatiotemporal assessment of fire/vegetation dynamics in a savanna system*

9:00 Timothy Assal*, US Geological Survey; Collin Haffey, The Nature Conservancy; Ellis Margolis, US Geological Survey; Craig Allen, US Geological Survey; *Big fires lead to big changes in the vegetation structure of the Jemez Mountains, New Mexico*

9:20 Charles W. Lafon*, Texas A & M University; Adam T. Naito, University of Arizona; Henri D. Grissino-Mayer, University of Tennessee (retired); Sally P. Horn, University of Tennessee; Thomas A. Waldrop, US Forest Service (retired); *Changing Fire Regimes and Their Implications for Vegetation Dynamics in the Appalachian Mountains*

Thursday-095-8:00 a.m. Urban Geographies of Housing Densification: Exploring Design, Real Estate and Sustainability Agendas in Practice (1)

Room: Blue Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nicola Livingstone, UCL; Michael Short, University College London; Catalina Turcu, University College London

CHAIR: Nicola Livingstone, UCL

8:00 Introduction(s): Nicola Livingstone, UCL

8:10 Elahe Karimnia*, Researcher at KTH Royal Institute of Technology; Tigran Haas, Associate Professor at KTH Royal Institute of Technology; *Design for urban change: Making a new Kiruna*

8:30 Brian Garcia*, *The Townhouse Law: 13 Years of a densification policy in Los Angeles*

8:50 Jenni Kuoppa, University of Tampere; Niina Nieminen*, University of Turku; Sampo Ruoppila, University of Turku; Markus Laine, University of Tampere; Risto Haverinen, University of Turku; *Developing quality of densifying housing environments: exploring meaningful dwelling features from residents' perspective*

9:10 Evan Castel*, University of Toronto, Dept. of Geography; James Dunn, McMaster University; *Social cohesion in the high-rise: does density, walkability and land use matter?*

9:30 Discussant(s): Catalina Turcu, University College London

Thursday-097-8:00 a.m. GeoAI and Deep Learning Symposium: Geospatial and Spatiotemporal Ontology and Semantics I (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Capital Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Chen-Chieh Feng, Geography, National University of Singapore; Jeon-Young Kang, University of Illinois at Urbana-Champaign

CHAIR: Chen-Chieh Feng, Geography, National University of Singapore

THURSDAY, April 4 • 8:00 AM - 9:40 AM

8:00 Misa Yasumiishi*, University at Buffalo, the State University of New York; Thomas E Bittner, University at Buffalo, the State University of New York; *Utility Ontology of a Nuclear Accident: Ontological Approach to Understanding the Conceptual Structure of a Nuclear Accident*

8:20 Jason Kaufman*, Oak Ridge National Laboratory; *A Systematic Evaluation of the Use of Administrative Units in Geospatial Data Modeling*

8:40 Genevieve Reid*, McGill University; *Spatio-temporal ontologies and Indigenous concepts of space and time*

9:00 Alexandre Sorokine*, R&D Staff, Oak Ridge National Laboratory; Gautam Thakur, Oak Ridge National Laboratory; *Comparing Geographic Categories in Different Languages Using Large Volunteered Geodata*

9:20 Chen-Chieh Feng*, Geography, National University of Singapore; *Capturing relations for understanding spatial dynamics from unstructured text*

Thursday-098-8:00 a.m. Multispecies Stories of Power and Vulnerability I (Sponsored by Animal Geography Specialty Group, Cultural Geography Specialty Group)

Room: Embassy Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sharon Wilcox, University of Wisconsin; Stephanie Rutherford, Trent University

CHAIR: Stephanie Rutherford, Trent University

8:00 Stephanie Rutherford*, Associate Professor, Trent University; *Animals and the alt-right: Wolf iconography in white nationalist movements*

8:20 Sharon Wilcox*, University of Wisconsin-Madison; *Multispecies Precarity at the Boundary: Fostering a Cosmopolitics of Commonality at the U.S.-Mexico Border*

8:40 Krithika Srinivasan*, University of Edinburgh; Karen Bickerstaff, University of Exeter; *Social difference and nature: Rethinking non-materialist more-than-humanisms*

9:00 Kiethen Sutherland*, *Save the Beaver!: Local Illilowuk Knowledge and The Hudson Bay Company Conversation Efforts 1840-1940.*

9:20 Sara Maxwell*, University of North Carolina; *The Contingent Production of Justice in a Plant-and-Human Cosmopolity*

Thursday-099-8:00 a.m. Exhaustion, Endurance and Living On...I: Theorising Exhaustion

Room: Hampton Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Leila Dawney, University of Brighton, UK; Thomas Jellis, University of Oxford

CHAIR: Leila Dawney, University of Brighton, UK

8:00 Thomas Jellis*, University of Oxford; Leila Dawney, University of Brighton; *Exhaustion, endurance, and living on...*

8:20 Anna Davidson*, Dr, University of Huddersfield; *Futilities: exhausting (in)human energies*

8:40 Keith Woodward*, University of Wisconsin; *Extraction and Exhaustion*

9:00 Vanessa Weber*, Hamburg University; Laura Kemmer, Center for Metropolitan Studies, Berlin; Annika Kühn*, University of Hamburg; *Standby. Reconfiguring Modes of Endurance and Exhaustion*

9:20 Angharad Closs Stephens*, *Urban Atmospheres and Transversal Geographies*

Thursday-100-8:00 a.m. Geographies of Digital Games I (Sponsored by Digital Geographies Specialty Group, Media and Communication Geography Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nick Rush-Cooper, Newcastle University

CHAIR: Nick Rush-Cooper, Newcastle University

8:00 James Butler*, Lancaster University; Sally Bushell, Lancaster University; *From Paper to Pixel: Exploring Game Worlds to Encouraging Literacy*

8:20 Sebastian Baeza Gonzalez*, University of Manchester; *Affective Labour and the business of making games: video games development in the periphery*

8:40 Pablo Abend*, University of Siegen; *Playing Geopolitics. Challenging the Identification, Friend or Foe in a Military Simulation*

9:00 Nichlas Emmons*, Indian Land Tenure Foundation; Elizabeth LaPensée, Michigan State University; *Mapping Indigenous Sovereignty and Relationality in When Rivers Were Trails*

9:20 Peter Nelson*, Bogna Konior, Internationales Kolleg für Kulturtechnikforschung und Medienphilosophie, Bauhaus University, Weimar; *The Climate Unconscious and Computer Games*

Thursday-101-8:00 a.m. Food Sovereignty and the Geographies of Food System Change 1 (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Bryan Dale, University of Toronto; Charles Levkoe, Lakehead University

CHAIR: Bryan Dale, University of Toronto

8:00 Megan Davenport*, West Virginia University; *Buffalo Restoration on Tribal Lands is a Food Sovereignty Movement*

8:20 Beth Timmers*, *Broadening Solutions for Food Sovereignty? Evaluating the role of embedded food markets in Jamaica*

8:40 Alison Caffyn*, Cardiff University; *An unequal battle? Challenging the agricultural hegemony and capitalist food system in rural England*

9:00 Eleanor Stephenson*, McGill University; *Towards a political ecology of food insecurity in Arctic Canada*

9:20 Kristin Reynolds*, Ségolène Darly, Université Paris; *Land, Food, and Power in the Global City: Shifting Landscapes of Urban Agriculture in Paris and New York*

Thursday-102-8:00 a.m. Socioterritorial Movements in Comparative Perspective

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sam Halvorsen, Queen Mary University of London; Bernardo Fernandes, Sao Paulo State University - UNESP

CHAIR: Sam Halvorsen, Queen Mary University of London

8:00 Ana Zavala Guillen*, University of Sheffield; *Geographies of Marronage: Deterritorialisation and reterritorialisation in the Colombian Caribbean*

8:20 Ana Watson*, University of Calgary; Conny Davidsen,

THURSDAY, April 4 • 8:00 AM - 9:40 AM

- University of Calgary; *Natural Gas Extraction and Indigenous Contentious Politics: Peru's Camisea case*
- 8:40** Walter Nicholls*, Urban Planning and Public Policy, UC Irvine; *The Territorial Dynamics of Social Movements: A Case Study of Los Angeles, USA*
- 9:00** Bernardo Fernandes*, Sao Paulo State University - UNESP; *The construction of the concepts of socio-spatial and socio-territorial movements*
- 9:20** José Filho*, Universidade Federal Do Para / Federal University of Pará; *The Landless and Homeless Socioterritorial Movements in Brazil: the struggles for territory beyond dichotomies*

- 8:20** Gabriel Carrero*, University of Florida; Liang Mao, Professor, University of Florida; Robert T Walker, Professor, University of Florida; *Spatial network dynamics of soybean expansion in the Brazilian Amazon: evidence of changing the axes of exportation*
- 8:40** Lesley Johnson*; *Detection of Tropical Indigenous and Non-Indigenous Communities across the Peruvian Amazon*
- 9:00** Jordan Oestreicher*; *Land use change and emerging human health risks in the Amazon: evidence and approaches for understanding complex social-ecological-health connections*
- 9:20** Philip Fearnside*, INPA; Marcelo Augusto dos Santos Junior, MSc, Fundação Vitória Amazônica (FVA); Paulo Mauricio Lima de Alencastro Graça, PhD, Instituto Nacional de Pesquisas da Amazônia (INPA); *Brazil's Highway BR-319: Potential for deforestation on new Amazonian frontiers*

Thursday-103-8:00 a.m. Emerging Geographies of Amazonia: Lessons for a Changing World I (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jennifer Langill, McGill University; David Salisbury, University Of Richmond; Christian Abizaïd, University of Toronto

CHAIR: Christian Abizaïd, University of Toronto

- 8:00** Nora Alvarez-Berrios, U.S. Forest Service, International Institute of Tropical Forestry; Jessica L'Roe*, Middlebury College; Lisa Naughton, University of Wisconsin - Madison; *Does formalizing gold mining mitigate environmental impacts? Deforestation evidence from a decade in Tambopata*

THURSDAY, April 4 • 9:30 AM - 4:30 PM

Thursday-200-8:00 a.m. F2_1 View How Geographic Context is Added to Museum Exhibits

Room: Field Trip Departure Location (Field Trip)

Time: 9:30 a.m. - 4:30 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Thursday-001-9:55 a.m. Author Meets Critics--Capital City: Gentrification and the Real Estate State by Samuel Stein (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Cindi Katz, CUNY Graduate Center

CHAIR: Cindi Katz, CUNY Graduate Center

Introduction(s): Cindi Katz, Professor, CUNY Graduate Center

Discussant(s): Amanda Huron, Dr., University of the District of Columbia; Suleiman Osman, George Washington University; Kathe Newman, Associate Professor, Rutgers University; Elvin Wyly, University of British Columbia; Erin McElroy, University of California - Santa Cruz; Samuel Stein, CUNY Graduate Center

Thursday-003-9:55 a.m. Journal of Geography in Higher Education 2019 Annual Lecture "Internal and External Forces Influencing GIS&T in Higher Education Today" (Sponsored by Geography Education Specialty Group, Routledge, Taylor & Francis Group)

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Derek France, University of Chester

CHAIR: Derek France, University of Chester

9:55 Introduction(s): Sarah Bednarz, Professor Emerita, Texas A&M University

10:10 Diana Sinton*, UCGIS; *Internal & External Forces Influencing GIS&T in Higher Education Today*

Thursday-004-9:55 a.m. Palestine and Occupation: Past, Present and Future 2 (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mark Griffiths, Northumbria University; Mikko Joronen, University of Tampere; Sanna Alsarghali

CHAIR: Mark Griffiths, Northumbria University

9:55 Merav Amir*, Queen's University; *The Blockading of the Gaza Strip: The Making of a Futureless Dystopia*

10:15 Rabeh Morrar*, An-Najah National University; *The future of the Palestinian refugee camps: Integration using social innovation*

10:35 Sanaa Alsarghali*, *Too much, too soon? The long-lasting story of the Palestinians.*

10:55 Discussant(s): Mitch Rose, Aberystwyth University

11:15 Introduction(s): Mark Griffiths, Northumbria University

Thursday-005-9:55 a.m. Material and Territorial Entanglements Across South-South Worlds I (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Urban Geography Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Miles Kenney-Lazar, L; Wanjing Chen, University of Wisconsin-Madison

CHAIR: Miles Kenney-Lazar, National University Of Singapore

9:55 Introduction(s): Miles Kenney-Lazar, National University Of Singapore

10:00 Yifan Cai*, Clark University; *Technology Diffusion, Adaptation, and Democratization: Mobile Phones in South-South Trade*

10:15 Gustavo Oliveira*, Assistant Professor, University of California - Irvine; *Potential South-South Cooperation: Traditional Chinese medicine and a radical cooperative of donkey ranchers in Brazil*

10:30 Diego Andres Lugo Vivas*, University of Miami; *Thinking critically the concept of frontier. State re-territorialization, post-conflict agendas and the creation of a counterinsurgent frontier in the Colombian High Plains*

10:45 Jessica DiCarlo*, University of Colorado; *Infrastructural Frontiers and Belt and Road Rail Development in Laos*

11:00 Discussant(s): Emma Mawdsley, University of Cambridge

Thursday-006-9:55 a.m. Modern Day Slavery in Global Tourism Supply Chains: A Geography of Marginalization (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Joseph Cheer, Monash University; Harn Luh Sin, National University of Singapore; Jarkko Saarinen, University of Oulu

CHAIR: Jarkko Saarinen, University of Oulu

9:55 Introduction(s): Jarkko Saarinen, Professor, University of Oulu

10:05 Joseph Martin Cheer*, Wakayama University, Japan & Monash University, Australia; *Geographies of Marginalization: Modern slavery and orphanage tourism*

10:25 Kathie Carpenter*; *After the orphanage: Former residents' reflections on visitors, volunteers and orphanage tourism*

10:45 Amira Benali*, CBS; *Orphanage tourism and the business of poverty in Nepal*

11:05 Elena Dell'Agnese*, Università Di Milano-Bicocca; *Maldivian spatialities: the double border of the resort island*

11:25 Discussant(s): Harn Luh Sin, National University of Singapore

Thursday-007-9:55 a.m. Latinx Geographies 2 (Sponsored by Latinx Geographies Specialty Group, Black Geographies Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Megan Ybarra, University of Washington; Laura Pulido, University of Oregon - Eugene, OR; Juan Herrera, University of California, Los Angeles

CHAIR: Juan Herrera, University of California, Los Angeles

9:55 Oscar Gutierrez*, University of California, San Diego; *Together, We Can Move Mountains: Remembering Latinx Geographies of Environmental Justice in Southeast Los Angeles*

10:15 Marcel Brousseau*, University of Oregon; *Rutas y Personajes: Theorizing and Designing a Moralized Road Map of Trans-American Migration*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

10:35 Alana De Hinojosa*, UCLA; *El Río Grande Talks Back: The Chamizal Dispute, Settler Colonialism, & the Return of the Repressed*

10:55 Megan Ybarra*, University of Washington; *Settlers of color: Settler colonialism across Latinidades*

11:15 **Discussant(s):** Laura Pulido, Professor, University of Oregon - Eugene, OR

Discussant(s): Kenneth Foote, Professor, University of Connecticut; Patricia Solís, Executive Director, Arizona State University; Sophonie Bazile, Ph.D. Student, UNIVERSITY OF KENTUCKY; Sandy Wong, Assistant Professor, Florida State University

Introduction(s): Shannon O'Lear, Professor, University of Kansas

Panelist(s): Yongmei Lu, Professor, Texas State University

Thursday-008-9:55 a.m. Historic American Landscapes II (Sponsored by Cultural Geography Specialty Group, Study of the American South Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Matthew Cook, Eastern Michigan University

CHAIR: William Wyckoff, Montana State University

9:55 Katherine Johnson*, University of Northern Colorado; *Financial Panics and the American Road*

10:15 Jason Ridgeway*, Ph.D., United States Military Academy; *Texas on the Edge of Empire: The View from the Galveston Consulate, 1850-1899*

10:35 Kimberly Johnson Maier*, Oklahoma State University; *Shaping Contemporary Social Memories of the American West at Little House Tourist Sites*

10:55 William Wyckoff*, Montana State University; *Burnis McCloud's Neighborhood: Revisiting Denver's Five Points Community, 1940-2020*

Thursday-012-9:55 a.m. Geographies of the Pluriverse II

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Stephanie Wakefield, Eugene Lang College; Ulrich Oslender, FIU; Alexander Huezo, Florida International University

CHAIR: Stephanie Wakefield, Eugene Lang College

9:55 Ulrich Oslender*, FIU; *Geographies of the Pluriverse: Decolonial Thinking and Ontological Conflict on Colombia's Pacific Coast*

10:15 Stephanie Wakefield*, Florida International University; *Why Does the Pluriverse Sound so Uniform?*

10:35 Kevin Grove*, Florida International University; Allain Barnett, Florida International University; *Resilience in-formation: The ontopolitics of design-driven urban resilience in Miami-Dade County*

10:55 John Kendall*, University of Minnesota; *Refusing to write: A critique of 19th-century American missionary practice*

11:15 **Discussant(s):** Alexander Huezo, Florida International University

Thursday-009-9:55 a.m. Rethinking the Politics of South Asia's Infrastructures: Towards New Scalar, Methodological, and Theoretical Approaches I (Sponsored by Asian Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Yaffa Truelove, University of Colorado; Heather Bedi, Dickinson College

CHAIR: Heather Bedi, Dickinson College

9:55 Erum Haider*, Georgetown University; *Disempowered: the privatization of electricity and urban citizenship*

10:15 Saumya Vaishnav*, Pennsylvania State University; Ashwini Chitnis, Prayas (Energy Group); *A tale of two utilities: Competition and electricity distribution in Mumbai*

10:35 Elizabeth Chatterjee*, Queen Mary University of London; *Green lights, black vetoes: the subnational politics of renewable energy in India*

10:55 Heather Bedi*, Dickinson College; *"Lead the district into the light": The Politics of Solar Infrastructure in India*

11:15 Vikramaditya Thakur*; *Addressing Forced Displacement: Bureaucracy, Bhils and the Narmada Dam Project in Western India*

Thursday-016-9:55 a.m. Conceptualizing and Re-Creating Creative Economic Spaces (Sponsored by Economic Geography Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Anjan Sen, University of Delhi; Soma Sengupta, University of Delhi

CHAIR: Anjan Sen, University of Delhi

9:55 **Introduction(s):** Anjan Sen, Dr., University of Delhi

9:59 Petra Luetke*, Dr., University of Muenster, Germany; *From temporary economic practices to permanent urban structures*

10:15 Ana Vera-Martin*, Universitat Autònoma de Barcelona; Àngel Cebollada, Universitat Autònoma de Barcelona; Angels Pérez, Universitat Autònoma de Barcelona; Marc Castelló, Universitat Autònoma de Barcelona; Montserrat Pallares-Barbera, Universitat Autònoma de Barcelona; *The Role of Retailing in Inner Urban Spaces of Medium Cities in South Europe*

10:31 Ian Yeboah*, Miami University; *'World Trade Center', Accra: Production of urban space for the continued peripheral linkage of Ghana under globalization*

10:47 Amit Ittyerah*; *Parallel Highways, the Virtual and Real: The materializing locality of Sonipat (town) at the Metropolitan Periphery of Delhi, India*

11:03 Soma Sengupta*, Kamala Nehru College, University of Delhi; Anjan Sen, Department of Geography, University of Delhi; *Recreating 'Old' Delhi's Historic Square – The Place Making of Chandni Chowk*

11:19 Anjan Sen*, Department of Geography, University of Delhi; Soma Sengupta, Kamala Nehru College, University of Delhi; Akansha Yadav, Department of Geography, University of Delhi; *Branding Delhi's Historic Urban Villages – The Recreation of Shahpur Jat Village*

Thursday-010-9:55 a.m. 2019 AAG Leadership Symposium II Promoting Diversity in Geography: Strategies to Improve Inclusion, Broaden Participation, and Assess Progress (Sponsored by Harassment-Free AAG Initiative)

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Shannon O'Lear, University of Kansas; Kenneth Foote, University of Connecticut

CHAIR: Kenneth Foote, University of Connecticut

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Thursday-017-9:55 a.m. Geographies of Education I:

Teaching Climate Change (Sponsored by Critical Geographies of Education Specialty Group, Cultural and Political Ecology Specialty Group, Climate Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Melinda Shimizu, SUNY - Cortland

9:55 Nina Christenson*, Karlstad University; Emelie Hindersson, Centre for Climate and Safety, Karlstad University, Sweden; *Teaching climate change, teachers views, methods and good examples*

10:15 Elizabeth Carlino*, Southern Connecticut State University; Michaela Garland, Southern Connecticut State University; Stephen Axon, Ph.D., Southern Connecticut State University; *Activating climate activism? Engaging geography and sustainability students with climate (in)justice*

10:35 Mohammed Maali*, United Arab Emirates University; Rua A. Maali, United Arab Emirates University; Amal A. Ragaei, United Arab Emirates University; Naeema M. Alhosani, United Arab Emirates University; *Assessing Environmental Education at the Primary and Secondary Levels of the United Arab Emirates Curriculum*

10:55 Jeffrey Brunskill*, Bloomsburg University; *Bloomsburg Weather Viewer*

11:15 **Discussant(s):** Jim Porto, Community CAPS

Thursday-018-9:55 a.m. Nepal and Himalayan Geographies:

Driving the debate on sustainability, disaster and infrastructure SESSION 2 (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Galen Murton, James Madison University; Katharine Rankin, University of Toronto

CHAIR: Katharine Rankin, University of Toronto

9:55 Dikshya Devkota*, Gorkha Foundation Nepal; *Complementary Roles of Civil Society in Disaster Relief Operations*

10:15 Robert Beazley*, Cornell University; *Grappling with the Tyranny of Distance: Scuffles with roads, landslides, and sustainability in Nepal*

10:35 Keshav Bhattarai*, University of Central Missouri; Mahmud Yousef, Professor, University of Central Missouri; Sunil Lama, Mr., University of Central Missouri; *Decision-Aiding Transit-Tracker Methodology for Bus Scheduling using Real Time Information to Ameliorate Traffic Congestion in the Kathmandu Valley*

10:55 Sabin Ninglekhu*, Patrick Daly, Earth Observatory of Singapore, Nanyang Technological University, Singapore; Pia Hollenbach, University of Zurich; *Heritage and its Discontents: Newar Urbanism and the Political Economy of Everyday Life*

11:15 Krishna K. Shrestha*, Associate Professor of Development Studies, University of New South Wales (UNSW), Sydney, Australia; *Reframing disaster governance: Lessons from Nepal's 2015 earthquakes for inclusive and just disaster management*

Thursday-019-9:55 a.m. Urban, Environment, and Planning Issues in Contemporary Asia (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Jiang Xu, The Chinese University of Hong Kong

9:55 Delphine Delphine*, Utrecht University; Yudhi Timor Bimo Prakoso, Directorate General of Regional Development, The Indonesian Ministry of Home Affairs; Patrick Witte, Utrecht University; Tejo Spit, Utrecht University; *Fostering "the Giants" through programme management: The use of programme management in Indonesian megaprojects development.*

10:15 Maarten Bavinck*, University of Amsterdam; Karupiah Subramanian, University of Amsterdam; *Mapping the flows of low-price fish for food security of the urban poor: insights from Tamil Nadu, India*

10:35 Jiang Xu*, The Chinese University of Hong Kong; Calvin King Lam Chung, The Chinese University of Hong Kong; *"Lines" as spatial planning tools: how is the state rescaled for a better environmental regulation in China?*

10:55 Shelly Selivanov*, BSc., University of Victoria; Philip Dearden, Ph.D., University of Victoria; Rick Rollins, Ph.D., University of Victoria; *Tourist Perspectives on Current and Future Sustainability of Island Tourism in Thailand*

11:15 Jongnam Choi*, Western Illinois University; Chul Sue Hwang, Department of Geography, Kyung Hee University; *Environmental and Climate Change Issues Explained in the National Atlas of Korea: A Great Resources for Geographic Education*

Thursday-020-9:55 a.m. Labor and Mobility

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Ashley Baber, Loyola University Chicago

9:55 Takehiko Fujii*, The University of Tokyo; *Relocations of Geography-related IT Industries - a case study in China since 1990 -*

10:15 Xue Zhang*, Cornell University; *People mobility, labor market disequilibrium and rural development in the US*

10:35 Yibo Duanmu*, Peking University; Yanwei Chai, Peking University; *Ten-year Changes in Time Use of Workers' Daily Activities in Beijing and Its Influential Factors*

10:55 Ashley Baber*, Loyola University Chicago; *Growing Labor Market Precarity: An Exploratory Investigation of the Uneven Development of Contingent Labor in the United States*

Thursday-021-9:55 a.m. CJRS 2. Real estate and the city

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): John Miron, University of Toronto

CHAIR: Nicolas Vergara Arribas, Rutgers, the State University of New Jersey

9:55 Yinan Zhang*, University of Arizona; Daoqin Tong, Arizona State University; Courtney Crosson, University of Arizona; Qing Zhong, University of

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Arizona; *Disparity in Rainwater Harvesting Rebate Adoption: A Case Study in Tucson*

- 10:15** Zachary Landis*, USMA; *Assessing Indicators of Performance for the Community Rating System: A Dasytetric and Sovi Approach*
- 10:35** Ziyue Zhang*, Yuanshuo Xu, Cornell University; *Housing Price Growth Detection and Classification Using Dynamic Time Warping*
- 10:55** Jingyi Xiao*, University of California, Santa Barbara; Jake Carr, Moody's Analytics; *Spatial Modeling for Predicting the Default of Commercial Real Estate*
- 11:15** Nicolas Vergara Arribas*, Rutgers, the State University of New Jersey; *Developers and land in the current remaking of Santiago, Chile's inner city*

Thursday-022-9:55 a.m. Untapped: Fresh Voices in Water Resources Geography 2 (Sponsored by Water Resources Specialty Group)

- Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Jacob Petersen-Perlman, University of Arizona - Water Resources Research Center, Tucson, AZ
CHAIR: Alida Cantor, Portland State University
- 9:55 Discussant(s):** Alida Cantor, Portland State University
- 10:15** Katherine Georges*, California State University Long Beach; *Behind the Practice: Drought and Decision Making by Tulare Basin Farmers*
- 10:35** Sydney Beckner*, Master's Student, Texas A&M University, Department of Geography; Wendy Jepson, Professor, Texas A&M University, Department of Geography; Christian Brannstrom, Professor, Texas A&M University, Department of Geography; John Tracy, Director, Texas Water Resources Institute; *Stakeholder Perspectives on an Inter-Aquifer Water Transfer Project: The Vista Ridge Pipeline in Central Texas*
- 10:55** Sophia Borgias*, University of Arizona School of Geography and Development; *Beyond the ranchers-versus-city narrative: reassessing the Owens Valley water conflict*
- 11:15** Meredith Moore*, Auburn University; Philip L Chaney, Auburn University; Chris Burton, Auburn University; Eve Brantley, Auburn University; *Drought Management Plans in Major Cities in Alabama and the Southeastern U.S.*

Thursday-023-9:55 a.m. Doing Fieldwork in Biogeography (Sponsored by Biogeography Specialty Group, Careers and Professional Development)

- Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Clay Tucker, Louisiana State University
CHAIR: Clay Tucker, Louisiana State University
- 9:55** Christopher Underwood*, Assistant Professor, University of Wisconsin-Platteville; Sally P Horn, University of Tennessee; *The case for soil charcoal in multi-proxy reconstructions of fire history*
- 10:15** Rebecca Brice*, University of Arizona; Peter Brewer, University of Arizona; Christopher Guiterman, Laboratory of Tree-Ring Research; *A Case Study for Using Digital Field Data Collection*
- 10:35** Ryley Harris*, Virginia Tech; Lisa M Kennedy, PhD, Virginia Tech; Thomas J Pingel, PhD, Virginia

Tech; *Characterization of a forest-grass ecotone on a Southern Appalachian bald, Whitetop Mountain, Virginia, USA, using remotely-sensed imagery*

- 10:55** Clay Tucker*, Student, Louisiana State University; *Doing Tree-Ring Fieldwork in Coastal Locations*

Thursday-024-9:55 a.m. Geographies of Waste: Dispositions, Transformations, Contradictions II

- Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Kevin Martyn, University of South Florida
CHAIR: Kevin Martyn, University of South Florida
- 9:55** Diana Watts*, PhD, Johns Hopkins University / Trinity Washington University; *Alternative Stewardship models: Social Businesses in Food Waste Recovery and Redistribution*
- 10:15** Dare Adeyemi*, University of Calgary; *The impact of solid waste collection technologies on the marginalization of informal recyclers. A case study of the city of Calgary, Alberta, Canada.*
- 10:35** Martin Oteng-Ababio*, University of Ghana; Maja van der Velden, Department of Informatics, University of Oslo; Mark Taylor, Fafo Research Foundation, Oslo; *A critical analysis of the legal framework (ACT 917) for sound e-waste management in Ghana*
- 10:55** Sarah Melcher*, University of Oklahoma; Angela M Person, PhD, University of Oklahoma; Randy Peppler, PhD, University of Oklahoma; *Practical Rural Recycling: Intersections Between Municipalities, Companies, and Residents*

Thursday-025-9:55 a.m. Nuclear Geographies II: Between the Spectacular and the Banal (Sponsored by Historical Geography Specialty Group, Energy and Environment Specialty Group)

- Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Jonathan Luedee, University of British Columbia; James Rhatigan, University of British Columbia
CHAIR: Jonathan Luedee, University of British Columbia
- 9:55** James Rhatigan*, University of British Columbia; *Making nuclear space: Technoscientific networks and the geographies of Cold War nuclear experimentation.*
- 10:15** Jonathan Luedee*, University of British Columbia; *The Contested Boundaries of the Nuclear North: Visualizing, Measuring, and Mapping Radiation Exposures in the North American Arctic, 1963-1969*
- 10:35** Jacquelyn Southern*, University of Massachusetts Amherst; *Nuclear Rhetoric: Time and Space in Cold War America*
- 10:55** Daisaku Yamamoto*, Colgate University; *Geographical Political Economy of Nuclear Power Plant Closure*
- 11:15** Stephanie Postar*, (Re)Remembering the Past, *Foreseeing a Radiant Future in southern Tanzania*

Thursday-026-9:55 a.m. Mixed Drinks: Geographies of Wine, Beer, and Spirits (II) (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.

THURSDAY, April 4 • 9:55 AM - 11:35 AM

ORGANIZER(S): Colleen Myles, Texas State University; Nancy Hoalst-Pullen, Kennesaw State University

CHAIR: Colleen Myles, Texas State University

9:55 Benjamin Lisle*, Colby College; *Imaginative Geographies and Urban Space: Craft Beer in Portland, Maine*

10:15 Ann Fletcher*, Mississippi University for Women; *New to the Neighborhood: A Comparison of the Role of Craft Breweries in Rural and Urban Place-Making*

10:35 James Buratti*, Texas State University; *The neolocal appeal of Texas craft cider producers*

10:55 Richard Ek*, Lund University; *Place-Brewing: Breweries, Hops and Magic*

11:15 Walter Furness*, Texas State University - San Marcos; Colleen Myles, PhD, Texas State University - San Marcos; *Tiny heavyweights: The space(s) of yeast in fermentation-focused material transformations*

Thursday-027-9:55 a.m. Nystrom Award

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

9:55 Discussant(s): Katherine Hankins, Associate Professor, Georgia State University

10:05 Discussant(s): Sally Horn, Professor, University Of Tennessee

10:15 Discussant(s): Daniel Trudeau, Professor, Macalester College

10:25 Ding Fei*, Arizona State University; *Variegated Work Regimes of Chinese Companies in Ethiopia: Three Case Studies*

10:45 Nathan Gill*, University of Wisconsin-Madison; Dan Jarvis, Vermont Technical College; Dominik Kulakowski, Clark University; John Rogan, Clark University; *Disturbance interactions modulate how microhabitat influences conifer regeneration*

11:05 Anna Klimaszewski-Patterson*, Ph.D., California State University - Sacramento; Peter Weisberg, Ph.D., University of Nevada, Reno; Scott Mensing, Ph.D., University of Nevada, Reno; Robert Scheller, Ph.D., North Carolina State University; *Paleolandscape modeling support for a potential pre-Columbian Anthropocene in the southern Sierra Nevada, California*

Thursday-028-9:55 a.m. Experiencing Institutional Food (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Amy Rosenthal; Christine Caruso

CHAIR: Amy Rosenthal

9:55 Introduction(s): Amy Rosenthal

10:00 Andrew Wingfield*, *Virginia Food Systems Leadership Institute: A Curricular Vehicle for University Food System Reform*

10:15 Jessica L Gilbert*, University at Buffalo; *Leveraging the Purchasing Power of Public School Food Programs to Achieve a Just Transition*

10:30 Li Schmidt*, Gail Feenstra, UC Sustainable Agriculture Research and Education Program; *How do students participate in and affect sustainable and local food procurement on California university campuses?*

10:45 Nadine Nugent*, PhD, Division of Nutrition, Physical Activity and Obesity (DNPAO), National Center for Chronic Disease Prevention and Health Promotion (NCCDHP), Centers for Disease Control and Prevention; Stephen Onufrak, PhD, Division of Nutrition, Physical Activity and Obesity (DNPAO), National Center for Chronic Disease Prevention and Health Promotion (NCCDHP), Centers for Disease Control and Prevention; Seung Hee Lee-Kwan, PhD, Division of Nutrition, Physical Activity and Obesity (DNPAO), National Center for Chronic Disease Prevention and Health Promotion (NCCDHP), Centers for Disease Control and Prevention; Diane Harris, PhD, Division of Nutrition, Physical Activity and Obesity (DNPAO), National Center for Chronic Disease Prevention and Health Promotion (NCCDHP), Centers for Disease Control and Prevention; *Impact of behavioral design strategies on patrons' food choices in a US Army hospital cafeteria*

11:00 Amy Rosenthal*; Christine Caruso*; *Meeting Students Where They Eat: a qualitative investigation of students' perceptions and experiences of their school cafeteria*

11:15 Discussant(s): Christine Caruso

Thursday-031-9:55 a.m. Queering suburbia: Beyond Discursive Metronormativities, towards Peripheral Ontologies (Sponsored by Sexuality and Space Specialty Group, Urban Geography Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Julie Podmore, John Abbott College; Alison Bain, York University

CHAIR: Julie Podmore, John Abbott College

Panelist(s): Katrin Anacker, Associate Professor, George Mason University; Arianna Martinez, Dr; Alison Bain, York University

Discussant(s): Derek Ruez, -, University of Tampere; Petra Doan, Professor, Florida State University

Thursday-032-9:55 a.m. John Odland Award (SAM student paper competition) - II (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Eric Delmelle, University of North Carolina at Charlotte

CHAIR: Eric Delmelle, University of North Carolina at Charlotte

9:55 Introduction(s): Eric Delmelle, University of North Carolina at Charlotte

9:57 Nastaran Pourebrahim*, UNC Greensboro; *Modeling Trip Distribution using Twitter Data and Machine Learning*

10:17 Meifang Li*, Sun Yat-sen University; Dartmouth College; Yu Liu, Peking University; Xia Li, East China Normal University, Sun Yat-sen University; Xun Shi, Dartmouth College; *Agent-based modeling of communicable disease transmissions with real human mobility and disease data*

10:37 Janardan Mainali*, Portland State University; Heejun Chang, Portland State University; *Putting space into modeling landscape and water quality relationships in the Han River basin, South Korea*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Thursday-033-9:55 a.m. Monuments, Memorials, and the Politics of Place I (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group, Historical Geography Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria; Ian Baird, The University of Wisconsin - Madison

CHAIR: Reuben Rose-Redwood, University of Victoria

9:55 Suzanne Nimoh*, Department of Geography and the Environment; *Remembering Anacostia: National Imaginaries and Forgotten Racial Violence in Washington, DC*

10:15 Jocelyn Evans*, University of West Florida; Melody Huckaby Rowlett, University of Oklahoma; Katherine Sims, University of West Florida; *Mapping Confederate Icons and Their Contestation*

10:35 Joshua Inwood*, Pennsylvania State University; Derek J Alderman, PhD, University of Tennessee; *Contested Memories of Race and White Supremacy in the South's "Capital of Cool": Interrogating Montgomery, Alabama's Urban Redevelopment in the Context of Memory Work*

10:55 Stephen Hanna*, University of Mary Washington; *"Don't seek your history on our backs:" A Slave Auction Block's location and the racial politics of practicing memory in a Southern town*

11:15 Christine MacKrell*, George Washington University; *A "More Inclusive National Parks System": Constructing National Identity through Birmingham Civil Rights National Monument*

Thursday-033.5-9:55 a.m. Conservation, Sustainability and Animal Geographies

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Sharon Moran, State University of New York - Env. Science and Forestry, Syracuse, NY

9:55 Emmanuel Uko*; *East Atlantic Flyway; Wings over coastal Nigeria*

10:00 Anna Holland-Levine*, University of Alabama; *Human-carnivore dynamics in Blaine county, Idaho: a social-ecological systems approach to coexistence*

10:05 Bailey Aasen*, Augustana College; *Peregrine Falcons in the Arctic: A Look Into Long-Distance Migratory Patterns*

10:10 Steven Richardson Jr*, Eastern Kentucky University; Melanie Helvie, Co-author, Eastern Kentucky University; Andrew Akin, Co-author, Eastern Kentucky University; Stephanie McSpirit, Co-author, Eastern Kentucky University; *Free Roaming Horse Project: An Inventory of Herds in Eastern Kentucky*

10:15 Erica Carcelen*; Florencia Sanjermano, PhD, Clark University; John Rogan, PhD, Clark University; *Assessing the impacts of gold mining deforestation on the Giant Otter (Pteronura brasiliensis) in Madre de Dios, Peru*

10:20 Andrew Stoeckel*, UT-Dallas; *Perceptions of Wildcats and Its Implications for the Potential for Conflict in Guyana*

10:25 Zhiyue Xia*, University of Maryland, Department of Geographical Science; Laura Leites, The Pennsylvania

State University, Department of Ecosystem Science and Management; Douglas Miller, The Pennsylvania State University, Department of Ecosystem Science and Management; Andrew Liebhold, US Forest Service Northern Research Station, Morgantown, WV; *Harnessing the Power of Geospatial Data with Random Forest to Forecast Gypsy Moth Defoliation*

10:30 John Hasse*, Rowan University; *Prioritizing Conservation Lands for New Jersey's Last Million Acres*

10:35 Sharon Moran*, State University of New York - Env. Science and Forestry, Syracuse, NY; *Citizen Science and Watershed Monitoring: Exploring Engagement and Transformative Action*

10:40 Ze He*, Institute of geographic sciences and natural resources research, Chinese academy of sciences; Yu Yang, Institute of geographic sciences and natural resources research, Chinese academy of sciences; *Global Energy Networks: Concept, Connotation and Spatial Organization Mechanism*

10:45 JIXI GAO, Co-author; SHENG RAO*, Chinese Academy for Environmental Planning; CHANGXIN ZOU, Co-author; *Research on the Management System of Ecological Conservation Redlines*

10:50 Meghan Little*, Ohio University; *Conservation and Compliance: A Case Study of Illegal Logging in Kosovo's Newest National Park*

10:55 Moory Romero*, SUNY ESF College of Environmental Science and Forestry; David Sonnenfeld, SUNY ESF College of Environmental Science and Forestry; Theresa Selfa, SUNY ESF College of Environmental Science and Forestry; *Water scarcity and intercultural engagement in times of climate change: A political ecology approach in the Bolivian Andes*

11:00 Kelly Janus*, Clark University; *Mapping Urban Ecosystems: Street Trees in Downtown Worcester, MA*

Thursday-034-9:55 a.m. Feminist Digital Geographies II: Alternatives/Methods (Sponsored by Digital Geographies Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Agnieszka Leszczynski, Western University; Gillian Rose, University of Oxford

CHAIR: Agnieszka Leszczynski, Western University

9:55 Clancy Wilmott*, University of Manchester; *Back to the (feminist) future: cyberfeminism, mixed reality and the future of digital geographies*

10:15 ARELY CRUZ SANTIAGO*, University of Durham; *"He also likes pancakes": Navigating analogue/digital spaces with families searching for disappeared persons in Mexico*

10:35 Rianka Singh*, University of Toronto; *Platform Feminism: Protest and the Politics of Spatial Organization*

10:55 Discussant(s): Amber Bosse, Ph.D. Candidate, University of Kentucky

Thursday-035-9:55 a.m. Volunteered Geographic Information: Past, Present, and Future (Sponsored by Esri)

Room: Roosevelt 5, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

THURSDAY, April 4 • 9:55 AM - 11:35 AM

ORGANIZER(S): Budhendra Bhaduri, Oak Ridge National Laboratory;
Andrew Turner, Esri

CHAIR: Andrew Turner, Esri

Panelist(s): Marilyn Brown, Michael Jerrett, University of California; Michael Widener, Assistant Professor, University of Toronto; Yingjie Hu, Assistant Professor, University At Buffalo

Introduction(s): Michael Goodchild, Professor, University of California; Ming-Hsiang Tsou, Professor, San Diego State University

Thursday-036-9:55 a.m. Spatiotemporal Symposium:

Approaches to Smart Earth Science Data Discovery

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Yun Li, George Mason University

CHAIR: Yun Li, George Mason University

Thursday-037-9:55 a.m. Racial Regimes of Property II:

VALUE (Sponsored by Black Geographies Specialty Group, Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Malini Ranganathan, American University; Anne Bonds, University of Wisconsin, Milwaukee

CHAIR: Anne Bonds, University of Wisconsin, Milwaukee

9:55 Rea Zaimi*, University of Illinois at Urbana-Champaign;
Reconfiguring Racial Regimes of Ownership: Vacancy and the Labor of Revitalization on Chicago's South Side

10:13 Elsa Noterman*, University of Wisconsin - Madison;
Speculating on vacancy

10:31 Rachel Brahinsky*, University of San Francisco; *Race: A Story of Property*

10:49 Anna Livia Brand*, University of California, Berkeley;
The Sedimentation of Whiteness and the UnSettling of Black Geographies: Property, Valuation and Relational Urban Development in New Orleans

11:07 **Discussant(s):** Neil Agarwal, Visiting Assistant Professor, University of California, Davis

Thursday-038-9:55 a.m. Uneven Geographies of Electricity Capital II: Finance and Regulation

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nikki Luke, University of Georgia; Matt Huber, Syracuse University

CHAIR: Matt Huber, Syracuse University

9:55 Nikki Luke*, University of Georgia; *Electricity capital: theorizing the uneven space-times of electricity-powered labor*

10:15 Tyler Harlan*, Cornell University; *Low-Carbon Frontier: Towards a Relational Geography of Energy Transitions*

10:35 Xi Wang*, University of Colorado, Boulder; *The Uneven Geography of Electricity Expansion in Inner Mongolia*

10:55 Carl Bauer*, Professor, University of Arizona; *Governing the water/energy nexus: Hydropower's first century in the U.S.A.*

11:15 Lucy Baker*, university of sussex; *Finance, ownership, inclusion in the energy transition*

Thursday-039-9:55 a.m. Crime Geography and Crime Analysis (II)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Lin Liu, University of Cincinnati

CHAIR: Lin Liu, University of Cincinnati

9:55 Hanlin Zhou*, Student, University of Cincinnati; Lin Liu, University of Cincinnati; *How Different Crime Types are Related with Urban Transitional Zone in Cincinnati*

10:15 ZENGLI WANG*, *Entry control, gated community and crime*

10:35 Fengrui Jing*, Sun Yat-sen University; Lin Liu, Guangzhou University; University of Cincinnati; Wenya Liu, Sun Yat-sen University; Suhong Zhou, Sun Yat-sen University; Dongping Long, Sun Yat-sen University; *Natural Environments and Fear of Crime: A Consideration of Prior Victimization*

10:55 Hongjie YU*, Center of Integrated Geographic Information Analysis, Sun Yat-Sen University; Lin LIU, Department of Geography, University of Cincinnati; Center of GeoInformatics for Public Security, Guangzhou University; Bo YANG, Department of Sociology, University of Central Florida; *Crime Prediction with Historical Crime and Potential Offender Data Using a Spatio-temporal Cokriging Method*

11:15 Faisal Umar*, Ahmadu Bello University, Zaria; Tatiana Thieme, University College London; James Cheshire, University College London; Adamu Ahmed, Ahmadu Bello University, Zaria; *Property crime, livelihoods and urban poverty in Nigeria*

Thursday-040-9:55 a.m. W2_11 Best Practices for Administering ArcGIS in Education (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Thursday-041-9:55 a.m. Querying 'the Future of Work' III: Panel (Sponsored by Economic Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nancy Worth, University of Waterloo; Emily Reid-Musson, University of Waterloo; Daniel Cockayne, University of Waterloo

CHAIR: Emily Reid-Musson, University of Waterloo

Panelist(s): Lorena Muñoz, Assistant Professor, University of Minnesota; Sanjukta Mukherjee, Associate Professor, DePaul University, Women's & Gender Studies; Nancy Ettlinger, Professor, Ohio State University; Max Andrucki, Adjunct Assistant Professor, Temple University

THURSDAY, April 4 • 9:55 AM - 11:35 AM • Poster Sessions

Thursday-043.1-9:55 a.m. Innovative Applications of Esri GIS

Technology Poster Competition (Sponsored by Esri)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers; Joseph Kerski, Esri

002 Poster(s) Mark Kumler*, University of Redlands; *Map Quilts*

003 Poster(s) Ann Johnson*, GeoTech Center; *Introducing Remote Sensing Concepts Made Easy*

004 Poster(s) Nicholas Bogen*, Central Michigan University; *The US in 11 Zip Codes: Mapping Socio-Economic Clusters & Exemplars of the United States*

005 Poster(s) Amanda Cooley*, *Socioeconomic outcomes of redlining in Salt Lake City, Utah*

006 Poster(s) Tetyana Pecherska*, *U.S. Offshore Aquaculture Potential in the Atlantic Ocean and Gulf of Mexico*

007 Poster(s) Aperr Naadzenga*, Antioch University New England; *An Assessment of Urban Sustainable Structures in Keene NH - USA: A focus on Thompson Road Low-Impact, Sustainable Subdivision Keene, New Hampshire - 42°55'03.6"N 72°14'24.6"W*

008 Poster(s) Carly Robbins*, Clark University; James Shute, NASA Center for Climate Simulation (NCCS), NASA Goddard Space Flight Center; Laura Carriere, NASA Center for Climate Simulation (NCCS), NASA Goddard Space Flight Center; Gerald Potter, PhD, NASA Center for Climate Simulation (NCCS), NASA Goddard Space Flight Center; Judy Hertz, NASA Center for Climate Simulation (NCCS), NASA Goddard Space Flight Center; *Warming's Impact on Bird Distributions in California*

009 Poster(s) Jennifer Lumpkin*, *Eyes on the Road: Looking at Traffic Safety in Ohio's Miami Valley*

0010 Poster(s) Douglas Stow*, San Diego State University; Gavin Schag, San Diego State University; Philip Riggan, United States Forest Service; *Remote sensing approach and geoprocessing tools for estimating wildfire rate of spread*

Thursday-043.2-9:55 a.m. UAS Symposium: Geospatial Research Using UAS - Pix4D Poster Competition (Sponsored by Pix4D)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jeffrey Miller, Pix4D; Adam Mathews, Western Michigan University

002 Poster(s) Raymond Moore*, University of North Carolina - Wilmington; Eman Ghoneim, Phd, University of North Carolina Wilmington; Peter Zamora, Phd, University of North Carolina Wilmington; Dave Wells, University of North Carolina Wilmington; *Integrating Multispectral and Unmanned Aerial Vehicle Thermal Infrared Remote Sensing With In-Situ Radon Measurements to Detect Submarine Groundwater Discharge in Onslow Bay, NC*

003 Poster(s) Andrew Lyons*, Univeristy of California; Jacob Flanagan, University of California Division of Ag & Natural Resources; Sean Hogan, University of California Division of Ag & Natural Resources; *Open Source Tools for Drone Data Management*

004 Poster(s) Jonathon Chester*, Department of Ecosystem Science and Management, Pennsylvania State

University; Andrew Yoder, Department of Geography, Pennsylvania State University; Philip Walsh, Department of Geography, Pennsylvania State University; Doug Miller, Department of Ecosystem Science and Management, Pennsylvania State University; Brennan Holderman, Department of Ecosystem Science and Management, Pennsylvania State University; Scott Drzyzga, Department of Geography-Earth Science, Shippensburg University of Pennsylvania; Brian Naberezny, Department of Civil and Environmental Engineering, Pennsylvania State University; Nooreen Meghani, Department of Geology, University of Illinois Urbana-Champaign; Jonathan Duncan, Department of Ecosystem Science and Management, Pennsylvania State University; *Influence of Software Selection on 2D and 3D Elevation Correspondence Using sUAS Structure-from-Motion and Multi-View-Stereo Photogrammetry*

005 Poster(s) Duncan MacIntosh*, California State University, Long Beach; *Surveying Practices in the Drone Age: An Accuracy and Slope Assessment of UAV-Derived Products*

006 Poster(s) Sophie-Min Thomson*, University of Denver; *Creating a 3D model of the town of Morrison, Colorado from unmanned aircraft systems (UAS) data*

007 Poster(s) Amanda Adams*, *Gaining Efficiency in 3D Modeling by using a Drone*

008 Poster(s) Austin Taylor Bush*, Florida State University; *Disaster Mapping: Using UAS to Assess Hurricane Damage at Mexico Beach, FL*

Thursday-043.3-9:55 a.m. GIS and Spatial Analysis

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Kieran Elder*, Central Michigan University; *Modeling the spatial-temporal dynamics of college enrollment decisions*

003 Poster(s) So Young Sohn*, Yonsei University; Ho Jeong Yeom, Yonsei University; *Does regional human capital matter for the successful crowdfunding for the game projects?*

004 Poster(s) Christina Mauney*, University of Richmond; John Scrivani, University of Richmond; Kimberley Browne, University of Richmond; *Temporal Trends in Kenyan Smallholder Settlement Scheme Allocation (1962 - 2015)*

005 Poster(s) Mamoru Amemiya*, University of Tsukuba; *Testing the "Law of Crime Concentration" in a low crime rate situation: A geographical crime analysis in Tokyo and Osaka, Japan, using generalized Gini coefficient*

006 Poster(s) Meghan Jones*, Miami University Of Ohio; *Parcel Prioritization Mapping for Conservation Easements*

007 Poster(s) Gordon Cromley*, Kent State University; *Measuring Differential Access to Facilities Using Spatial Lorenz Curves and Related Indices*

008 Poster(s) Sean Allwurdun*, Furman University; *An analysis of a low-income residential energy efficiency program in Asheville, North Carolina*

009 Poster(s) Samuel Ross*, *Exploring Vulnerability of State Parks to Hazards Associated with Oil and Gas Development within the Permian Basin Region of Texas*

THURSDAY, April 4 • 9:55 AM - 11:35 AM • Poster Sessions

- 0010 Poster(s)** Margaret Onserio*, Ms, Jomo kenyatta university; *Impact of Mau forest catchment on the Great Riftvalley lakes in kenya*
- 011 Poster(s)** Sarah Becker*, United States Army Engineer Research & Development Center; Susan Lyon, United States Army Engineer Research & Development Center; Megan Maloney, United States Army Engineer Research & Development Center; Nicole Wayant, United States Army Engineer Research & Development Center; *Identifying proper lag size and number of lags when calculating semivariogram on mixed land use raster imagery*
- 012 Poster(s)** Qu Chen*, School of Geographical Sciences, East China Normal University; Hong Yi, Department of Real Estate, East China Normal University; Yujie Hu, School of Geosciences, University of South Florida; Xianrui Xu, School of Geographical Sciences, East China Normal University; Xiang Li, School of Geographical Sciences, East China Normal University; *A New Method of Selecting K-means Initial Cluster Centers Based on Hotspot Analysis*
- 013 Poster(s)** Carson Hauck*, Clark University; Matthew Smith, Florida International University; Rinku Roy Chowdhury, Clark University; Henrik Westerkam, Clark University; *Exploring Key Drivers of Seasonal and Annual Water Quality Outcomes in Space and Time across Miami-Dade County, Florida*
- 014 Poster(s)** Charles Abbatantuono*, Stetson University Department of Environmental Science and Studies; Jason Evans, PhD, Stetson University Department of Environmental Science and Studies; Alex Clark, Clearview Geographic, LLC; *Current and Future Flood Risk Damage Assessments With Hazus-Mh: Parcel-Level Analysis in Monroe County, Florida*
- 015 Poster(s)** Ashleigh Price*, Graduate Student, University of Southern Mississippi; *Social Disorganization and Neighborhood Crime Rates in Coastal Mississippi*
- 016 Poster(s)** Zhiyong Hu*, University of West Florida; Yanyan Liu, University of West Florida; Jilin Hu, University of West Florida; *Point pattern analysis of nighttime residential burglary in relation to remotely sensed light intensity, socioeconomic context and road access*
- 017 Poster(s)** Sarah Meyer*, Central Michigan University; *Spatial and Temporal Modeling of Doc Transport Processes From Agricultural Landscapes to Rivers: A Case Study of the Chippewa River Using Swat Analysis*
- 018 Poster(s)** Chad Rogers*, DC Water; *An Analysis of Sewer Main Failures Related to Tree Root Intrusion*
- 019 Poster(s)** Matthew Franklin*, Student, University of Richmond; *Model for Estimating Population Counts in Smallholder Settlement Schemes in Rural Kenya*
- 020 Poster(s)** Zhiqi Yu*, George Mason University; *Fish Ponds Detection in Bangladesh on Google Earth Engine: A case study of Singra Upazila*
- 021 Poster(s)** Neysha Raquel Pacheco Colón*, California State University - Long Beach; *Geospatial Analysis: 18 years of Seismic Activity*
- 022 Poster(s)** Yu Zhong*; *Comparison of Different 360 Tour Creators*
- 023 Poster(s)** Jiyoung Lee*, Louisiana State University; Michael Leitner, Louisiana State University; *The effect of nighttime lights on Crime in Baton Rouge, Louisiana*
- 024 Poster(s)** Juliette Bateman*, Boston University; *Predicting town vulnerability in coastal Semarang, Indonesia: Spatial data analysis of land subsidence in relation to geomorphological factors*
- 025 Poster(s)** TianJun CHANG*, East China Normal University; Zhongyang GUO, East China Normal University; *AQI scale prediction based on Prophet-RF optimization model*
- 026 Poster(s)** Abrar Almalki*; *Advanced Geospatial Analysis for Solar Energy Siting*
- 027 Poster(s)** Nicole Ernst*, Harrisburg Area Community College; *Spatial Analysis of Student Enrollment, Harrisburg Area Community College, 2011-2016*
- 028 Poster(s)** Jackeline Kerbler*, Ball State University; Adam Berland, Ball State University; *Park Investigation: Applying geospatial technology to evaluate park quality in Franklin County, Ohio*
- 029 Poster(s)** Charles Hobart Perry*, USDA Forest Service; Christopher Oswalt, USDA Forest Service; James Garner, USDA Forest Service; David Bell, USDA Forest Service; Charles Werstak, USDA Forest Service; Ty Wilson, USDA Forest Service; *Public:Private Partnerships Improve the Application of Geographic Information in Decision-Making*
- 030 Poster(s)** Amanda Waggoner*, GIS Technician, University of Richmond; Mary Finley-Brook, Dr., University of Richmond; Stephen Metts, The New School; *Environmental justice & shale gas: spatial intersections between energy development and vulnerable rural populations*
- 031 Poster(s)** Khila Dahal*, Temple University; *An innovative method for dasymetric mapping: A case of New York City*
- 032 Poster(s)** Mogahid (Mo) Hussein*, Texas State University; *A Comparative Analysis of Social Vulnerability*
- 033 Poster(s)** David Szpakowski*, Texas State University - San Marcos; *Spatial-Temporal Analysis of Wildfires in Washington State*
- 034 Poster(s)** Catherine Skeeter*, Salisbury University; Brian Hiller*, Salisbury University; Mara Chen, Dr., Salisbury University; Daniel Harris, Dr., Salisbury University; *Evolution of the U.S. National Parks*
- 035 Poster(s)** Bryan Runk*, University of Minnesota; *Characterizing the impacts of collaboration on the adoption of multifunctional agriculture*
- 036 Poster(s)** Dusty Pilkington*, Kittitas County; *Python Batch Parcel Assessment Under Washington's Open Space Taxation Act and Kittitas County's Public Benefit Rating System*
- 037 Poster(s)** James Burgess*; *GIS Analysis of Coastal Development in the North Shore of Massachusetts*
- 038 Poster(s)** Yi Huang*, Key Laboratory of Virtual Geographic Environment, Nanjing Normal University, Ministry of Education, PRC/The University of Texas at Dallas; May Yuan, The University of Texas at Dallas; Yehua Sheng, Key Laboratory of Virtual Geographic Environment, Nanjing Normal University; *A GIS representation integrating geographic ontology and general system theory*
- 039 Poster(s)** Zhiwen Li*, East China Normal University; *Research on 3D Spatial Visualization Technology Based on Cesium*
- 040 Poster(s)** Bo Zhang*, University of Connecticut; Weidong Li, University of Connecticut; *A comparison of Markov Chain geostatistical simulation using linear interpolated and fitted transiogram models*

THURSDAY, April 4 • 9:55 AM - 11:35 AM • Poster Sessions

- 041 Poster(s)** Kaleb Tsegaye*, *Get a Room: Mapping Open Classrooms at the University of Maryland*
- 042 Poster(s)** Anna Mattero*, *Impact of Sea Level Rise on New York City*
- 043 Poster(s)** Felix Asare-Bediako*, University of Akron; Shanon Donnelly, University of Akron; *Modeling the Routes of Shale Gas Gathering Pipelines in Carroll County, OH.*
- 044 Poster(s)** Gina Angela Badlowski*, Monmouth University; Jason E Adolf, Monmouth University; Geoffrey Fouad, Monmouth University; *Spatial analysis of water quality parameters in Hilo Bay, Hawai'i*
- 045 Poster(s)** Ingrid Witty*, Montclair State University; Danlin Yu, Ph.D., Department of Earth & Environmental Studies Montclair State University; *Development of New Biorefineries in the Southern United States to Expand Renewable Biofuel Production: Virginia's Suitable Locations*
- 046 Poster(s)** Levi Westerveld*, *Marine Debris Action Planner - a GIS model to predict marine debris coastal accumulation*
- 047 Poster(s)** Jessica Wright*, Boston University; *The Network of Natural Gas*
- 048 Poster(s)** Xiaohu Zhang*, National Engineering and Technology Center for Information Agriculture, Nanjing Agricultural University; Yu Zhang, National Engineering and Technology Center for Information Agriculture, Nanjing Agricultural University; Hao Xu, National Engineering and Technology Center for Information Agriculture, Nanjing Agricultural University; Wenjun Zuo, National Engineering and Technology Center for Information Agriculture, Nanjing Agricultural University; Li Jiang, National Engineering and Technology Center for Information Agriculture, Nanjing Agricultural University; *The scale effect and zonal aggregation effect in the regional potential productivity simulation of crop model*
- 049 Poster(s)** Shunbao LIAO*, Institute of Disaster Prevention; Xiao JIANG, Henan University; *The Role of Topographical Factors in Classification of Land Cover*
- 050 Poster(s)** Jialei Li*, Sun Ranhao, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; *Spatial and temporal dynamics and identification of hotspots of soil erosion in China*
- 005 Poster(s)** Yaping Xu*, Louisiana State University; Lei Wang, Louisiana State University; Cuiling Liu, Louisiana State University; Rudy Bartels, Louisiana State University; *Stepwise Downscaling of SMAP Satellite Soil Moisture Data Using Spatial Statistic Models and Random Forests*
- 006 Poster(s)** Hongxing Liu*, University of Alabama; Min Xu, University of Alabama; Richard Beck, University of Cincinnati; Molly Reif, JALBTCX of USACE; Erich Emery, Great Lakes and Ohio River Division of USACE; *Spatio-temporal Analysis of Lake and Reservoir Water Quality in USACE Louisville District with Multispectral Satellite Remote Sensing Systems*
- 007 Poster(s)** Christina Woehrle*, Oklahoma State University; *Three-dimensional characterization of grapevine canopy using UAV-SfM point clouds*
- 008 Poster(s)** Michela Burla*, Pennsylvania State University and Quantum Spatial Inc; Julian Avery, Pennsylvania State University; *Remote sensing and citizen science to monitor the impact of Marcellus shale gas development on avian populations*
- 009 Poster(s)** Michael Bowser*, Wetland Studies and Solutions, Inc.; *An Object-Based Image Analysis of Pipeline Wellhead Vegetation*
- 0010 Poster(s)** Chad Freed*, Widener University; Ahmed Lachhab, PhD, Susquehanna University; Taylor Mantey, MSAG, UPENN, University of Pennsylvania; *Integrating and Comparing two Remote Sensing Techniques to Quantify Organic Sediment Volume for a Dam Rehabilitation Project at a Pocono Mountain Lake in the Delaware State Forest, Pennsylvania*
- 011 Poster(s)** Kyle Woodward*, University of North Carolina - Wilmington; Narcisa Pricope, University of North Carolina - Wilmington; Andrea Gaughan, University of Louisville; Forrest Stevens, University of Louisville; Nicholas Kolarik, University of Louisville; Michael Drake, University of Colorado - Boulder; *Spatial patterns of vegetation composition across a gradient of human resource use intensity in semi-arid African savannas*
- 012 Poster(s)** Kaiguang Zhao*, Ohio Agricultural Research and Development Center, School of Environment and Natural Resources, The Ohio State University, Wooster, OH 44691, USA; Tongxi Hu, Ohio Agricultural Research and Development Center, School of Environment and Natural Resources, The Ohio State University, Wooster, OH 44691, USA; Qiusheng Wu, Department of Geography, Binghamton University, State University of New York, Binghamton, USA; Ryan Bright, Norwegian Institute of Bioeconomy Research (NIBIO), 1431 Ås, Norway; Yang Li, School of Environment and Natural Resources, Environmental Science Graduate Program, The Ohio State University, Columbus, OH 43210, USA; Elizabeth Toman, School of Environment and Natural Resources, The Ohio State University, Columbus, OH; *Detect change-point, trend, and seasonality in satellite time series data to track abrupt changes and nonlinear dynamics*
- 013 Poster(s)** Dipanwita Dutta*, University of North Carolina - Charlotte; Gang Chen, Associate Professor, Department of Geography and Earth Science, University of North Carolina-Charlotte; *Time series analysis of the spread of invasive plant species in Mecklenburg County using multi-temporal high resolution images*

Thursday-043.4-9:55 a.m. Remote Sensing and UAS

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** Devin Simmons*, University of Maryland; Karen Prestegard, Associate Professor, University of Maryland Department of Geology; *Determining the Accuracy of Remotely-Sensed Evapotranspiration Estimates in Canadian Boreal Forests*
- 003 Poster(s)** Daniel Warner*, Delaware Geological Survey; Beatrice O'Hara, Delaware Geological Survey; John Callahan, Delaware Geological Survey; *A hybrid approach for incorporating high resolution LIDAR DEMs into USGS StreamStats at the state level*
- 004 Poster(s)** Sitian Xiong*, *Mapping Smallholder Maize Yield in Zambia, 2016 -2018*

THURSDAY, April 4 • 9:55 AM - 11:35 AM • Poster Sessions

- 014 Poster(s)** Tyler Anderson*, Clark University; *Using the Harmonized Landsat Sentinel-2 Product for Tracking Gypsy Moth Defoliation in New England*
- 015 Poster(s)** Zachary Schwab*, Saginaw Valley State University; Rhett Mohler, Saginaw Valley State University; *Examining the effects of spatial resolution on the ability of UAV imagery to detect the invasive plant species *Phragmites australis* on the Shiawassee National Wildlife Refuge, Michigan, USA*
- 016 Poster(s)** Christopher Cooper*, University of Georgia; *Mapping the impact of Hurricane Florence on chlorophyll-a concentrations in Pamlico Sound, North Carolina*
- 017 Poster(s)** Corrine Coakley*, Kent State Geography Dept.; James Tyner, Kent State University; Mandy Munro-Stasiuk, Kent State University; Sokvisal Kimsroy, Kent State University; *The performance of vegetation indices when applied to early Landsat data for irrigation system detection in Cambodia*
- 018 Poster(s)** Devon Flickinger*, Mississippi State University; John C Rodgers, Mississippi State University; Padmanava Dash, Mississippi State University; Adam Skarke, Mississippi State University; *Analysis of suspended particulate matter concentrations in Weeks Bay, Alabama using Landsat imagery*
- 019 Poster(s)** ABDUL QADIR*, University of Delaware; Pinki Mondal, University of Delaware; *Synergistic use of optical and Synthetic Aperture Radar (SAR) time series imagery for improved mapping of monsoon crops for small-scale farmers*
- 020 Poster(s)** Lucas Chavez*, Texas State University - San Marcos; Jennifer Jensen, Dr., Academic Advisor; Thom Hardy, Dr., Academic Advisor; *Identifying Dune Blowouts Through the Use of Remote Sensing Classification*
- 021 Poster(s)** Olivia Cronin-Golomb*, Boston University; Justin Freck, University of Maryland Baltimore County; *Assessing the Accuracy of Remotely Sensed Sea Surface Temperature and Chlorophyll-a Concentrations in the South Pacific Ocean*
- 022 Poster(s)** Jennifer Smith*, Assistant Professor, Indiana University Of Pennsylvania; *Exploring coupled-human natural systems in coastal South Carolina: a land cover change analysis*
- 023 Poster(s)** Robin Zhang*, Professor, Murray State University; Steven Collett, Murray State University; *Remote Sensing and In Situ Monitoring of Water Quality in Kentucky Lake: Exploring the Long-Term Field Data Collection and the Contribution of Landsat Imagery*
- 024 Poster(s)** HERVE KASHONGWE*, Graduate Teaching Assistant, South Dakota State University; *Estimates of Forest Canopy Height and Aboveground Biomass Using Airborne Lidar and Landsat-8 OLI in Mai Ndombe Province, Democratic Republic of Congo*
- 025 Poster(s)** Ming Shen*, University of Tennessee; Yingkui Li, University of Tennessee; Nathan McKinney, University of Tennessee; Maofeng Tang, University of Tennessee; *Kudzu Identification using multi-source remote sensing data*
- 026 Poster(s)** Kathleen Stafford*, Salisbury University - Salisbury, MD; Andrea Presotto, PhD, Salisbury University; *The Business Expansion of Northeast Brazil Endangers Nonhuman Primate Cultures*
- 027 Poster(s)** Pu Huang*, Department of Computing Sciences, Texas A&M University-Corpus Christi; Yuxia Huang, Faculty of Department of Computing Sciences, Texas A&M University-Corpus Christi; *Using SOM to identify total suspended matter patterns in Yellow River estuary with MODIS 250 m imagery*
- 028 Poster(s)** Brandon Rose*, Texas State University; *3D Printing: A physical approach to Geovisualization*
- 029 Poster(s)** Jamieson Chaitman*; *Mapping coastal wetlands in Indonesia using topographic indices and Landsat 8 imagery*
- 030 Poster(s)** Shelby Duncan*; Kristina Salvatore, Penn State; Kathryn Jordan, Penn State; *Using Remote Sensing to Visualize the Effects of Wind Speed versus Storm Surge on Power Outages from Hurricanes*
- 031 Poster(s)** Fernando Luis Hillebrand, Universidade Federal do Rio Grande do Sul; Cristiano Niederauer da Rosa, Universidade Federal do Rio Grande do Sul; Juliana Costi, Universidade Federal de Rio Grande; Ulisses Franz Bremer*, Universidade Federal do Rio Grande do Sul; *Mapping of seasonal sea ice in the west of the Antarctic Peninsula with Sentinel 1A images*
- 032 Poster(s)** Laura Egan Krauser*, The University of Louisville; Andrea E. Gaughan, The University of Louisville; Forrest Stevens, The University of Louisville; Alessandro Sorichetta, The University of Southampton; Maksym Bondarenko, The University of Southampton; Son V. Nghiem, Jet Propulsion Laboratory, California Institute of Technology; *Anomalies in Gridded Population Datasets Related to Nighttime Lights*
- 033 Poster(s)** Aric Beehler*, Missouri State University; *Greenway Trail Viewshed Characteristics: Planning Applications Using Gis and Remote Sensing*
- 034 Poster(s)** Natalie Gallegos Nunez*, University of Northern Iowa; *Spatiotemporal Analysis of Supraglacial Streams on the Greenland Ice Sheet from 2009-2017 using Remote Sensing*
- 035 Poster(s)** Jeremy Sandifer*, Kentucky State University; Buddhi R Gyawali, PhD, Kentucky State University; Kevin Gurtowski, Kentucky Cooperative Extension; *Evaluating Changes in Agricultural Productivity for Central Kentucky using Landsat and sUAS derived Vegetation Indices: 1988 to 2018*
- 036 Poster(s)** Roger Auch*, United States Geological Survey, EROS Center; Kristi Saylor, United States Geological Survey, EROS Center; Bruce Pengra, KBRwyle, Contractor to USGS EROS Center; Josephine Horton, Innovate!, Contractor to USGS EROS Center; Janis Taylor, KBRwyle, Contractor to USGS EROS Center; *Land Change in the Piedmont Ecoregion*
- 037 Poster(s)** Shannon Jones*, University of Denver; Michael J Daniels, Ph.D., University of Denver; *Land Use/Land Cover Change in the Ostonal Catchment in Rivas, Nicaragua between 2009 - 2017*
- 038 Poster(s)** Harman Singh*; Erin Arndt*, Pennsylvania State University; *Satellite Analysis of the 2018 Kerala Floods to Study Their Impact on People, Properties and the Environment*
- 039 Poster(s)** Ziaul Hoque*, Indiana State University; *Flood Volume Estimation in the Kurigam region, Bangladesh using Remote Sensing*

THURSDAY, April 4 • 9:55 AM - 11:35 AM • Poster Sessions

- 040 Poster(s)** Britta Fast*, *High-resolution 3D mapping and terrain roughness analysis for vegetation change monitoring*
- 041 Poster(s)** Bingqing Liang, PhD, Mentor from REU IDREHSI; Clarice Norton*, University of Texas at Austin; *Performing LiDAR data point cloud reduction using hyperspectral imaging*
- 042 Poster(s)** Yanyan Liu*, University of West Florida; Zhiyong Hu, University of West Florida; *Random forest based land use/cover classification from Sentinel-2 imagery for an urban environment*
- 043 Poster(s)** Brittany Casey*, West Virginia University; Edward Brzostek, West Virginia University; Nicolas Zegre, West Virginia University; Luis Andres Guillén, West Virginia University; Nanette Raczka, West Virginia University; Brenden McNeil, WVU; *Improving forest water balance models by quantifying tree species differences in crown architecture and evapotranspiration*
- 044 Poster(s)** Yaxiong Ma*, Boston University; Sucharita Gopal, Boston University; *Mapping the dynamics of floating vegetation in Lake Kyoga and its linkage to satellite lakes*
- 045 Poster(s)** Amr Fahil*, University of North Carolina Wilmington; Eman Ghoneim, PhD, University of North Carolina Wilmington; Mohamed Atef Noweir, PhD, Tanta University; Alaa Masoud, PhD, Tanta University; *Using Satellite Remote Sensing and GIS modeling to Detect New Potential Sites for Geothermal Energy Along the Gulf of Suez Rift, Egypt.*
- 046 Poster(s)** Troy Saltiel*, University of Delaware; Zachary Cannon, University of Delaware; Michael A O'Neal, PhD, University of Delaware; James E Pizzuto, PhD, University of Delaware; Brian Hanson, PhD, University of Delaware; *The effects of freeze-thaw processes on river bank erosion in the White Clay Creek watershed of Delaware and Pennsylvania.*
- 047 Poster(s)** Scott Graves*, Associate Professor, Southern Connecticut State University; *Use of μ UAS in enhancing/validating SLAMM Model predictions of Sea Level Rise and Coastal Wetland Migration Pathways.*
- 048 Poster(s)** Klaus Bayr*, Keene State College; *The location of the terminuses of the Franz Josef, Fox (New Zealand) and Langtang Lirung Glaciers (Nepal).*
- 049 Poster(s)** Lauren Childs-Gleason*, NASA DEVELOP National Program; *Building Capacity to Use NASA Earth Observations*
- 050 Poster(s)** Jessica Castro*, *Advancing Hyperspectral Mapping of Biological Soil Crusts in Drylands*
- 051 Poster(s)** Clare Gaffey*, PhD Student, Clark University; Alexander Buyantuev, Assistant Professor, University at Albany, SUNY; Andrei Lapenis, Professor, University at Albany, SUNY; *A comparison of white spruce phenology detected from ground, satellite, and drone's eye view*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Thursday-047-9:55 a.m. Progress in Household Water Insecurity Experiences 2: Advances in Methods (Sponsored by Water Resources Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Wendy Jepson, Texas A&M University

CHAIR: Wendy Jepson, Texas A&M University

- 9:55** Sonia Hoque*, University of Oxford; Robert Hope, University of Oxford; *Water security and risks – Early findings from a 'water diary' study in Bangladesh, Ethiopia and Kenya*
- 10:15** Flavia Bonolo Dantas*, Texas A&M University; Wendy Jepson, Texas A&M University; Jader Santos, Universidade Federal do Ceará; *"But who are you thinking of giving these cameras to?": Reflections on Photovoice for Research Household Water Insecurity in Urban Brazil*
- 10:35** Elijah Bisung*, Queen's University; Sarah Dickin, Stockholm Environment Institute; *Measuring empowerment in the water and sanitation sector: Concept mapping with stakeholders in Ghana and Burkina Faso*
- 10:55** Sarah Smiley*, Kent State University; Andrew Curtis, Kent State University; *Using Spatial Video to Analyze and Map Water Access Challenges in Dar es Salaam, Tanzania*

- 11:15** Olivia Molden*, University of Oregon; *Story-mapping Household Water Insecurity in Nepal's Kathmandu Valley*

Thursday-048-9:55 a.m. Hazards, Risks, and Disasters 2 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Brian Pompeii, Christopher Newport University

- 9:55** François Martin*, *Flash flood risk mapping: Simulation of the flood event of October 2015 in the French Riviera*
- 10:15** Christopher Amante*, CIRES, University of Colorado Boulder and NOAA National Centers for Environmental Information; *Uncertain Seas: Probabilistic Modeling of Future Coastal Flood Zones*
- 10:35** Daria Andrievskikh*, Texas State University - San Marcos; Christina Lopez, Texas State University - San Marcos; Richard Earl, Texas State University - San Marcos; *Understanding Flood Risk Perceptions among Students: A Case Study of Texas State University, San Marcos*
- 10:55** Tian Liu*, Beijing Normal University - Beijing; Peijun Shi, DOCTOR, Faculty of Geographical Science, Beijing Normal University, Beijing 100875, China; *Spatiotemporal patterns and influencing*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

factors of mortality of climatological-meteorological-hydrological disaster in the world (1965-2016)

- 11:15** Devin Lea*, University of Oregon; Sarah Pralle, Syracuse University; *Propertied interests and their influence on flood hazard maps in the United States National Flood Insurance Program*

Thursday-049-9:55 a.m. AAG, IASSA and IASC Panel:

Arctic Sciences: State of the Art, Trends and Priorities (Sponsored by Polar Geography Specialty Group, Canadian Studies Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Andrey Petrov, University of Northern Iowa

CHAIR: Andrey Petrov, University of Northern Iowa

Introduction(s): Andrey Petrov, Associate Professor, University of Northern Iowa

Thursday-051-9:55 a.m. W2_1 Incorporating Lidar and High-Quality Hydrographic and Topographic Data into Your Geographic Information Science, Remote Sensing, as well as Natural - Human Systems Curriculum and Research

Room: Johnson, Marriott, Mezzanine Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Thursday-052-9:55 a.m. The Conversation Continues: Mental Wellbeing in Geography (Sponsored by Retired Geographers Affinity Group, Careers and Professional Development, Task Force on Mental Health of the AAG)

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Fred Shelley, University of Oklahoma; Lydia Pulsipher, University of Tennessee

CHAIR: Fred Shelley, University of Oklahoma

Panelist(s): Stanley Brunn, University of Kentucky; Lydia Pulsipher, Dr., University of Tennessee; William Rense, Professor of Geography - Retired; Jeffrey Ueland, Associate Professor and Chair, Bemidji State University; Julie Winkler, Professor, Michigan State University; Deborah Metzel, Retired, University of Massachusetts - Boston

Thursday-053-9:55 a.m. New Methods and Perspectives in Health Geographies

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Zachary Christman, Rowan University

9:55 Jamie Pearce*, Centre for Research on Environment, Society and Health, University of Edinburgh, UK; Niamh K Shortt, Dr, Centre for Research on Environment, Society & Health, University of Edinburgh, UK; Fiona M Caryl, Dr, MRC/CSO Social and Public Health Sciences Unit, University of Glasgow, Glasgow, UK; Richard Mitchell, Professor, MRC/CSO Social and Public Health Sciences Unit,

University of Glasgow, Glasgow, UK; *Socioeconomic Inequalities in children's exposure to tobacco retailing using nationally representative GPS data*

- 10:15** Yoo Min Park*, Geography & GIS, University of Illinois at Urbana-Champaign; Mei-Po Kwan, Geography & GIS, University of Illinois at Urbana-Champaign; *How does human mobility affect urban segregation and environmental injustice? A spatiotemporal approach*

- 10:35** Jing Ma*, Beijing Normal University; Yinhua Tao, Peking University; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; *Mobility-based Real-time Air Pollution Exposure Assessment using Smart Sensor and GPS Data: A Case Study in Beijing*

- 10:55** Zachary Christman*, Department of Geography, Planning, and Sustainability, Rowan University; Allison Heid, Rowan University School of Osteopathic Medicine; Maureen Wilson-Genderson, Temple University; Rachel Pruchno, New Jersey Institute for Successful Aging, Rowan University School of Osteopathic Medicine; *Using virtual field observations to evaluate the influence of neighborhood context on human wellbeing.*

Thursday-054-9:55 a.m. Critical Physical Geography and Agrarian Transformations II (Sponsored by Cultural and Political Ecology Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jenny Goldstein, Cornell University; Lisa Kelley, University of Hawaii - Manoa

CHAIR: Jenny Goldstein, Cornell University

Panelist(s): Karl Zimmerer, Professor, Pennsylvania State University; Annie Shattuck, University of California - Berkeley; Gregory Simon, Associate Professor, University of Colorado Denver; Rachel Bezner Kerr, Associate Professor, Cornell University

Discussant(s): William Moseley, Professor of Geography, Macalester College

Thursday-056-9:55 a.m. Mosquitoes and Malaria

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: John Bandzuh, Florida State University

- 9:55** Martin Abbott*, Cornell University; *Madras, malaria, and the making of the water-tidy city*

- 10:10** Amanda Hoffman-Hall*, Graduate Student, University of Maryland; Tatiana V. Loboda, PhD, University of Maryland College Park; *More than Mosquitoes: Malaria Risk in Ann Township, Myanmar*

- 10:25** James L. Martin*, Quantitative Disease Ecology and Conservation Lab, Department of Geography, University of Florida, Gainesville, FL, USA; Sadie J. Ryan, Dr., Quantitative Disease Ecology and Conservation Lab, Department of Geography, University of Florida, Gainesville, FL, USA; Anna M. Stewart-Ibarra, Dr., Institute for Global Health and Translational Science, SUNY Upstate Medical University Syracuse, NY, USA; Erin A. Mordecai, Dr., Biology Department, Stanford University, Stanford,

THURSDAY, April 4 • 9:55 AM - 11:35 AM

CA 94305; Froilan D. H. Heras, Universidad Técnica de Machala, Machala, Ecuador; Efraín B. Ayala, Dr., Universidad Técnica de Machala, Machala, Ecuador; *Socioecological Systems Analysis of Household Aedes aegypti risk in Huaquillas, Ecuador*

- 10:40** Stephanie J. Mundis*, University of Florida, Department of Geography, Quantitative Disease Ecology and Conservation Lab; University of Florida Emerging Pathogens Institute; Sadie J. Ryan, PhD, University of Florida, Department of Geography, Quantitative Disease Ecology and Conservation Lab; University of Florida Emerging Pathogens Institute; *Spatial dependence and the role of landscape factors as predictors of insecticide resistance in Aedes aegypti mosquitoes across Florida*

- 10:55** Catherine A Lippi*, University of Florida; Anna M Stewart-Ibarra, SUNY Upstate Medical University; ME Franklin Bajana Llor, Ministerio de Salud Pública, Guayaquil, Ecuador; Jose E Duenas Zambrano, Ministerio de Salud Pública, Guayaquil, Ecuador; Nelson A Epinoza Lopez, Ministerio de Salud Pública, Guayaquil, Ecuador; Jason K Blackburn, University of Florida; Sadie J Ryan, University of Florida; *Geographic shifts in Aedes aegypti habitat suitability in Ecuador using larval surveillance data and ecological niche modeling: implications of climate change for public health vector control*

- 11:10** John Bandzuh*, Florida State University; Christopher Uejio, Ph.D., Florida State University; Mary Hayden, Ph.D., University of Colorado; Kacey Ernst, Ph.D., University of Arizona; *Knowledge and practices related to malaria and mosquito control: Sumba Island, Indonesia*

Thursday-057-9:55 a.m. Spatiotemporal Methods For Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Xujiao Wang, Texas State University

- 9:55** Michael Richard Desjardins*, University of North Carolina - Charlotte; Center for Applied Geographic Information Science; Claudio Owusu, University of North Carolina - Charlotte; Center for Applied Geographic Information Science; Kathleen Baker, Western Michigan University; Eric Delmelle, University of North Carolina - Charlotte; Center for Applied Geographic Information Science; *Exploring the impact of residential mobility on cluster detection of chlamydia infections: results from surveillance data of Kalamazoo County, Michigan*

- 10:15** Youngseob Eum*, University At Buffalo; Eun-Hye Yoo, University at Buffalo; *The effects of influenza-like symptoms on human mobility patterns in Buffalo metropolitan area, New York, the 2016–2017 influenza season*

- 10:35** Dan Cheng*, George Mason University; Dieter Pfoser, George Mason University; *Urban Mobility As Seen Through the Social Media Lens*

- 10:55** Meng Lu*, Oliver Schmitz, Utrecht University; Ivan Soenario, Utrecht University; Ilonca Vaartjes, Julius Center, UMC, Utrecht; Derek Karssenbergh, Utrecht University; *Air pollution exposure assessment across a population in data sparse situations*

- 11:15** Andreas Forø Tollefsen*, Peace Research Institute Oslo (PRIO); Siri Aas Rustad, Peace Research Institute Oslo (PRIO); Gudrun Østby, Peace Research Institute Oslo (PRIO); Ola Rosling, Gapminder Foundation; *Mapping vulnerable populations: A new dataset on poverty and conflict exposure at the local level*

Thursday-058-9:55 a.m. Urbanization, Coastal Vulnerability, and Sustainability (II): Urban Infrastructures and Hazards (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR: Peng Fu, University Of Illinois, Urbana Champaign - Urbana, IL

- 9:55** Andrew Grundstein*, University of Georgia; Yanzhe Yin, The University of Georgia; Navid Hashemi, The University of Georgia; Deepak Mishra, The University of Georgia; Laksmish Ramaswamy, The University of Georgia; John Dowd, The University of Georgia; *Utilizing low cost temperature sensors for analyzing and mitigating urban heat hazards.*

- 10:15** Sangwoo Sung*, East Carolina University; Bumseok Chun, Texas Southern University; Jiwan Pun Thapa, Texas Southern University; Sugie Lee, Hanyang University; *Impact of Urbanization on Diurnal and Nocturnal Urban Thermal Environment using Air Temperature Big Data: A Case of Seoul Metropolitan Area, Korea*

- 10:35** Yuanfan Zheng*, Center for Urban and Environmental Change, Indiana State University; Qihao Weng, Center for Urban and Environmental Change, Indiana State University; *Modeling the effect of climate change on building energy demand in Los Angeles County using a GIS-based high spatial- and temporal-resolution approach*

- 10:55** Wenliang Li*, University of North Carolina - Greensboro; *A new methodology for quantifying urban building energy use*

- 11:15** Peng Fu*, University of Illinois; *A physically based model for retrieving land surface temperature under cloudy skies in urban areas*

Thursday-060-9:55 a.m. Symposium on Frontiers in Geospatial Data Science: Synergizing Geospatial Data Science with Domain Applications II: Public Health

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Guofeng Cao, Texas Tech University; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Guofeng Cao, Texas Tech University

- 9:55** Aapeli Leminen*, University of Eastern Finland; Mikko Pyykönen, University of Eastern Finland; Markku Tykkyläinen, University of Eastern Finland; Tiina Laatikainen, Institute of Public Health and Clinical Nutrition, University of Eastern Finland, Kuopio, Finland; Joint municipal authority for North Karelia social and health services, Joensuu, Finland; Department of Public Health Solutions, National Institute for Health and Welfare (THL), Helsinki,

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Finland; *Patient's time and travel costs in the treatment of atrial fibrillation: Savings achievable with the shift from warfarin to new oral anticoagulants*

10:15 Imam Xierali*, UT Southwestern Medical Center; *Physician Migration Into and Out of Texas*

10:35 Jihoon Jung*, Florida State University; Christopher K. Uejio, Florida State University; Chris Duclos, Florida Department of Health; Melissa Jordan, Florida Department of Health; Keshia Reid, Florida Department of Health; Kristina Kintziger, University of Tennessee; Tabassum Insaf, New York State Department of Health; *Vulnerability to heat exposure at the county level in Florida*

10:55 Gina Li*, University of Colorado, Boulder; Colleen Reid, University of Colorado, Boulder; Brian Zaharatos, University of Colorado, Boulder; *The Association between Heat and Mortality in Virginia Climate Divisions*

11:15 Jingyan Wu*, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, State Key Laboratory of Earth Surface Processes and Resource Ecology, Academy of Disaster Reduction and Emergency Management, Faculty of Geographical Science, Beijing Normal University; Saini Yang, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, State Key Laboratory of Earth Surface Processes and Resource Ecology, Academy of Disaster Reduction and Emergency Management, Faculty of Geographical Science, Beijing Normal University; Yaqiao Wu, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, State Key Laboratory of Earth Surface Processes and Resource Ecology, Academy of Disaster Reduction and Emergency Management, Faculty of Geographical Science, Beijing Normal University; *Comparative Analysis of Early warning Indices on Heat Wave in Mega Cities—Case study of Shanghai, China*

Thursday-061-9:55 a.m. Geospatial Approaches to Cancer Control and Population Sciences: What's Happening and What's Needed?

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison B, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): David Berrigan, U.S. National Institutes of Health - National Cancer Institute

CHAIR: David Berrigan, U.S. National Institutes of Health - National Cancer Institute

Introduction(s): David Berrigan, U.S. National Institutes of Health - National Cancer Institute

Panelist(s): Sara McLafferty, Professor, University of Illinois; Zaria Tatalovich, PHD, National Cancer Institute; John Wilson, Director, Spatial Sciences Institute, University Of Southern California; Gary Ellison, National Cancer Institute

Discussant(s): David Berrigan, U.S. National Institutes of Health - National Cancer Institute

Thursday-062-9:55 a.m. Land Use and Land Cover Change II

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: SYED MOHAMMAD ASIFUL ALAM, University of Georgia

9:55 Xuesong Kong*, Chaohui Yin, Wuhan University; Yaolin Liu, Wuhan University; Jing Wang, Wuhan University; Zhifeng Jin, Wuhan University; *Spatiotemporal change of ecologically functional land in China: A quantity-quality coupling perspective*

10:15 Emily Mills*, Chesapeake Conservancy; *High-Resolution Data Supports Precision Conservation in the Susquehanna*

10:35 Gang Chen*, University of North Carolina at Charlotte; *Stand age estimation of rubber plantations using satellite time series*

10:55 Saeideh Gharehchahi*, Texas State University - San Marcos; Jennifer L.R. Jensen, Texas State University; *Spatial and temporal monitoring of glacial surfaces and their linkages with glacier lake formation: a study of remote sensing methods to detect glacial crevasses*

11:15 SYED MOHAMMAD ASIFUL ALAM*, University of Georgia; PUNEET DWIVEDI, University of Georgia; *Modeling Site Suitability of Carinata in the Southeastern United States for Sustainable Bio-Jet Fuel Production*

Thursday-063-9:55 a.m. The Role of Urban Resilience, Climate Change Adaptation, and Sustainability Planning in Disaster Risk Reduction: Session #2 (Sponsored by Urban Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Regional Development and Planning Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Philip Gilbertson, Arizona State University; Sara Meerow, University of Michigan

CHAIR: Philip Gilbertson, Arizona State University

9:55 Elizabeth Yarina*, MIT; Miho Mazereeuw, MIT, Urban Risk Lab; *Archipelagoes of Risk: Climate Adaptation and Hurricane Preparedness in US Island Territories*

10:15 Kristina Hill, PhD, University of California - Berkeley; Daniella Hirschfeld*, University of California - Berkeley; Ellen Plane, University of California - Berkeley; *Adapting to sea level rise: Unique measures of physical pilot projects*

10:35 Heejun Chang*, Portland State University; Chang-yu Hong, Portland State University; Sam Markolf, Arizona State University; David Yu, Purdue University; *Toward flood resilience cities: Lessons from four North American Cities*

10:55 Bokjin Roh*, The University of Arizona; *Stakeholder engagement and collaboration in urban flood risk management: review of case studies*

11:15 Philip Gilbertson*, Arizona State University; Sara Meerow, Ph.D., Arizona State University; *Evaluating the potential for urban resilience planning to mitigate long-term flood risks*

Thursday-064-9:55 a.m. Spatial Dimensions of Education: Using Spatial Data Exploration and Analysis to Understand Educational Inequality (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kendra Taylor, Sanamatrix; Doug Geverdt; Andrea Conner, Sanamatrix

THURSDAY, April 4 • 9:55 AM - 11:35 AM

CHAIR: Kendra Taylor, Sanamatrix

9:55 Megan Evans*, Pennsylvania State University; *Defining Neighborhoods: How Spatial Contexts Matter for Educational Expectations*

10:15 Emily Schondelmyer*, U.S. Bureau Of the Census; Laura Nixon, US Census Bureau; *Defining Areas to Adjust for Spatial Differences in Educational Purchasing Power*

10:35 Joanna D. Sánchez*, PhD, Excelencia in Education; *Knowing your SERVICE Area: Using GIS to Highlight the Postsecondary Needs of Latino Communities Served by HSIs and Emerging HSIs*

10:55 Kendra Taylor*, Sanamatrix; Doug Geverdt*, *The Geography of School District Income Inequality*

11:15 Maraki Kebede*, Pennsylvania State University; *Race in Rural Places: Rural School District Demographics in America*

Thursday-065-9:55 a.m. Rural Land Systems and Landscapes II (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Burak Guneralp, Texas A&M University; Hannah Gosnell, Oregon State University; Jacqueline Vadjunec, Oklahoma State University

CHAIR: Alexandra Paige Fischer, School for Environment and Sustainability

9:55 Fernanda Ramirez Saenz*, Oklahoma State University; Jacqueline M. Vadjunec, Ph.D., Associate professor in the Department of Geography at Oklahoma State University; Todd Fagin, Ph.D., Oklahoma Biological Survey; *Female Inclusion and Gendered Equality in the Southern Great Plains Agriculture*

10:15 Adam Dixon*, *Integration of soundscape measurements in intensive agricultural mosaics*

10:35 Molly Polk*, University of Texas at Austin; Niti B. Mishra, Ph.D., University of Wisconsin – La Crosse; Kenneth R. Young, Ph.D., University of Texas at Austin; *Near universal greening trends across Peru's diverse environments*

10:55 Alexandra Paige Fischer*, School for Environment and Sustainability; *Socio-ecological adaptation to climate change in temperate forests*

11:15 MUNSHI RAHMAN*, University of Wisconsin - Eau Claire; Thomas Crawford, Virginia Tech; Scott Curtis, East Carolina University; M. Giashuddin Miah, Bangabandhu Sheikh Mujibur Rahman Agricultural University; M. Rafiqul Islam, Bangabandhu Sheikh Mujibur Rahman Agricultural University; Bimal Paul, Kansas State University; *When Riverbank Erosion Strikes the Land: A Real-time Experience from Coastal Bangladesh*

Thursday-066-9:55 a.m. New Records of Paleoenvironmental Change 2 (Sponsored by Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group, Climate Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Matthew Kerr, The University of Tennessee

CHAIR: Matthew Kerr, The University of Tennessee

9:55 Miranda Jordan*, Missouri State University; Robert T Pavlowsky, Missouri State University; Ozarks Environmental and Water Resources Institute; *Watershed disturbance history as interpreted through floodplain core analysis Big River Watershed, Ozark Highlands, Missouri.*

10:15 Stephen Cooper, University of Georgia; Scott Reinemann, Miami University, Ohio; Bryan Mark, The Ohio State University; Jim DeGrand, The Ohio State University; David Porinchu*, University of Georgia; *A lake sediment-based reconstruction of fire history spanning the last two millennia from Great Basin National Park, NV*

10:35 Duncan Cook*, Dr, Australian Catholic University; Dan Penny, University of Sydney; Timothy Beach, University of Texas at Austin; Sheryl Luzzadder-Beach, University of Texas at Austin; David McGee, Massachusetts Institute of Technology; Quan Hua, ANSTO; *The Maya Resilience Project: climate variability and human response in the Maya lowlands of Central America*

10:55 Jacob Cecil*, University of Tennessee; Cathy E. Smith, University of Edinburgh; Sally P. Horn, University of Tennessee; Mathew S. Boehm, University of Tennessee; Chad S. Lane, University of North Carolina Wilmington; *A Multiproxy Record of Paleoenvironmental Change from a Belizean Pine Savanna*

Thursday-067-9:55 a.m. Author Meets Critics: Nick Estes' Our History is the Future: Standing Rock versus the Dakota Access Pipeline, and the Long Tradition of Indigenous Resistance (Sponsored by Indigenous Peoples Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kai Bosworth, Brown University

CHAIR: Michelle Daigle, University of British Columbia

Panelist(s): Kai Bosworth, Visiting Assistant Professor, Brown University; Andrew Curley, University of North Carolina - Chapel Hill; Shiri Pasternak, Columbia University; Khury Petersen-Smith, Institute for Policy Studies; Nick Estes

Thursday-068-9:55 a.m. Transformative Research in Geography Education

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Michael Solem, National Center for Research in Geography Education

CHAIR: Michael Solem, National Center for Research in Geography Education

Introduction(s): Michael Solem, Co-Director, National Center for Research in Geography Education

Panelist(s): Rebecca Theobald, Assistant Research Professor, University of Colorado Colorado Springs; Coline Dony; Chew-Hung Chang, Assoc Prof, Nanyang Technological University

Thursday-069-9:55 a.m. Career Mentoring B (Sponsored by Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Mark Revell, American Association of Geographers

THURSDAY, April 4 • 9:55 AM - 11:35 AM

- 9:55 Discussant(s):** Jonathan Wessell, Adjunct Faculty, Grand Valley State University
- 10:05 Discussant(s):** Zachary Suriano, University of Nebraska - Omaha
- 10:14 Discussant(s):** Andries Heyns, Postdoc, University of Pretoria
- 10:23 Discussant(s):** Joseph Scarpaci, Executive Director, Center for the Study of Cuban Culture + Economy
- 10:32 Discussant(s):** Daniel Hammel, University of Toledo
- 10:41 Discussant(s):** Richard Quodmine, Senior Lead GIS Analyst, City of Philadelphia
- 10:50 Discussant(s):** Rachel Berndtson, University of Maryland - College Park
- 10:59 Discussant(s):** Denise Blanchard, Professor, Texas State University
- 11:08 Discussant(s):** Susan Gidley
- 11:17 Discussant(s):** Zoe Pearson, Assistant Professor, University of Wyoming
- 11:26 Discussant(s):** Melvin Johnson, Dr., University of Wisconsin-Manitowoc

Thursday-072-9:55 a.m. Permafrost Regions in Transition (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Climate Specialty Group)

- Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Dmitry Streletskiy, George Washington University
CHAIR: Dmitry Streletskiy, George Washington University
- 9:55 Kelsey Nyland***, Michigan State University; *The Cryoplanation Controversy in Geomorphic Literature*
- 10:15 Dmitry Streletskiy***, George Washington University; Luis Suter, The George Washington University; Nikolay Shiklomanov, The George Washington University; *The cost of permafrost to Russian economy*
- 10:35 Nikolay Shiklomanov***, Department of Geography, The George Washington University, Washington DC; Frederick E. Nelson, Department of Earth, Environmental, and Geographical Sciences, Northern Michigan University, Marquette, MI; Dmitry A Streletskiy, Department of Geography, The George Washington University, Washington DC; Anna E Klene, Department of Geography, University of Montana, Missoula MT; *The Circumpolar Active Layer Monitoring Network-CALM: Long-term Observations on the Climate-Active Layer-Permafrost System*
- 10:55 Oliver Frauenfeld***, Texas A&M University; Xiaoping Peng, Lanzhou University; Tingjun Zhang, Lanzhou University; *250 Years of Soil Freeze Depth Changes in Eurasia*

Thursday-073-9:55 a.m. Local Governance and New Challenges in Urban Policy in a Changing World 2: Aspects of urban development I

- Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Eran Razin, Hebrew University; Carlos Nunes Silva, University of Lisbon
CHAIR: Carlos Nunes Silva, University of Lisbon
- 9:55 Falguni Mukherjee***, Sam Houston State University; *Social Construction of GIS and Networks of Association for Urban e-governance – The case of an Urban Local Body in India*

- 10:15 Gidon Jakar***, University of Michigan; *Local Government Strategic vs. Short-cited Centralized Planning: The Gap between Planning and Implementation of Sport Development Projects in Israeli Cities*
- 10:35 Emil Evenhuis***, Dr., Geography and Environmental Science; *Governance Evolution and City Economic Development: Comparing the Pathways of Five British Cities*
- 10:55 ROBERT STEVENS***, SHEFFIELD HALLAM UNIVERSITY; *“Urban Entrepreneurialism, governance and a new city regional privatism”? A review of city regional policy agendas in England*
- 11:15 Mayang Puteri***, The University of Manchester; *Urban Governance in Informal Urban Fishing Communities in Indonesia: Locating Local Governance and Participation in New Urban Agenda*

Thursday-074-9:55 a.m. Location Intelligence: Business Geography Research and Applications 1 (Sponsored by Business Geography Specialty Group, Careers and Professional Development)

- Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Tony Hernandez, Ryerson University
CHAIR: Tony Hernandez, Ryerson University
- 9:55 Introduction(s):** Tony Hernandez, Director, CSCA, Ryerson University
- 10:05 Joe Tokosh***, Kent State University; *Is the Macy's in my mall going to close? Uncovering the factors associated with the closures of Macy's, Sears, and J.C. Penney stores*
- 10:20 Shuguang Wang***, Ryerson University; *Dollarama's Location Strategy: A Real Estate Perspective*
- 10:35 Murray Rice***, University of North Texas; Judith Forney, University of North Texas; Dee Knight, University of North Texas; Linda Mihalick, University of North Texas; *Geography, Real Estate, and Merchandising: Assessing and Extending the Application of GIS Technologies in the Retail Sector*
- 10:50 Brian Ceh***, Associate Professor, Ryerson University; Nana Ntim, Ryerson University; Oskaycan Turanoglu, Ryerson University; *Effects of Large Retailers on Local-Regional Development, A Comparison of Urban, Suburban, and Exurban Locations in Greater Toronto, Canada*
- 11:05 Lawrence Joseph***, KFC; *The Role of Big Data in Retail Location Decision Making*
- 11:20 Tony Hernandez***, Director, CSCA, Ryerson University; *Next generation trade areas and mobile analytics*

Thursday-080-9:55 a.m. Preparing for the 2020 Census

- Room: Palladian, Omni, West (Panel)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census
CHAIR: Michael Ratcliffe, U.S. Bureau Of the Census
- Panelist(s):** Michael Ratcliffe, Asst. Div. Chief, Geographic Standards, Criteria, Research, & Quality, U.S. Bureau Of the Census; John Abowd, Associate Director for Research and Methodology, and Chief Scientist, US Census Bureau; Ron Jarmin, Deputy Director, US Census Bureau; Deirdre Dalpiaz Bishop, U.S. Bureau Of the Census; Jason Devine, Assistant Division Chief for Census Programs, Population Division, US Census Bureau

THURSDAY, April 4 • 9:55 AM - 11:35 AM**Thursday-081-9:55 a.m. Economic Geography VII - Innovation Systems, Clusters, FDI, and Regional Industrial Dynamics (Sponsored by Economic Geography Specialty Group)**

Room: Diplomat Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Jennifer Clark, Georgia Institute of Technology

9:55 Canfei He*, Peking University; *Understanding Regional Industrial Dynamics in China***10:15** Markus Steen, Department of Technology Management, SINTEF Digital, Trondheim; Asbjørn Karlsen, Department of Geography, Norwegian University of Science and Technology, Trondheim; Henrik Brynthe Lund*, Department of Geography, Norwegian University of Science and Technology, Trondheim; *High-tech manufacturing clusters, knowledge specialisation and innovation systems***10:35** Dario Diodato*, Harvard Kennedy School; Ulrich Schetter, University of St. Gallen; *Pathways to Prosperity: Economic Development With a Network of Industries***10:55** Kolja Hesse*, *Regional vs. firm relatedness: What drives radical innovations?***11:15** Marco Di Cataldo*, London School of Economics; Riccardo Crescenzi, London School of Economics; Mara Giua, Roma Tre University; *FDI inflows and impact in European regions: What role for investment promotion agencies?***Thursday-082-9:55 a.m. The Geographies of Spatial Justice: Space, Scale and Territory 2**

Room: Directors Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rhys Jones; Sami Moisio, University of Helsinki; Apostolos Papadopoulos, Harokopio University, Department of Geography

CHAIR: Sami Moisio, University of Helsinki

9:55 Tomasz Komornicki*, Institute of Geography and Spatial Organization Polish Academy of Sciences; *Migration impact on the scale of territorial inequalities and spatial justice in Poland***10:15** Rhys Jones*, Bryonny Goodwin-Hawkins, Aberystwyth University; *Governing the future and the search for spatial justice***10:35** Thomas Lambourne*, University of South Wales; *A 'Pop-up' Geography: Uncovering place uniqueness through narratives of home***10:55** Joe Painter*, University of Durham; *Social Innovation, Spatial Justice and the City***11:15 Discussant(s):** Mary Gilmartin, Dr. Maynooth University**Thursday-083-9:55 a.m. Access to Education and Knowledge**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Michael Gould, Esri

9:55 Anindita Chatterjee*, University of Minnesota; *A tale of two cases: intellectual property battles and access to knowledge in India***10:15** Sahab Deen*, Jawaharlal Nehru University; *Impact of Reservation on Access and Levels of Attainment in Higher Education among the Scheduled Castes in India***10:35** Denise Goerisch*, Grand Valley State University; Karyn Rabourn, Grand Valley State University; *Making Space for Adult Learners in Higher Education***10:55** Emma Slayton*, Jessica Benner*, Carnegie Mellon University; *The Role of Academic Libraries in Geography and GIS Education***11:15** Michael Gould*, Esri; *On the need for GI Science promotion in developing nations***Thursday-084-9:55 a.m. Critical Environmental Justice (I) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**

Room: Executive Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Anthony Levenda, Arizona State University; Erin Goodling

CHAIR: Erin Goodling

9:55 Ian Baran*, University of California - Irvine; Anthony Levenda*, Arizona State University; *The role of environmental impact reports in prison abolition movements***10:15** Sara Perl Egendorf*, CUNY Graduate Center; Zani Simmons, JUST SOIL; Erycka de Jesus, NYC Compost Project hosted by Big Reuse; *JUST SOIL: Participatory Research for Limiting the Legacy of Lead***10:35** Tamara Spikes, Georgia State University; Richard Milligan*, Georgia State University; *Diversifying Environmental Advocacy in Atlanta Watersheds***10:55** Jill Harrison*, University of Colorado At Boulder; *White Supremacy, the Environment, and the State in EJ Scholarship***Thursday-086-9:55 a.m. Urban Inequality II (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, China Specialty Group)**

Room: Senate Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Yehua Dennis Wei, University of Utah; Jan Nijman, Georgia State University

CHAIR: Sebastien Breau, McGill University

9:55 C. Cindy Fan*, UCLA; Tianjiao Li, UCLA; *Second Homes in Urban China: Analysis of the 2015 China Household Finance Survey***10:15** Han Li*, Department of Geography and Regional Studies, University of Miami; Yehua Dennis Wei, Department of Geography, University of Utah; *Analyzing Housing Price Changes since the Financial Crisis: How Does Geography Matter?***10:35** Abigail Cooke*, University at Buffalo; Jessie P.H. Poon, University at Buffalo-SUNY; *Are Rust Belt cities left behind?***10:55** Shaojian Wang*, Sun Yat-sen University; *Inequalities in carbon intensity in China: a multi-scalar and multi-mechanism analysis***11:15** Mark Boyle*, University of Liverpool; *Humans need not apply? On the relationship between artificial intelligence and inclusive growth*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Thursday-087-9:55 a.m. Unfreedom in Contemporary Labour Regimes 1 (paper session)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Siobhan McGrath, Durham University; Louise Waite

CHAIR: Siobhan McGrath, Durham University

9:55 Louise Waite*, Professor of Human Geography, University of Leeds; *Trafficking, unfreedom and modern slavery in the UK*

10:15 Emily Reid-Musson*, University of Waterloo; Kendra Strauss, Associate Professor, Morgan Labour Studies Program, Simon Fraser University; Ellen MacEachen, Associate Professor, School of Public Health and Health Systems, University of Waterloo; *The family farm and unfree labour relations*

10:35 Nabeela Ahmed*, King's College London; *Mobilities of (un)freedom – precariousness, agency and social protection access among labour migrants in urban India*

10:55 Taneesha Mohan*, n.a.; *Agrarian Capitalism and the 'Regime of Labour Tying' in Rural India: A Study of West Bengal and Tamil Nadu*

11:15 Masami Tsujita Levi*, National University of Samoa; *Neoliberal Competitions and Local Advantages: The Case of a Japanese Car Parts Factory in the Small Island Developing State of Sāmoa*

Thursday-088-9:55 a.m. Part II: Environmental Migration: Current Realities, Future Prospects (Sponsored by Population Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Cabinet Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Maia Call, The National Socio-environmental Synthesis Center; Robert McLeman, Wilfrid Laurier University

CHAIR: Maia Call, The National Socio-environmental Synthesis Center

9:55 Jack DeWaard, University of Minnesota; Mason Clay Matthews, University of Colorado; Daniel H. Simon, University of Colorado; Fernando Riosmena*, University of Colorado at Boulder; *Operationalizing Trapped Populations*

10:15 Rachel Correll*, Nina Lam, Dr., Louisiana State University; Lei Zou, Dr., Texas A&M University; Volodymyr Mihunov, Louisiana State University; Heng Cai, Dr., Louisiana State University; *Economics and Flood Risk: Modeling Population Migration*

10:35 Alex De Sherbinin*, CIESIN, The Earth Institute at Columbia University; Bryan Jones, CUNY Institute for Demographic Research; Kanta Kumari Rigaud, World Bank; *The Groundswell Modeling Work: Lessons Learned and Work in Progress*

10:55 Robert McLeman*, Wilfrid Laurier University; George Heath, Wilfrid Laurier University; *Drought, socio-economic change and rural population trends on the North American Great Plains*

11:15 **Discussant(s):** Helen Adams

Thursday-089-9:55 a.m. 7. Population Specialty Group: Innovations in data II (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

9:55 April Morton*, Oak Ridge National Laboratory; Nicholas Nagle, University of Tennessee, Knoxville; Jesse Piburn, Oak Ridge National Laboratory; Robert N. Stewart, Oak Ridge National Laboratory; Amy Rose, Oak Ridge National Laboratory; Budhendra Bhaduri, Oak Ridge National Laboratory; Samantha Duchscherer, Oak Ridge National Laboratory; Nathan Trombley, Oak Ridge National Laboratory; *Where's Wendy? Recent Advancements in the High-Resolution and Demographically Detailed UrbanPop Population Model and Database*

10:15 Tom Fitzwater*, United States Census Bureau; *Global Population Geography: Challenges and Opportunities Working with Official Data*

10:35 Michael White*, Brown University; mark Gross, PhD, Brown University; Rebecca Wang, Brown University; Carren Ginsburg, PhD, University of the Witwatersrand; *Migration Methods: Lessons from Following A Highly Mobile Population*

10:55 Anto Aasa*, Pilleriine Kamenjuk, University of Tartu; Erki Saluveer, Positium LBS; *Calculation of population and migration statistics based on mobile positioning data*

11:15 Veronika Mooses*, University of Tartu; Siiri Silm, University of Tartu; *Ethnic differences in outbound travel: a study with mobile phone data*

Thursday-090-9:55 a.m. Urban Data Science VI: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Alex Singleton; Levi Wolf, University of Bristol

CHAIR: Levi Wolf, University of Bristol

9:55 Konstantinos Daras*, University of Liverpool; Mark A Green, University of Liverpool; Alec Davies, University of Liverpool; Alexander Singleton, University of Liverpool; Benjamin Barr, University of Liverpool; *Mapping accessibility to health-related neighbourhood features in Great Britain*

10:15 Alec Davies*, Geographic Data Science Lab, Department of Geography and Planning, University of Liverpool; Mark A Green, Dr, Geographic Data Science Lab, Department of Geography and Planning, University of Liverpool; Alex D Singleton, Prof, Geographic Data Science Lab, Department of Geography and Planning, University of Liverpool; *Using loyalty card records and machine learning to understand how self-medication behaviours vary seasonally in England, 2012-2014*

10:35 Elijah Knaap*, University of California Riverside; Gerrit Knaap, University of Maryland; Nicholas Finio, University of Maryland; Sergio Rey, University of California Riverside; *Spatial Informatics for Measuring Urban Inequality in International Contexts*

10:55 Damilola Eyelade*, University of California; Ighodalo Ijagbone, University of Ibadan; *Sensitivity of the SLEUTH cellular automata model to time intervals between land use inputs*

11:15 Emma Tome*, University of California - Berkeley; *Low-income solar adoption in California*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

Thursday-091-9:55 a.m. Symposium on Human Dynamics Research in the Age of Smart/ Intelligent Systems: Smart Cities and Urban Computing II (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Congressional B, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Bandana Kar, Oak Ridge National Laboratory; Zhenlong LI, University of South Carolina

CHAIR: Bandana Kar, Oak Ridge National Laboratory

9:55 Meilin Shi*, University of California, Santa Barbara; Bingzheng Xu, University of California, Davis; *A simulation of real-time ridesharing model with taxi data*

10:15 Regina Obilie Amoako-Sakyi*, University of Cape Coast; Kwabena Koforobour Agyemang, University of Cape Coast; Prince Kwame Odame, National Disaster Management Organisation; Kingsley Nana Osei, University of Cape Coast; Richard Adade, University of Cape Coast; *Exploring the relationship between child pedestrian safety perception and injury outcomes on routes to school: the Case of Cape Coast metropolitan area*

10:35 Si Chen*, Informatics, University of Illinois at Champaign and Urbana; Shaowen Wang, Department of Geography and Geographic Information Science, UIUC; *A System to Distinguish Last Mile Problem in City of Chicago*

10:55 JINZI WANG*; SHENJUN YAO, Dr.; JIANPING WU, Prof.; *Identifying hazardous driving pattern based on mobility tracks*

11:15 Zhiyuan Yao*, University of Cincinnati; Changjoo Kim, University of Cincinnati; *Is the jobs-housing balance possible to reduce commuting? An empirical study of Cincinnati Metropolitan area based on LEHD data*

Thursday-092-9:55 a.m. Sexual Harassment and Bullying Policies in Academia (Sponsored by , Harassment-Free AAG Initiative)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Empire Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Saskia Van De Gevel, Appalachian State University; Grant Harley, University of Idaho; Lorraine Dowler, Penn State University

CHAIR: Saskia Van De Gevel, Appalachian State University

Panelist(s): Saskia Van De Gevel, Dr., Appalachian State University; Lesley Rigg, Dean, University of Calgary; Grant Harley, University of Idaho; Kathleen Schroeder, Professor and Chair, Appalachian State University; Lesley-Ann Dupigny-Giroux, Professor, University of Vermont

Discussant(s): Lorraine Dowler, Associate Professor, Penn State University; Antoinette WinklerPrins, Program Director, National Science Foundation

Thursday-093-9:55 a.m. Creative Geovisualization—What is Creativity with Geospatial Technologies?

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Philip Nicholson, University of Glasgow

CHAIR: Deborah Dixon, University of Glasgow

Panelist(s): Philip Nicholson, Dr, University of Glasgow; Nick Lally, University of Kentucky; Meghan Kelly, Graduate Student, University of Wisconsin–Madison

Thursday-094-9:55 a.m. Fire-driven Vegetation Change 2 (Sponsored by Biogeography Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Lucas Harris, Pennsylvania State University; Alan Taylor, Pennsylvania State University; Anthony Zhao, The Pennsylvania State University

CHAIR: Anthony Zhao, The Pennsylvania State University

9:55 Scott Markwith*, Florida Atlantic University; Asha Paudel, Florida Atlantic University; Michelle Coppoletta, US Forest Service; Kyle Merriam, US Forest Service; Brandon Collins, US Forest Service; *Successive large mixed-severity wildfires and vegetation and fuel dynamics in the Sierra Nevada, CA*

10:15 John Sakulich*, Regis University; Alan H. Taylor, Pennsylvania State University; *Effects of wildfire on stand structure and composition in Guadalupe Mountains National Park, Texas*

10:35 Anthony Zhao*, The Pennsylvania State University; *Modeling Prescribed Fire Effects on Vegetation Dynamics in Pitch Pine and Mixed-Oak Forests*

10:55 Andrew M Barton*, Ph.D., University of Maine - Farmington; Helen M. Poulos, Ph.D., Wesleyan University; *Vegetation change in Arizona Madrean pine-oak forests following high-severity wildfire: patterns and mechanisms*

11:15 Mark Cochrane*, University of Maryland Center for Environmental Science; Izaya Numata, South Dakota State University; Sonaira S. Silva, Federal University of Acre; *Vegetation outcomes from altered fire regimes: insights from tropical forests*

Thursday-095-9:55 a.m. Urban Geographies of Housing Densification: Exploring Design, Real Estate and Sustainability Agendas in Practice (2)

Room: Blue Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nicola Livingstone, UCL; Catalina Turcu, University College London; Michael Short, University College London

CHAIR: Nicola Livingstone, UCL

9:55 Introduction(s): Nicola Livingstone, UCL

10:05 Catalina Turcu*, University College London; *Urban densification and Housing Development: a critical investigation of the sustainability, place and property-development agendas in Stockholm and London*

10:25 Carola Fricke*, Human Geography, University of Freiburg; *Travelling concepts and material translations in urban housing policy: Urban growth and densification in Freiburg, Germany, beyond the sustainability mantra*

10:45 Lucia Cerrada Morato*, *Local authorities and housing intensification: conviction or imposition*

11:05 Discussant(s): Michael Short, Dr, University College London

11:20 Discussant(s): Nicola Livingstone, UCL

THURSDAY, April 4 • 9:55 AM - 11:35 AM**Thursday-097-9:55 a.m. GeoAI and Deep Learning****Symposium: Geospatial and Spatiotemporal Ontology and Semantics II (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Capital Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Chen-Chieh Feng, Geography, National University of Singapore; Jeon-Young Kang, University of Illinois at Urbana-Champaign

CHAIR: Alexandre Sorokine, Oak Ridge National Laboratory

9:55 Gaurav Sinha*, Associate Professor, Ohio University; Samantha Arundel, Center of Excellence in Geographic Information Science - U.S. Geological Survey; Isabel Gregorek, Ohio University; Christian Slee, Ohio University; David Mark, University at Buffalo, SUNY; *Geomorphometric and toponymic analysis of GNIS terrain feature classes*

10:15 Peng Liang*, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, CAS; Cheng-Zhi Qin, Institute of Geographic Sciences & Natural Resources Research, CAS; A-Xing Zhu, University of Wisconsin-Madison; *A case-based approach to automatic selecting covariates for digital soil mapping*

10:35 Rachel Palumbo*, Laura Thompson, Oak Ridge National Laboratory; Gautam Thakur, Oak Ridge National Laboratory; *Wrangling Points of Interest: Managing VGI Data Heterogeneity with an Ontological Semantic Network for Land Use Mapping and Population Modeling*

10:55 Mikael Brunila*, McGill University; *Word2Vec, Vec2Capital – How Airbnb Uses Neural Networks To Make Markets*

11:15 Discussant(s): Chen-Chieh Feng, Dr, Geography, National University of Singapore

Thursday-098-9:55 a.m. Multispecies Stories of Power and Vulnerability II (Sponsored by Animal Geography Specialty Group, Cultural Geography Specialty Group)

Room: Embassy Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sharon Wilcox, University of Wisconsin; Stephanie Rutherford, Trent University

CHAIR: Sharon Wilcox, University of Wisconsin

9:55 ILANAH TAVES*, 1993; *The Strange Case of the Croydon Cat Killer: Producing Predators in the Multi-Species Metropolis*

10:15 Hannah Fair*, Brunel University London; *Orangutans in the Anthropocene: vulnerability, compassion and digital mediation*

10:35 Jenny Isaacs*, Rutgers University; *"An Epic Journey": The importance of story for long-distance migratory species conservation*

10:55 Heather Rosenfeld*, University of Wisconsin - Madison; *Pandora, Regis, and Gromit: Graphic medicine, witnessing, and transforming interspecies relations at farmed animal sanctuaries*

11:15 Ariel Rawson*, The Ohio State University; *Dysbiotic life: Minding microbes and becoming microbial minds*

Thursday-099-9:55 a.m. Exhaustion, Endurance And Living On...II: Theorising Endurance

Room: Hampton Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Leila Dawney, University of Brighton, UK; Thomas Jellis, University of Oxford

CHAIR: Thomas Jellis, University of Oxford

9:55 Nicholas L. Padilla*, Western Michigan University; *Enduring as an indigenous subjectivity in Cauca, Colombia*

10:15 Edward Kiely*, University of Cambridge; *Enduring the 'holding pattern': Techniques for waiting in post-austerity mental health services*

10:35 Jonathan Darling*, Durham University; *Enduring asylum*

10:55 Leonardo Valenzuela Perez*, "How is this even legal?": *Sacrifice and abandonment in Quintero Bay*

11:15 Discussant(s): Leila Dawney, University of Brighton, UK

Thursday-100-9:55 a.m. Geographies of Digital Games II (Sponsored by Digital Geographies Specialty Group, Media and Communication Geography Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nick Rush-Cooper, Newcastle University

CHAIR: Nick Rush-Cooper, Newcastle University

9:55 Madison Marquer*, University of Wyoming; *Placemaking with Videogames*

10:15 Hovig TER MINASSIAN*, University of Tours (FRANCE); *"Look, there are video games in our area." Territorial anchoring and local activism in the French video game industry*

10:35 Tyler Blackman*, University of Victoria; *Performative Immersion in Virtual Reality Video Games*

10:55 Lindy Westenhoff*, University of Tennessee; Anastashia Blesi, University of Tennessee; *An "Augmented" Sense of Place? Pokémon Go, Accessibility, and Avenues of Marginalization*

11:15 Discussant(s): James Ash, Newcastle University

Thursday-101-9:55 a.m. Food Sovereignty and the Geographies of Food System Change 2 (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Bryan Dale, University of Toronto; Charles Levkoe, Lakehead University

CHAIR: Charles Levkoe, Lakehead University

9:55 Jessica Milgroom*, Colin Anderson, Centre for Agroecology, Water and Resilience, Coventry University; *Mapping for Food System Transformation*

10:15 Daniela Marini*, University of Colorado; *Unveiling the Other Countryside: Food Sovereignty, Land and Race in Argentina*

10:35 Carrie Freshour*, PhD, Delta State University; Max Ajl, PhD Candidate, Cornell University; *Finding Labor in the Agrarian Question*

THURSDAY, April 4 • 9:55 AM - 11:35 AM

10:55 Roseann Kerr*, Queen's University; Ayla Fenton, National Farmers Union, Canada; Erin Richan, National Farmers Union, Canada; *Young Female Organic Farmers as Externalities of Canada's Industrial Food System?*

11:15 Bryan Dale*, University of Toronto; *Food sovereignty as counterhegemony: Radical pedagogy and the war of position*

Thursday-102-9:55 a.m. Regulating Geopolitics: Statecraft and Its Discontents

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Alun Jones, University College Dublin

CHAIR: Alun Jones, University College Dublin

9:55 Judit Kuschnitzki*, University of Cambridge; *Subversive Diplomats? A Study of Diplomatic Discretion and Resistance in Moments of Rupture*

10:13 Merje Kuus*, University of British Columbia; *Geographies of professions: neoliberalization and the foreign policy apparatus*

10:31 Jamey Essex*, University of Windsor; Joshua Bowman, University of Windsor; *Far from home, close to work: Diplomacy and statecraft 'in the field'*

10:49 Thomas Jackson*, University of Cambridge; *Practicing diplomats, improvising regions: paradiplomacy in the Russian Federation*

11:07 Alun Jones*, University College Dublin; *Towards an Emotional Geography of Diplomacy: Insights from the United Nations Security Council*

11:25 Discussant(s): Jason Dittmer, Professor of Political Geography, University College London

Thursday-103-9:55 a.m. Emerging Geographies of Amazonia: Lessons for a Changing World II (Sponsored by Latin America Specialty Group, Cultural and Political Ecology Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jennifer Langill, McGill University; Cynthia Simmons, University of Florida; Gabriel Carrero, University of Florida

CHAIR: David Salisbury, University Of Richmond

9:55 Cynthia Simmons*, Associate Professor, University of Florida; *Discipline and Develop: Destruction of the Brazil Nut Forest in the Lower Amazon Basin*

10:15 Christian Abizaïd*, Associate Professor, University of Toronto; Jennifer Langill, McGill University; *Floodplain dynamics, changing socioeconomic conditions and livelihoods in the Peruvian Amazon: a multi-year study in a floodplain community along the Ucayali River*

10:35 Roberta Mendonca De Carvalho*, University of Florida; Claudio Fabian Szlafsztein, Federal University of Pará; *Changing Amazon - Urbanization within the Forest*

10:55 Carola Ramos*, Queen's University; *Building Indigenous Governance and Markets: A Case of Cultural Adaptation in the Peruvian Amazon*

11:15 Michael Waylen*, University of Florida; *Local Politics and Global Food Systems: The Political Ecology of North Florida's Water Resources*

THURSDAY, April 4 • 12:00 PM - 1:00 PM

Thursday-002-11:45 a.m. Eric Holder Keynote Address (Sponsored by Political Geography)

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)

Time: 12:00 p.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Thursday-004-1:10 p.m. Jeanne X. Kasperson Award Winners (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Eric Tate, University of Iowa

CHAIR: Eric Tate, University of Iowa

1:10 Aaron Flores*, Ph.D. Student, University of Utah, Department of Geography; Timothy W Collins, Professor, University of Utah, Department of Geography; Sara E Grineski, Professor, University of Utah, Department of Sociology; Jayajit Chakraborty, Professor, University of Texas at El Paso, Department of Sociology & Anthropology; *Disparities in Health Impacts and Access to Care among Houston Area Residents in Hurricane Harvey*

1:30 Pam Rittelmeyer*, University of California - Santa Cruz; *Meanings behind perceptions: Flood Risk and Management of the California Delta Levee System*

1:50 Tom Logan*, University of Michigan; Seth Guikema, University of Michigan; Jeremy Bricker, Technical University of Delft; *Neglecting behavioral feedbacks in quantitative risk assessment can lead to maladaptation to natural hazards*

2:10 Kirsten Goldstein*, Utah State University; Peter Howe, Dr., Utah State University; *Thermal sensations and risk perceptions of extreme heat among outdoor recreation visitors*

2:30 Yago Martin Gonzalez*, University of South Carolina; Susan Lynn Cutter, Hazards and Vulnerability Research Institute, University of South Carolina; *Tracking the Disruption of Hurricane Maria on Population Flows in Puerto Rico Through Geotagged Tweets.*

Thursday-005-1:10 p.m. Material and Territorial Entanglements Across South-South Worlds II (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Urban Geography Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Miles Kenney-Lazar, L; Wanjing Chen, University of Wisconsin-Madison

CHAIR: Wanjing Chen, University of Wisconsin-Madison

1:10 Introduction(s): Wanjing Chen, Student, University of Wisconsin-Madison

1:15 Miles Kenney-Lazar*, National University of Singapore; Kelly Wanjing Chen, University of Wisconsin-Madison; *Contesting Southern Real Estate Capital in the Peri-Urban Wetlands of Vientiane, Laos*

1:30 Mabel Denzin Gergan*, Florida State University; *Racialized Exclusion, Urban Contact Zones, and South-South Mobilities*

1:45 Galen Murton*, James Madison University; *Combusting relations: Petro-provisioning and geopolitical shifts in post-earthquake Nepal*

2:00 Christopher Courtheyn*, Universidad del Rosario; Ahsan Kamel, Quaid-e Azam University, Islamabad, Pakistan; *Critical resource geographies in Pakistan and Colombia: Ethics, performance, and learning*

2:15 Discussant(s): AbdouMaliq Simone

Thursday-006-1:10 p.m. Tourism and the Transformation of Rural and Peri-urban Landscapes (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Alan Lew, Northern Arizona University; TSUNG-CHIUNG WU

CHAIR: Alan Lew, Northern Arizona University

1:10 Patrick Brouder*, Vancouver Island University; *New tourism mobility into Valemount, BC: curse or blessing for the local community?*

1:30 TSUNG-CHIUNG WU*; *Commercialization of Rural Tourism and Rural Transformation*

1:50 Carol Kline*, Appalachian State University; Lauren Duffy, Clemson University; Dana Clark, Appalachian State University; *Examining Crossover Markets in Peri-urban Settings*

2:10 Fangfang Chen*, Sun Yat-sen University; Honggang Xu, Sun Yat-sen University; *Community Resilience and External Tourism Investment- an Insight from Panarchy*

2:30 Alan Lew*, Professor, Northern Arizona University; *Insider and Outsider Vernacular Place-Making in Rural Tourism Destinations*

Thursday-007-1:10 p.m. Author Meets Critics: Marisol LeBrón's Policing Life and Death: Race, Violence, and Resistance in Puerto Rico (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Latinx Geographies Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Joaquin Villanueva, Gustavus Adolphus College

CHAIR:

Introduction(s): Joaquin Villanueva, Dr., Gustavus Adolphus College

Panelist(s): Jenna Loyd, Assistant Professor, University of Wisconsin-Madison; Stuart Schrader, Lecturer, Harvard University; Micol Seigel, Professor, Indiana University; Beverley Mullings, Dr., Queen's University; Jordan Camp, Barnard College; Marisol Lebron, University of Texas - Austin

Thursday-008-1:10 p.m. Author Meets Critics: Natalie Oswin's 'Global City Futures: Desire and Development in Singapore'

Room: Virginia B, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mat Coleman, Ohio State University

CHAIR: Mat Coleman, Ohio State University

Discussant(s): Ayona Datta, Dr, King's College London; John Paul Catungal, Instructor (TT), University of British Columbia; Charmaine Chua, Oberlin College; Tariq Jazeel, Dr., University College London; Natalie Oswin, McGill University

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Thursday-009-1:10 p.m. Rethinking the Politics of South

Asia's Infrastructures: Towards New Scalar, Methodological, and Theoretical Approaches 2 (Sponsored by Asian Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Yaffa Truelove, University of Colorado; Heather Bedi, Dickinson College

CHAIR: Yaffa Truelove, University of Colorado

1:10 Kanchana Ruwanpura*, University of Edinburgh;

Benjamin Brown, Institute of Geography, University of Edinburgh; Loritta Chan, Institute of Geography, University of Edinburgh; *(Dis)connected Colombo: Situating the Megapolis in post-war Sri Lanka*

1:30 Prerona Das*, The National University of Singapore; *Multiple Partitions: Infrastructural Borders in the City of Guwahati, India*

1:50 Taru Taru*, University of Michigan; *Techno-Political Resource Grab and Spatial-Flows of Resistance in Democratic Societies*

2:10 Kenneth Nielsen*, University of Oslo; *Growth Infrastructures and Contestation in Goa*

2:30 René Véron*, University of Lausanne, Institute of Geography and Sustainability; Anna Zimmer; Natasha Cornea, University of Birmingham; School of Geography, Earth and Environmental Sciences; *Creating blue infrastructure: Urban imaginaries, social exclusions and the transformation of ponds in Navsari, Gujarat*

Thursday-012-1:10 p.m. Critical Geographies of Energy and Food (Part 1): Intersections and Productive Tensions (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Deepti Chatti, Yale University; Gretchen Sneegas, University of Georgia

CHAIR: Deepti Chatti, Yale University

1:10 Gustav Cederlof*, King's College London; *Cooking for Fidel: Decarbonization and Recentralization in Cuba's Energy Revolution*

1:30 Curt Davis*, University of Delaware; *Conflicting worldviews of cooking, energy and technology in rural Nicaragua*

1:50 Gretchen Sneegas*, University of Georgia; *"Land rich, cash poor": Extractivist ideology and structural vulnerability at the intersection of farming and shale gas production*

2:10 Terry Marsden*, Sustainable Places Research Institute, Cardiff University; *The New Agrarianism: towards new political ecologies of resource governance.*

2:30 Discussant(s): Jennifer Baka, Assistant Professor, Pennsylvania State University

Thursday-016-1:10 p.m. Capturing and Visualizing Superdiversity in Urban Space (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Sakura Yamamura; Alan Gamlen, Monash University

CHAIR: Steven Vertovec

1:10 Fran Meissner*, TU Delft; *Dynamics and trajectories, Not categories – Visualising neighbourhood trajectories and (legal-status) diversity in Dutch cities*

1:28 Alan Gamlen*, Monash University; *Exploring metropolitan super-diversity through data visualisation*

1:46 Paul Lassalle*, Strathclyde Business School; Sakura Yamamura, Max Planck Institute for the Study of Religious and Ethnic Diversity; *Mapping Superdiversity of entrepreneurial landscapes in the streets of Glasgow*

2:04 Sonda Cuban*, Western Washington University; *Mapping Super-Diverse Routes of Immigrant Women To an In Chile*

2:22 JINA LEE*, *TalkingMap: Drawing 'New Maps' of New Malden*

2:40 Discussant(s): Steven Vertovec

Thursday-017-1:10 p.m. Geographies of Education II: Teaching and Assessing Geographical Knowledge (Sponsored by Critical Geographies of Education Specialty Group, Cultural Geography Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Gary Schnakenberg, Michigan State University

1:10 Lisa Millsaps*, University of Northern Iowa; *Learning Progressions in Geography: What Teachers Need to Know*

1:30 Jacob Brenner*, Ithaca College; *Teaching Human-Environment Geography with an Object-Based Approach*

1:50 Carina Peter*, University of Marburg; *Nature 4.0 – Environmental education and App-based nature conservation monitoring*

2:10 Melinda Shimizu*, SUNY - Cortland; *Enhancing geoscience undergraduate education with analog activities*

2:30 Paul Sutton*, University of Denver; Xuantong Wang, University of Denver; Bingxin Qi, University of Denver; *Assessing Learning Outcomes in Geography and Environmental Science at the University of Denver*

Thursday-018-1:10 p.m. Shrinking Cities: China and International Comparisons I (Sponsored by China Specialty Group, Asian Geography Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Chung-Tong Wu, Western Sydney University; Kai Zhou, Hunan University

CHAIR: Chung-Tong Wu, Western Sydney University

1:10 Kai Zhou*, Hunan University; Zhiwei Du, Guangzhou Institute of Geography, GDAS CAS, China; *Two Sides of the Same Coin: Examining City Shrinkages in the Rapid Urbanizing China*

1:30 Scarlett Jin*, Ohio State University; *Do central state interventions cause urban shrinkage in China?*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

- 1:50** Linshen Jiao*, Xi'an University of Architecture and Technology; Zhonghua Zhang, Xi'an University of Architecture and Technology; Lu Zhao, Xi'an University of Architecture and Technology; *Study on China's Shrinking Cities in Traditional Agricultural Areas and Strategies to Avoid Shrinkage: A Case Study of Yudong Plain*
- 2:10** Kang Wu*, Capital University of Economics and Business; *Identifying shrinking cities in China from urban network perspective*
- 2:30** Zhaoya Gong*, University of Birmingham; Ran Tao, School of Geosciences, University of South Florida; Qiwei Ma, Tsinghua University; Changcheng Kan, Baidu Online Network Technology (Beijing) Co., Ltd; *Urban Interaction and Shrinking Cities in Northeast China*

**Thursday-019-1:10 p.m. Asian Geographies Symposium:
Tigers on the Move: Mobility, Accessibility, and
Transportation in Asia (Sponsored by Asian
Geography Specialty Group, Transportation
Geography Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): John Bowen, Central Washington University
CHAIR: John Bowen, Central Washington University

- 1:10** Eric T H Chan*, Transport Studies Unit, School of Geography and the Environment, University of Oxford; Tim Schwanen, Transport Studies Unit, School of Geography and the Environment, University of Oxford; David Banister, Transport Studies Unit, School of Geography and the Environment, University of Oxford; *Assessing street level walkability in Shenzhen: A multiple-scenario walkability approach*
- 1:30** Xiangfu Kong*, Peking University; Jiawen Yang, Peking University; *Transit ridership forecasting under land use perspective at station level: A case study of Shenzhen*
- 1:50** Zhuo Chen*, Fengjun Jin, Institute of Geographic Sciences and Natural Resources Research, CAS; *Comparative freeway passenger network and freight network in Yangtze River Delta region*
- 2:10** Fan Zhang*, East China Normal University; *The Changing Structure of China's Transnational Urban Network: An analysis through Air Passenger Flow*
- 2:30** John Bowen*, Central Washington University; *Flying on Different Trajectories: Budget Airlines in India and China*

**Thursday-020-1:10 p.m. Changing Social Geographies
in Asia: New Theoretical Constructs and
Methodological Approaches (Sponsored by Asian
Geography Specialty Group, Socialist and Critical
Geography Specialty Group, Urban Geography
Specialty Group)**

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania
CHAIR: Jennifer Pomeroy, York College of Pennsylvania

- 1:10** Bokyoung Shin*, University of Helsinki; *Social network analysis in collaborative planning: A case study of the Sinchon Regeneration Project in Seoul, Korea*

- 1:30** Shin Bin Tan*, MIT; *Obesogenic urban environments: An assessment of socio-spatial disparities in a South East Asian context*

- 1:50** SHUANG WANG*, University of Tsukuba; Sayaka Fujii, University of Tsukuba; *A Study on the living supports and communities of the Public Housing Densely Inhabited by Foreigners in Japan*

- 2:10** Zhu Chen*, Lingxiang Huang, Tianjin Chengjian University; *A choice experiment study for public preference of agricultural land preservation in Tianjin, China*

- 2:30** Jennifer Pomeroy*, Assistant Professor of Geography, York College of Pennsylvania; *Changing Social Context and Intersectionality of Gendered Spaces: Comparison in India and China*

Thursday-021-1:10 p.m. CJRS 3. Transportation System Use

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): John Miron, University of Toronto
CHAIR: John Miron, University of Toronto

- 1:10** Ahran Baek*, Chul Sue Hwang, KyungHee Univ.; *Finding the optimal energy-efficient routes for electric vehicles*
- 1:30** Chien Miao-Jung*, National Taiwan University; *After parking: Study after parking behavior through GPS trajectory mining.*
- 1:50** QIngmei Yin*, East China Normal University; Dan He, East China Normal University; Manxin Zheng, East China Normal University; Peng Gao, East China Normal University; *Transport infrastructure and regional economic integration: Evidence from the Chang-Zhu-Tan region in China*
- 2:10** John Miron*, University of Toronto; *Design, price, and strong substitution in a complex transportation network*

**Thursday-022-1:10 p.m. Untapped: Fresh Voices in Water
Resources Geography 3 (Sponsored by Water
Resources Specialty Group)**

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Jacob Petersen-Perlman, University of Arizona - Water Resources Research Center, Tucson, AZ
CHAIR: Jacob Petersen-Perlman, University of Arizona - Water Resources Research Center, Tucson, AZ

- 1:10** Aaron Lira*, Texas A&M; *See no water, hear no water, speak no water: A sensory ecology approach to place-making and water resources in central Oregon*
- 1:30** Md Abu Sayeed Maroof*, Kansas State University; Jida Wang, Kansas State University; *A study of terrestrial water storage dynamics in global endorheic basins and its links to prominent climate variabilities*
- 1:50** Puja Jana*, Oklahoma State University; *Kashmir the Problem State: - Impact of the Transboundary Water Distribution Agreement Between India and Pakistan*
- 2:10** Veronica Hanway*, Graduate Student, University of Wyoming; Jacqueline Shinker, Associate Professor, University of Wyoming; Nicholas Crane, Assistant Professor, University of Wyoming; *No Water? Now What? Understanding the Implications of the Climate-Drought-Water Nexus for Underrepresented Minorities in California's San Joaquin Valley*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Thursday-023-1:10 p.m. Financial Geography: State of the Art and Future Research Directions (Part 1) (Sponsored by Economic Geography Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Janelle Knox-Hayes, MIT; Dariusz Wojcik, School of Geography and the Environment, Oxford University

CHAIR: Janelle Knox-Hayes, MIT

1:10 Sarah Hall*, University of Nottingham; *Governing global finance: understanding the place of international financial centres*

1:30 Shaina Potts*, University of California-Los Angeles; *Beyond (De)regulation: Law and the Production of Financial Geographies*

1:50 Dariusz Wojcik*, Professor, School of Geography and the Environment, Oxford University; *Sticky Power: Global Financial Networks in the World Economy*

2:10 Vladimir Pazitka*, University of Oxford; Dariusz Wójcik, University of Oxford; Eric Knight, University of Sydney; *Construct validity in world city network research: From office location networks to inter-organisational projects in the analysis of intercity business flows*

2:30 Discussant(s): Janelle Knox-Hayes, MIT

Thursday-024-1:10 p.m. Cultural Landscapes I: Place Making

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Kevin Loughheed, King's College London

1:10 Maja Essebo*, *Myth in American environmental policy: the story of fragmentation*

1:30 Rick Bunch*, PhD, UNC Greensboro; Mark Long, PhD, College of Charleston; *Mapping the Index of Southernness*

1:50 Kevin Loughheed*, King's College London; *"The Regulators of a Milieu": The state and shifting cultural landscape of nineteenth-century Ireland*

Thursday-025-1:10 p.m. Environmental governance and the role of stakeholders in policy making (Sponsored by Applied Geography Specialty Group, Development Geographies Specialty Group)

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Swetha Peteru, Center for International Forestry Research (CIFOR)

CHAIR: Swetha Peteru, Center for International Forestry Research (CIFOR)

1:10 Amrutha Jose Pampackal*, Cornell University; *Quasi-Bureaucracy's Role in Land Governance: The case of Tribal Resettlement and Development Mission of Kerala, India*

1:30 Sun Nguyen*, Michigan Technological University; *Citizen Engagement in Minnesota Environmental Decision Making*

1:50 Francis Xavier Dery Tuokuu*, Ph.D. Candidate, Antioch University New England; *Linking stakeholder perspectives for environmental policy development and implementation in Ghana's gold mining sector: Insights from a Q-methodology study*

2:10 Brent McCusker*, West Virginia University; *Using geographic analysis to inform better international development policy making and decision making: Examples from USAID.*

2:30 Swetha Peteru*, Center for International Forestry Research (CIFOR); *Towards sustainable landscapes: assessing enabling conditions*

Thursday-026-1:10 p.m. Critical engagements with Creative Geographies I (Sponsored by Sexuality and Space Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Aparna Parikh, Dartmouth College; Eden Kinkaid, Pennsylvania State University

CHAIR: Eden Kinkaid, Pennsylvania State University

1:10 Katherine Foo*, Worcester Polytechnic Institute; Terry Schwarz, FAICP, Cleveland Urban Design Collaborative; College of Architecture and Environmental Design, Kent State University; *The aesthetic regimes of spatial urban politics*

1:30 Alice Cree*, Newcastle University; *Lively geopolitics: Towards creative methodologies in critical military studies*

1:50 Christabel Devadoss*, Middle Tennessee State University; *Postcolonial diaspora histories through family photographs*

2:10 Jin-Kyu Jung*, Associate Professor, University of Washington-Bothell; Ted Hiebert*, University of Washington Bothell; *Imagining the Details: Creative Geovisualization*

2:30 Discussant(s): Harriet Hawkins, Professor, Royal Holloway, University of London

Thursday-027-1:10 p.m. Teach the World, No Problem: Challenges to Teaching World Regional Geography in One Semester (Sponsored by Community College Affinity Group, Geography Education Specialty Group, Graduate Student Affinity Group, Careers and Professional Development)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Melvin Johnson, University of Wisconsin-Manitowoc; Herschel Stern, Miracosta College

CHAIR: Douglas Allen, Florida State University

Introduction(s): Herschel Stern, Professor of Geography, Miracosta College; Douglas Allen, Florida State University

Panelist(s): William Moseley, Professor of Geography, Macalester College; Dawn Drake, Associate Professor, Missouri Western State University; Douglas Allen, Florida State University; Caitie Finlayson, PhD, University of Mary Washington; Thomas Craig, Mayville State University; Herschel Stern, Professor of Geography, Miracosta College; Ethan Bottone; Joy Fritschle, Professor, West Chester University

Discussant(s): Melvin Johnson, Dr., University of Wisconsin-Manitowoc; Melvin Johnson, Dr., University of Wisconsin-Manitowoc

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Thursday-028-1:10 p.m. The Housing and Economic Experiences of Immigrants and Refugees in North American and Australian Cities (Sponsored by Ethnic Geography Specialty Group)

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Stavros Constantinou, Ohio State University; Carlos Teixeira, University of British Columbia Okanagan

CHAIR: Stavros Constantinou, Ohio State University

1:10 Jessica Fan*, PhD Student, Indiana University;
Understanding Chinese Immigrant Family Life Experience through Space

1:30 Madhuri Sharma*, University of Tennessee, Knoxville;
A Typology Analyses of Diversity, Segregation, and Economy in US Metropolises, 2000-2014

1:50 Carlos Teixeira*, University of British Columbia Okanagan;
Hugo De Burgos, Associate Professor, University of British Columbia; *Settlement and Housing Experiences of Latin American Immigrants in Mid-sized Cities in the Interior of British Columbia, Canada*

2:10 James Forrest*, Macquarie University; *Expanding the ethnoburb concept towards a new understanding of urban residential patterns in increasingly ethnically-diverse cities: the Australian case.*

2:30 Reuben Allen*, Ball State University; *Chinatown's Expansion in Post-Industrial Chicago*

Thursday-031-1:10 p.m. Increasing the Participation and Validation of Geographers at Underrepresented Institutions: Teaching Strategies (Sponsored by Community College Affinity Group, Stand-Alone Geographers Affinity Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): David Kaplan, Kent State University; Guntram Herb, Middlebury College

CHAIR: Guntram Herb, Middlebury College

Introduction(s): Guntram Herb, Professor, Middlebury College

Panelist(s): Ben Gerlofs, Princeton University; Richard Kujawa, Professor of Geography, Saint Michael's College, Vermont; Harry Wilson, Dr., ONU; Heather McAfee, Department Chair, Clark College; Sumanth Reddy, Assistant Professor, Bowie State University; David Padgett

Thursday-032-1:10 p.m. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program 1 (Sponsored by Careers and Professional Development)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Antoinette WinklerPrins, National Science Foundation; Jacqueline Vadjunec, Oklahoma State University

CHAIR: Jacqueline Vadjunec, Oklahoma State University

Thursday-033-1:10 p.m. Monuments, Memorials, and the Politics of Place II (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group, Historical Geography Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria; Ian Baird, The University of Wisconsin - Madison

CHAIR: Ian Baird, The University of Wisconsin - Madison

1:10 Reuben Rose-Redwood*, University of Victoria; *Erasing History? The Politics of Commemoration from the Rename Trutch Street Campaign to the Removal of the John A. Macdonald Statue in Coast Salish Territory*

1:30 Ian Baird*, The University of Wisconsin - Madison; *To Name or Not to Name? Alan Webster Neill and Anti-Japanese Canadian Racism on Vancouver Island, Canada*

1:50 Adrian Mulligan*, Bucknell University; *A Stone Left Unturned: the Politics of Memorialization at the Gila River War Relocation Center*

2:10 Elyse Zavar*, University of North Texas; Sarah Roe*, Southern Connecticut State University; *Remembering Abandoned Places: Belonging through Informal Commemoration*

2:30 Corinna Moebius*, Florida International University; *Commemorative Bodies: Tracing the Racial Politics of Public Memory in Little Havana's Heritage District*

Thursday-033.5-1:10 p.m. R. S. Tarr Poster Competition (Sponsored by Cryosphere Specialty Group)

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jeffrey VanLooy, University of North Dakota

CHAIR: Jeffrey VanLooy, University of North Dakota

1:10 Kyle Mattingly*, Ph.D. Geography Student, University of Georgia; Thomas Mote, University of Georgia; Xavier Fettweis, University of Liège; *Strong summer atmospheric rivers induce Greenland Ice Sheet melt through spatially varying modification of the surface energy balance*

1:20 Anthony Himmelberger*, Clark University; Karen Frey, Dr., Clark University, Associate professor; Florencia Sangermano, Dr., Clark University, Assistant Professor; *Investigating the Fragmentation of Pacific Walrus Sea-Ice Habitat in the Wainwright and Saint Lawrence Island Regions of Alaska using Landsat Satellite Data*

1:30 Adjoa Intsiful*, Mississippi State University; Shrinidhi Ambinakudige, Mississippi State University; *Change Assessment of the Columbia Icefield, Canadian Rocky Mountains*

1:40 Raven Mitchell*, Northern Michigan University; Kelsey Nyland, Michigan State University; Frederick E. Nelson, Michigan State University; *Fluvial Influences in the Development of Periglacial Sorted Stripes*

1:50 Ashley McCracken*, Ohio Wesleyan University; Nathan Amador, PHD, Ohio Wesleyan University; *Shrinkage of Tropical Glaciers in Peru*

2:00 Haylie Mikulak*, University of Georgia; Thomas Mote, University of Georgia; Gina Henderson, United States Naval Academy; Bradford Barrett, United States Naval Academy; *Seasonal and Regional Variations in Arctic Blocking Patterns*

2:10 Jing Xiao*, Rutgers University; Åsa K Rennermalm, Department of Geography, Rutgers, The State

THURSDAY, April 4 • 1:10 PM - 2:50 PM

University of New Jersey; Sasha Leidman, Department of Geography, Rutgers, The State University of New Jersey; Federico Covi, Geophysical Institute, University of Alaska Fairbanks; Kierin Rogers, Mason Gross School of the Arts, Rutgers, The State University of New Jersey; Mike MacFerrin, Cooperative Institute for Research in Environmental Sciences (CIRES), University of Colorado at Boulder; Regine Hock, Geophysical Institute, University of Alaska Fairbanks; Marco Tedesco, Lamont-Doherty Earth Observation, Columbia University; *Small-scale variability of meltwater refreezing in Southwest Greenland Ice Sheet firn*

2:20 Alina Schulz*, *Observing supraglacial stream dynamics on the Greenland Ice Sheet using remote sensing*

Thursday-034-1:10 p.m. Feminist digital geographies

III: bodies/subjectivities (Sponsored by Digital Geographies Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Agnieszka Leszczynski, Western University; Gillian Rose, University of Oxford

CHAIR: Gillian Rose, University of Oxford

1:10 Jess Hardley*, Digital Media - Murdoch University, Australia; *Mobile media and safety habits: The embodiment of geo-location in dark urban spaces*

1:30 Casey Lynch*, University of Arizona - Geography & Development; *Queering Digital Subjectivities, Enacting Alternative Techno-Social Futures*

1:50 Laura Shipp*, Royal Holloway, University of London; *Menstruapps: the geographies of leaky cyborgs*

2:10 Nancy Ettlinger*, Department of Geography, Ohio State University; *Unfreedom digitalized*

2:30 **Discussant(s):** Peta Mitchell, Dr, Queensland University of Technology

Thursday-035-1:10 p.m. Symposium on Frontiers in Geospatial Data Science: Synergizing Geospatial Data Science with Domain Applications III: Remote Sensing (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Yaping Cai, University of Illinois; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Yaping Cai, University of Illinois

1:10 Jesse Bakker*, University of Minnesota; *Toward a Scalable Agriculture Classification Model: Comparison of Remote Sensing Crop Classification Methods in the Red River Valley, Minnesota*

1:30 Jinpei Ou*, Sun Yat-sen University; Xiaoping Liu, Sun Yat-sen University; *Estimating spatiotemporal variations of city-level energy-related CO₂ emissions: an improved disaggregating model based on vegetation adjusted nighttime light data*

1:50 Yaping Cai*, University of Illinois; Shaowen Wang, University of Illinois; Kaiyu Guan, University of Illinois; *Improving the Crop Type Classification Feasibility for Large Geographic Areas*

2:10 Rohit Mukherjee*, The Ohio State University; Desheng Liu, Dr, The Ohio State University; *Comparison of statistical and deep learning methods for spatio-temporal fusion of satellite images*

2:30 Fang Qiu*, University of Texas at Dallas; Minxuan Wei, University of Texas at Dallas; Jinghan Qu, University of Texas at Dallas; Wenzhen Yi, University of Texas at Dallas; *Extraction of electricity delivering facility and detection of vegetation encroachment based on liner and Geiger-mode LiDAR point cloud*

Thursday-036-1:10 p.m. Spatiotemporal Symposium: GeoVisualization Techniques with NextGen Web Frameworks

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Ishan Shams, George Mason University

CHAIR: Ishan Shams, George Mason University

Thursday-037-1:10 p.m. Racial Regimes of Property III: (RE)MAKING (Sponsored by Black Geographies Specialty Group, Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Malini Ranganathan, American University; Anne Bonds, University of Wisconsin, Milwaukee

CHAIR: Malini Ranganathan, American University

1:10 Erin Collins*, American University; *Recombinant Racial Property Regimes in and after French Indochina*

1:28 Kelsey Brain*, Pennsylvania State University; *Global Amenity Migration and Racialized Dispossession on Costa Rica's Talamanca Coast*

1:46 Lindsey Dillon*, University of California - Santa Cruz; *Civilizing Swamps in San Francisco*

2:04 Sarah Franzen*, *A Place Called Home: Land, Rights, and Resistance in the US South*

2:22 **Discussant(s):** Austin Zeiderman, Associate Professor of Geography, London School of Economics

Thursday-038-1:10 p.m. Uneven Geographies of Electricity Capital III: Panel Session

Room: Washington 3, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Nikki Luke, University of Georgia; Matt Huber, Syracuse University

CHAIR: Matt Huber, Syracuse University

Introduction(s): Matt Huber, Associate Professor, Syracuse University; Nikki Luke, University of Georgia

Panelist(s): Lucy Baker, university of sussex; Conor Harrison, Dr., University of South Carolina; James McCarthy, Professor, Clark University; Waquar Ahmed, Associate Professor, Department of Geography; Caroline Desbiens, Associate Professor, Université Laval

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Thursday-039-1:10 p.m. Crime Geography and Crime Analysis (II)

Room: Washington 4, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Lin Liu, University of Cincinnati

CHAIR:

Thursday-040-1:10 p.m. W2_9 Increase Your Productivity with ArcGIS Pro (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Thursday-041-1:10 p.m. Paradigms and Milestones in Geography Education: Looking Back, Looking Forward

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Michael Solem, National Center for Research in Geography Education

CHAIR: Michael Solem, National Center for Research in Geography Education

Panelist(s): Diana Sinton, Executive Director, UCGIS; Thomas Larsen, Texas State University; Joann Zadrozny, Texas State University; Michael Solem, Co-Director, National Center for Research in Geography Education

Discussant(s): Thomas Herman, Adjunct Faculty, San Diego State University; Injeong Jo, Associate Professor, Texas State University; Saskia Van De Gevel, Dr., Appalachian State University; Jon Moore, Geographer, Assessment Specialist, Educational Testing Service

THURSDAY, April 4 • 1:10 PM - 2:50 PM • Poster Sessions

Thursday-043.1-1:10 p.m. Tourism, Recreation, and Sport

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Megan Foster*, UC Davis, Geography Graduate Group, Environmental Science and Policy Dept.; *Federal Advisory Committees within the U.S. National Park Service*

003 Poster(s) Craig R. Laing*, University of Tennessee at Chattanooga; *Geographies in Miniature: Model Railroad's Relationship with Geography*

004 Poster(s) Grant McGregor*, Plymouth State University; *Building a Market: Identifying factors effecting high attendance in professional hockey teams"*

005 Poster(s) Kathleen Woodhouse-Ledermann*, Swiss Academy for Development; *Adapting sport & play to multi-component development interventions in Karen/Kayin State, Myanmar*

006 Poster(s) Boram Lee*, Seoul National University; Seulki Yu*; *Impact of Touristification on the Historic Neighborhood in Seoul*

007 Poster(s) Zhina NANGONG*, Nagoya University; *The Process of Assembling Package Tours and Managing Intercorporate Relationships in the Provision of Tours from Japan, China, and Korea*

008 Poster(s) Hoda Manafian*, PhD candidate of Department of Tourism, Recreation and Sport Management, University of Florida; Yu-Hua Xu, PhD student of Department of Tourism, Recreation and Sport Management, University of Florida; Jinwon Kim, Assistant Professors of Department of Tourism, Recreation and Sport Management, University of Florida; Angelica Almeyda Zambrano, Assistant Professors of Department of Tourism, Recreation and Sport Management, University of Florida; *Spatial accessibility of agritourism farms in Florida using Gravity Model*

009 Poster(s) William Terry*, Clemson University; *Factoring Labor Demand: H-2B and J-1 Guest Workers in Tourism-Dependent Areas*

0010 Poster(s) Chi-Wei Chang, Graduate Institute of Biomedical Electronics and Bioinformatics, National Taiwan University; Xiang-Yu Xie*; Chih-Hong Sun, Department of Geography, National Taiwan University; *A New Smart Tourism Platform Based on Intuitive Smart Travel Recommendation System*

0011 Poster(s) Georgia Curtis*, University of Minnesota - Duluth; *The Impacts of Tourism on Duluth, Minnesota*

0012 Poster(s) Sai Leung Ng, The Chinese University of Hong Kong; Keng Hang Fan*, Chinese University of Hong Kong; *Tourism collaboration and conflicts with multi-ethnic communities: a case study in Taman Negara (Pahang), Malaysia*

0013 Poster(s) John Crowell*, University of North Alabama; Michael Pretes, University of North Alabama; *Youth Visitor Dynamics in Pacific Coast National Parks*

Thursday-043.2-1:10 p.m. Political Geography

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Kevin Bean*, University of Massachusetts - Amherst; *Cartographic Aggression and Education: A Study of the Belize-Guatemala Border Dispute*

003 Poster(s) Cynthia Barnett-Ryan*; *The recording of crime data and scale: the influence of law enforcement recording behavior and the uncertain geographic context problem*

004 Poster(s) John Rosenwinkel*, Vanderbilt University; *The scale(s) of degrowth*

005 Poster(s) Madeline Rock*, Furman University; *Analyzing the Effects of Policy on Ecosystem Services*

006 Poster(s) Lauren Contorno*, Northeastern University; *The Local Politics of Energy Transitions: A Comparative Case Study of Somerset and Holyoke, MA*

THURSDAY, April 4 • 1:10 PM - 2:50 PM • Poster Sessions

- 007 Poster(s)** Jonathan Craig*, University of Oklahoma;
The landscape of collective action: Examining the concentration of opposition to Norman's University North Park
- 008 Poster(s)** Jackson Ingram*; *Landscapes of Electronic Monitoring in Pennsylvania*
- 009 Poster(s)** Paige Torchio*; *Gerrymandering of Pennsylvania's Congressional Districts*
- 0010 Poster(s)** William Kory*, University of Pittsburgh;
Gerrymandering of Pennsylvania's Congressional Districts
- 011 Poster(s)** Kaitlyn Cook*, George Washington University;
Mapping Realities: Map Projections in a Post-Colonial World
- 012 Poster(s)** Shelby Rider*, Oklahoma State University;
Does Uncle Sam Really Want You? An Analysis of Oklahoma National Guard Recruiting Patterns
- 013 Poster(s)** Maria Del Pilar Delpino Marimon*, Independent; *Territories of Collaboration: Placed-Based Governance Built From Informal Collaboration and Rural Territorial Coalitions*
- 014 Poster(s)** Florencia Magni*; *The Rise of China: Confucius Institutes and Soft Power*
- 015 Poster(s)** Scott Nearman*, University of Colorado - Denver; *Examination of Clean Energy Voting Trends in Three US States with No Renewable Portfolio Standards*

Thursday-043.3-1:10 p.m. Education and Careers

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** James Kaemmerer*, University of Missouri - Columbia; *Using GIS Tools to Analyze Post-Graduation Student Employment Distribution Patterns*
- 003 Poster(s)** Grady Dixon*, Fort Hays State University; Kathy Quardokus Fisher, Florida International University; Eric Kaufman, Virginia Tech; LaToya Myles, NOAA; Carolyn Brinkworth, National Center for Atmospheric Research; *Creating and Connecting Champions for Diversity in the Geosciences: Hearts of GOLD*
- 004 Poster(s)** Emily A Fogarty*, Farmingdale State College SUNY; Michael Minn, Farmingdale State College SUNY; Jeffrey Gaab*, Farmingdale State College SUNY; *Got GIS Skills? GIS and the Workforce Ready Student*
- 005 Poster(s)** Henrique Momm, Middle Tennessee State University; Racha El Kadiri, Middle Tennessee State University; Jeremy Aber*, Middle Tennessee State University; Dawn Lemke, Alabama A&M University; *Understanding and Fostering Geoscience Student attitudes toward Agricultural Careers*
- 006 Poster(s)** Daryl Rouleau*, University of Maryland - College Park; *Undergraduate Motivations to Enrolling in a Geographical Sciences Major*
- 007 Poster(s)** Frances Mujica*, The University of South Alabama; Sue Mattson, Ph.D., University of South Alabama; *The Clickerverse: Student Engagement in Large Lectures*
- 008 Poster(s)** Don Zeigler*, Old Dominion University; *Latin America: A Writing-Intensive Course for Undergraduates*

- 009 Poster(s)** James Wilson*, Department of Geographic and Atmospheric Sciences, Northern Illinois University; Earle Isibue, Department of Geographic and Atmospheric Sciences, Northern Illinois University; *Open Source GIS Instruction in Two Classroom Settings*
- 0010 Poster(s)** William Wetherholt*, Assistant Professor, Frostburg State University; *Constructing an Augmented Reality Sandbox*
- 011 Poster(s)** Jamie Strickland*, University of North Carolina - Charlotte; *B(u)y the Book: Promoting Deeper Engagement with Texts in Undergraduate Geography Education*
- 012 Poster(s)** Sheng Miao*; Yu shan Duan, East China Normal University; Xiao shi Xing, Columbia University; Robert S. Chen, Columbia University; *Geospatial Analysis of Global Student Sustainable Development Understanding — Based on PISA 2015 Test*
- 013 Poster(s)** Terence Day*, Department of Geography, Earth and Environmental Science, Okanagan College, Kelowna, BC, Canada; Ken Foote, Department of Geography, University of Connecticut, Storrs, Connecticut, USA; Derek France, Department of Geography and International Development, University of Chester, Chester, UK; *"Selling" fieldwork to the administration: A value proposition for undergraduate fieldwork*
- 014 Poster(s)** Allen Finchum*, Oklahoma State University; Kellen Bullock, BS, Oklahoma State University; *Analysis of College Student Migration in Oklahoma*
- 015 Poster(s)** Michael Lewis*, University of Wisconsin - Eau Claire; *College Readiness of Secondary Education Institutions in Northwest Wisconsin and First Year Retention at the University of Wisconsin-Eau Claire*
- 016 Poster(s)** Diane Snediker*, U.S. Bureau of the Census; Laura Nixon, U.S. Bureau of the Census; *Who's in the Community of Community Colleges?*

Thursday-043.4-1:10 p.m. Sexuality and Space Specialty Group (SXSSG) Poster Session (Sponsored by Sexuality and Space Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Sophonie Bazile, UNIVERSITY OF KENTUCKY

- 002 Poster(s)** Joyce F. Clapp*, UNGC; *"And Maybe My Wife Won't Be Arrested Walking the Dog": A Participatory Poster on Housing Location Decisions*
- 003 Poster(s)** Alexandra Ringling*, University of Missouri - Columbia; *Homoliberalist Rhetoric in Israel: Neoliberal Sexual Politics in the Gay Tourism Industry*
- 004 Poster(s)** Madeline Levey*, Florida State University; *Bond, Bondage, and Spaces of Resistance: A Geographic Literary Analysis of Octavia E. Butler's Kindred*

THURSDAY, April 4 • 1:10 PM - 2:50 PM • Poster Sessions

Thursday-043.5-1:10 p.m. Black Geographies and Ethnic Geography (Sponsored by Black Geographies Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

- 001 Poster(s)** Kany Abdullah*, University of Texas - Austin; *Kime Ez?: Navigating and maintaining ethnicity with Kurdish women in Diyarbakir*
- 002 Poster(s)** Jessica Martinez*, TCU; *Nanih Waiya: Sacred Space of the Choctaw*
- 003 Poster(s)** Ki'Amber Thompson*, *Prisons, Policing, and Pollution: Toward an Abolition Framework within Environmental Justice*
- 004 Poster(s)** Nicole Hawks*, University of North Carolina - Greensboro; *Confederate footprints: a case study of a potential Confederate monument removal in Winston-Salem, NC*
- 005 Poster(s)** Evelyn Hernandez*, St. Mary's College of Maryland; *Racial Segregation: The link between PAX Naval Air Station and today's racial segregation landscape in St. Mary's County*

Thursday-043.6-1:10 p.m. Historical Geography

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** Justin Augustine*, *The Fishkill Supply Depot: Pivotal to the Hudson, Yet Lost In Memory*
- 003 Poster(s)** John Morgan*, Emory & Henry College; *Antique Brick Collecting: A Geographical Perspective*
- 004 Poster(s)** Craig Revels*, Central Washington University; *Claiming the Aguan Valley: Geography and Ambition on the Nineteenth-Century Honduran Periphery*
- 005 Poster(s)** Muneyki Natsume*, Kyoto University, Musashino Historical Museum, NPO OpenConcierge; *An application of version control for historical GIS data*
- 006 Poster(s)** John Bauer*, University of Nebraska Kearney; *Changing Geographies of Advertising in Early Automobile Route Guides*

- 007 Poster(s)** Andy Anderson*, Academic Technology Specialist, Amherst College; *The Colonization of New England*

- 008 Poster(s)** Samuel Otterstrom*, Professor, Brigham Young University; Daniel Reeves, FamilySearch; *FamilySearch's Genealogy Place Database: Changing Toponymns Across Time and Place*

- 009 Poster(s)** Russell Vander Lugt*, University of Alaska - Fairbanks; Michael Letzring*, University of Alaska - Fairbanks; *The Allen Expedition, 1885: Evolution of Geographic Knowledge and Indigenous-Military Relations along Alaska's Copper River*

Thursday-043.7-1:10 p.m. Asia Symposium Poster Session (Sponsored by Asian Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

- 001 Poster(s)** Sarah Haque*, *Agricultural and Settlement Adaptation to Climate Change in the Vietnamese Mekong Delta*
- 002 Poster(s)** Chul Sue Hwang*, Kyung Hee University; *Valuable facts from the experience of publishing the National Atlas of Korea*
- 003 Poster(s)** Seulki Yu*, Seoul National University; Kyung-min Kim, Seoul National University; Boram Lee, Seoul National University; *A Comparative Study of Suburbanization in the United States and Korea: A Case Study of Cheongnyang-ri District of Seoul*

Thursday-043.8-1:10 p.m. Ethnic Geography Specialty Group Poster Session (Sponsored by Ethnic Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Edris Montalvo, Cameron University

- 002 Poster(s)** Qiuyi Zhang*, University at Buffalo, SUNY; *Modeling a Multi-level Intervention to Improve Oral Health for Chinese Americans*
- 003 Poster(s)** Ibipo Johnston-Anumonwo, PhD, SUNY Cortland; Laura Herrling*; Edris Montalvo*, Cameron University; *Undergraduate Learning and Teaching Perspectives about Geography, Ethnicity and Equity*

THURSDAY, April 4 • 1:10 PM - 2:50 PM**Thursday-047-1:10 p.m. Progress in Household Water Insecurity Experiences 3: Emergent Themes (Sponsored by Water Resources Specialty Group)**

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Wendy Jepson, Texas A&M University

CHAIR: Sera Young, Northwestern University

1:10 Cecilia Alda Vidal*, University of Manchester; Alison Browne, University of Manchester; *Gendered experiences of household water insecurity: practicing menstrual hygiene in the Low Income Areas of Lilongwe, Malawi*

1:30 Yihenew Tesfaye*, MSc, Oregon State University; Roza Abesha Feyisa, BSc, Independent Researcher; Mulat Woreta, BA, PGD, Emory Ethiopia; Matthew C. Freeman, MPH, PhD, Emory University; Kenneth Maes, PhD, Oregon State University; *A critical ethnographic analysis of women's demands for water amidst chronic water insecurity and hygiene behavior-change interventions in rural Amhara, Ethiopia*

1:50 Andrea Beck*, MIT; *Water Operator Partnerships: Challenges and Opportunities for Improving Utility Performance and Household Access*

2:10 Claudia Diaz-Combs*, Syracuse University; *Microbial and Trace Metal Analysis of Drinking Water in Lago Agrio, Ecuador*

2:30 Cassandra Workman*, North Carolina State University; *Towards a comprehensive geography of sanitation: Using mixed-methods to explore place-making in Morogoro, Tanzania.*

Thursday-048-1:10 p.m. Hazards, Risks, and Disasters 3 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Brian Pompeii, Christopher Newport University

1:10 Yiyi Zhang*, University of Northern Iowa; *Evaluating livelihood vulnerability of farming communities to winter storms in Iowa*

1:30 Tongxin Zhu*, University of Minnesota; *Spatial variation in the frequency and magnitude of mass movement in a semi-arid, complex-terrain agricultural watershed*

1:50 Claire G. Boryan*, USDA National Agricultural Statistics Service; Avery Sandborn*, USDA; *Agricultural Flood Monitoring during Hurricanes Florence and Michael with Copernicus Sentinel-1 Synthetic Aperture Radar Data*

2:10 Yaoyao Wu*, School of Geography, Faculty of Geographical Science, Beijing Normal University; Yanshen Wu, School of Geography, Faculty of Geographical Science, Beijing Normal University; Hao Guo, School of Geography, Faculty of Geographical Science, Beijing Normal University; Jing'ai Wang, School of Geography, Faculty of Geographical Science, Beijing Normal University; Key Laboratory of Environmental Change and Natural Disaster, MOE, Beijing Normal University; *Social Network Efficiency of Multiple Stakeholders in Dingcheng, China, on Agricultural Drought Risk Governance*

2:30 Lauren Parker*, University of California; *Estimating climate change impacts to frost exposure and related mitigating water use in California almond orchards*

Thursday-049-1:10 p.m. Accessibility and the Journey-to-Work (Sponsored by Transportation Geography Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Yujie Hu, University of South Florida

CHAIR: Angela Antipova, University of Memphis

1:10 Jiawen Zhang*, University of Florida; Liang Mao, University of Florida; *Integrating multi-modal commuting behavior into measures of spatial food accessibility*

1:30 Szymon Marcinczak*, University of Lodz; Bartosz Bartosiewicz, University of Lodz; *Investigating polycentric urban regions in Poland: different measures – different results*

1:50 Matthew Kures*, University of Wisconsin - Madison; Steven Deller, University of Wisconsin - Madison; Tessa Conroy, University of Wisconsin - Madison; *Take Me Home, Country Road: The Rise of Long-Distance Commuting in the Upper Midwest*

2:10 Michael Niedzielski*, Associate Professor, Institute of Geography and Spatial Organization PAS; Rafał Kucharski, Department of Transportation Systems, Cracow University of Technology; *Modal disparities in spatiotemporal accessibility to non-work activities on the commute home from work in Warsaw, Poland*

2:30 Angela Antipova*, University of Memphis; *Using Onthemap for the analysis of commuting distances of low-income workers in Shelby County, TN*

Thursday-050-1:10 p.m. Geographies of the Pluriverse III

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Stephanie Wakefield, Eugene Lang College; Ulrich Oslender, FIU; Alexander Huezo, Florida International University

CHAIR: Alexander Huezo, Florida International University

1:10 Mo Hume*, University of Glasgow; *'A River with rights? Interrogating spaces for socio-environmental resistance in Chocó, Colombia'*

1:30 Charlotte Wrigley*, Queen Mary University of London; *A discontinuous earth: permafrost multiplicity in the Anthropocene*

1:50 Ben Mendelsohn*, University of Pennsylvania; *Mediating Coastal Geologies in Lagos, Nigeria*

2:10 Mary Gearey*, University of Brighton; *Edgelands: wetlands as pluriverse spaces of being-with, being alone and not-being*

2:30 Discussant(s): Ulrich Oslender, Dr, FIU

Thursday-051-1:10 p.m. Commuting — Problems and Solutions

Room: Johnson, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Susanne Nordbakke, Institute of Transport Economics

CHAIR: Susanne Nordbakke, Institute of Transport Economics

1:10 Erik Bjørnson Lunke*, Institute of transport economics; Kåre Skollerud, Institute of transport economics; *Commuters' satisfaction with public transport*

1:30 Susanne Nordbakke*, Institute of Transport Economics; Berit Grue, Institute of Transport Economics; *How commuting is affected by contextual conditions in different segments of the urban population*

1:50 Petter Christiansen*; *Policy congruence between local governments and citizens - effects on political legitimacy*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

2:10 Øystein Engebretsen*, Institute of Transport Economics;
Accessibility and transport mode in commuting

Thursday-052-1:10 p.m. Underrepresented Groups in Geography-Climatology (Sponsored by Climate Specialty Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Marshall East, Marriott, Mezzanine Level (Panel)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Trent Ford, Southern Illinois University; Natalie Teale, Rutgers University
CHAIR:

Thursday-053-1:10 p.m. Integrating Geography, GIScience and Health Research

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
Room: Marshall West, Marriott, Mezzanine Level (Panel)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): The American Association of Geographers
CHAIR: Douglas Richardson, American Association of Geographers
Panelist(s): Douglas Richardson, Executive Director, American Association of Geographers; Mei-Po Kwan, Professor, University of Illinois at Urbana-Champaign; Robert Croyle, National Institute of Health, National Cancer Institute; Io Blair-Freese, Bill & Melinda Gates Foundation; Saara Romu, Selke
Discussant(s): Yonette Thomas, American Association of Geographers

Thursday-054-1:10 p.m. Frontiers of Spatial Autocorrelation (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Yongwan Chun, The University of Texas at Dallas; Daniel Griffith, U. of Texas at Dallas
CHAIR: Yongwan Chun, The University of Texas at Dallas
1:10 Lan Hu*, University of Texas - Dallas; Daniel A. Griffith, University of Texas at Dallas; Yongwan Chun, University of Texas at Dallas; *Space-time statistical insights about geographic variation in lung cancer incidence rates: Florida, 2000-2011*
1:30 Bin Li*, Central Michigan University; *Visualizing spatial structure with Moran spectrum*
1:50 Hyun Kim*, Department of Geography, University of Tennessee, TN; Daniel A Griffith, School of Economic, Political and Policy Sciences, The University of Texas at Dallas, TX; Yongwan Chun, School of Economic, Political and Policy Sciences, The University of Texas at Dallas, TX; *Using spatial autocorrelation to help solve the p-median problem*
2:10 Dan S. Long*, USDA - Agricultural Research Service, Adams, OR; Daniel A. Griffith, University of Texas, Dallas; Craig K. Kvien, University of Georgia, Tifton; *Interpreting spatial variation in multi-year yield data using eigenvector spatial filtering*
2:30 Yongwan Chun*, The University of Texas at Dallas; Daniel A. Griffith, The University of Texas at Dallas; *Impacts of positive-negative spatial autocorrelation mixtures on frequency distributions*

Thursday-055-1:10 p.m. Navigating the New American Arctic: Science and Security Amid Rapid Change (Sponsored by Polar Geography Specialty Group, Canadian Studies Specialty Group)

Room: Marshall South, Marriott, Mezzanine Level (Panel)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Andrey Petrov, University of Northern Iowa
CHAIR: Andrey Petrov, University of Northern Iowa
Panelist(s): Julia Gourley, U.S. Department of State, Office of Ocean and Polar Affairs

Thursday-056-1:10 p.m. Urban Games in the Smart, Sustainable and Creative City (Sponsored by Digital Geographies Specialty Group, Urban Geography Specialty Group, Recreation, Tourism, and Sport Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Marcus Owens, UC Berkeley College of Environmental Design
CHAIR: Marcus Owens, UC Berkeley College of Environmental Design

Thursday-057-1:10 p.m. #Cyberprotest and Internet Disruption: Critical Geographies of Digital Dissent and Suppression (Sponsored by Africa Specialty Group, Digital Geographies Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Amber Murrey, University of Oxford; Patricia Daley, University of Oxford
CHAIR: Patricia Daley, University of Oxford
1:10 Amber Murrey*, University of Oxford; *Internet Stoppage, Blackouts and Activist 'Cybercriminals': Structural & Infrastructural Violence in the #Ambazonian and #Oromo Uprisings*
1:30 Patricia Daley*, University of Oxford; *Cyberspaces of resistance: The limitations of global solidarity networks*
1:50 Lisa-Marie Garbe*, *Internet shutdowns at election times. The case of Uganda*
2:10 Connie Phung*, *Technology and The Political Jeu*
2:30 Daniel Webster*, *Interventions in Online Adspace: Occupations, Algorithms, Orifices.*

Thursday-058-1:10 p.m. Urbanization, Coastal Vulnerability, and Sustainability (III): Ecosystems of cities and their hinterlands (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Qihao Weng, Indiana State University
CHAIR: Yuhong He, University of Toronto Mississauga
1:10 Yuhong He*, Department of Geography, University of Toronto Mississauga; Mitchell Bonney, Department of Geography, University of Toronto Mississauga; *Quantifying fine-scale changes in tree distribution across a suburbanizing landscape: 1944 to 2017*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

1:30 Xiaoxuan Sun*, Western University; *Examining Urban Sprawl in the 35 Census Metropolitan Areas Using Sentinel-2 Imagery and the Monocentric Model*

1:50 Milena Janiec Grygo*, United States Geological Survey; *When Suburb Becomes a Work Center: Capturing the Progress of Urban Sprawl in Wesley Chapel, Pasco County, Florida: 2003-2018*

2:10 Elton Vicente Escobar Silva*, Federal University of São Carlos; Vandoir Bourscheidt, Federal University of São Carlos; Craig S. T. Daughtry, United States Department of Agriculture - Agricultural Research Service; *Development of a vegetation growth model adapted to urban areas*

2:30 Chao Fan*, University of Idaho; *Land use and socio-economic contributors to urban forest pattern and diversity: Evidence from Cook County, IL*

Thursday-060-1:10 p.m. Bodily Ecologies, DIY Medicine, and the Construction of New Health Knowledges (Sponsored by Health and Medical Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Skye Naslund, University of Washington; Chelsea Leiper, University of Delaware

CHAIR: Skye Naslund, University of Washington

1:10 Juliane Collard*, Graduate Student, University of British Columbia; *Embryo ecologies and the (re)production of healthy bodies*

1:30 Skye Naslund*, University of Washington; *Facts & Anecdotes: Building New Health Knowledges through Online Community Engagement and Collective Self-Experimentation*

1:50 Chelsea Leiper*, University of Delaware; *The Body as a Biopedagogical Site: Visceral Acuity and the Ecological Lessons of the Paleo/Keto Body*

2:10 Allison Hayes-Conroy*, Temple University; *Bio2Science: the increasing relevance of critical and feminist geography to life science, health, and medicine*

2:30 Discussant(s): Becky Mansfield, The Ohio State University

Thursday-061-1:10 p.m. Hydrofeminism 1

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Deborah Dixon, University of Glasgow; Henni Lantto, University of Glasgow

CHAIR: Deborah Dixon, University of Glasgow

1:10 Alysse Kushinski*, York University; *Bridging, Leaking*

1:30 Luke Whaley*, The University of Sheffield; *Embodied water flows: creating and following paths of least resistance*

1:50 Jeff Rose*, University of Utah; Sarah Hinnens, Center for Ecological Planning and Design; Keunhyun Park, Utah State University; *Unsheltered homelessness and urban hydrosocial relations: Embodied political ecologies of two Salt Lake City riparian corridors*

2:10 Sophie Lewis*, Amniotecnics

2:30 Discussant(s): Deborah Dixon, University of Glasgow

Thursday-062-1:10 p.m. Climatology 1

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Ziheng Sun, George Mason University

1:10 Ziheng Sun*, George Mason University; Liping Di, George Mason University; *Towards a cyberinfrastructure for preprocessing, inter-comparison and validation of atmospheric models*

1:30 Xin Miao*, Geography, Geology, and Planning Department, Missouri State University; Hongjie Xie, Dept of Geological Sciences, University of Texas at San Antonio; Chaowei Yang, Geography and Geoinformation Science, George Mason University; *Developing Open Source Module for Mining Geophysical Properties of Sea Ice from High Spatial Resolution Imagery*

1:50 Mengchao Xu*, George Mason University; *Spatial-temporal Interpolation of Precipitation for Downscaling Grid-based Climate Data*

2:10 Aldilla Rakhiemah*, The Chinese University of Hong Kong; Yuan Xu, Graduate Division Head/Professor, The Chinese University of Hong Kong; *CO2 Capture, Utilisation and Storage in Indonesia*

2:30 Qian Liu*, George Mason University; *Characteristic of TMPA Rainfall*

Thursday-063-1:10 p.m. Biogeography and Environmental Science

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Anni Yang, University of Florida

1:10 Christopher Black*, University of Toledo; Carol Stepien, University of Washington; Kevin Czajkowski, University of Toledo; Matthew Snyder, University of Toledo; Nate Marshall, University of Toledo; *Vectors for Invasive Species in the Great Lakes*

1:30 GAJENDRA MOHAN DEV SARMA*, RAHA COLLEGE; *The Red Listed Hollock Gibbon in the Brahmaputra Valley*

1:50 Mark Welford*, Georgia Southern University; *Testing Species-Area Relationships with Caribbean Species*

2:10 Qianru Liao*, University at Buffalo; *Spatial pattern of beta biodiversity of plant species in the Cape Floristic Region in South Africa*

2:30 Anni Yang*, University of Florida; Juan Pablo Gomez, University of Florida; Jason K Blackburn, University of Florida; *Exploring Environmental Coverages of Species: A New Variable Selection Methodology for GARP based on rulesets*

Thursday-064-1:10 p.m. Energy Transitions I (Sponsored by Energy and Environment Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Michael Minn, Farmingdale State College

CHAIR: Michael Minn, Farmingdale State College

1:10 Gia Nguyen*, Montclair State University; Pankaj Lal, Ph.D., Clean Energy and Sustainability Analytics Center; Erik Lyttek, Montclair State University;

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Pralhad Burli, Ph.D., Montclair State University;
Taylor Wiczerak, Montclair State University;
*Assessing bioenergy potential using GIS-based
methodology. Case study: pine biomass in Virginia*

1:30 Nuratu Muhammad*, Bayero University Kano; *Factors
determining Energy choice and Consumption in Tofa
L.G.A. Kano State*

1:50 Cissy Monroe*, University of Hawaii - Hilo; *Limits to
Local Food Production in the Hawaiian Islands*

2:10 Elise Harrington*, Massachusetts Institute of Technology;
Ameya Athavankar, two by three; David Hsu,
Massachusetts Institute of Technology, Department of
Urban Studies and Planning; *Variation in household
energy transitions for basic lighting*

2:30 Torsten Schunder*, SUNY - University at Buffalo; *Energy
transition in the context of health vulnerability*

**Thursday-065-1:10 p.m. Migration, Population Distribution,
and Demographic Change: Papers in Honor of David
A. Plane (Sponsored by Population Specialty Group)**

Room: Hoover, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rachel Franklin, Newcastle University; Carl Bauer,
University of Arizona

CHAIR: Carl Bauer, University of Arizona

Panelist(s): Bruce Newbold, Professor, McMaster University;
Meagan Cahill, RAND Corporation; Daoqin Tong, Arizona
State University; Beth Mitchneck, Professor, University of
Arizona; Peter Rogerson, SUNY - BUFFALO

**Thursday-066-1:10 p.m. New Records of Paleoenvironmental
Change 3 (Sponsored by Paleoenvironmental
Change Specialty Group, Mountain Geography
Specialty Group, Climate Specialty Group)**

Theme: Physical Geography in Environmental Science

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Matthew Kerr, The University of Tennessee

CHAIR: Matthew Kerr, The University of Tennessee

1:10 Erik Johanson*, Florida Atlantic University; Mathew Kerr,
University of Tennessee; Sally Horn, University of
Tennessee; Luke Blentlinger, University of Tennessee;
Chad Lane, University of North Carolina Wilmington;
*A 4,200-year record of fire history from the southern
Pacific Costa Rica lowlands*

1:30 Elizabeth Yanuskiewicz*, University of North Carolina
- Wilmington; Chad Lane, University of North
Carolina Wilmington; Erik Johanson, Florida Atlantic
University; Matthew Timothy Kerr, University of
Tennessee; Sally Horn, University of Tennessee;
*Compound-Specific Stable Carbon Isotope Analysis
of Vegetation and Land-Use Change at Laguna Los
Mangos, Costa Rica*

1:50 Sally P. Horn*, University Of Tennessee; Kurt A.
Haberyan, Northwest Missouri State University;
Matthew S. Boehm, University of Tennessee; Matthew
T. Kerr, University of Tennessee; Wesleigh J. Wright,
University of Tennessee; Emma E. Reed, University
of Tennessee; Chad S. Lane, University of North
Carolina Wilmington; Martin R. Arford, Saginaw
Valley State University; Jason E. Graham, University
of Tennessee; *New Proxy Analyses from Laguna
Martinez, Costa Rica*

2:10 Matthew T Kerr*, The University of Tennessee; Sally
P Horn, The University of Tennessee; Chad S Lane,
University of North Carolina Wilmington; *A revised
chronology of paleohydrology and vegetation change
at Laguna Bonillita, Costa Rica*

2:30 Jiaying Wu*, Florida International University; David
F Porinchu, University of Georgia; Sally P Horn,
University of Tennessee; *Late Holocene hydroclimate
variability in Costa Rica: Signature of the Terminal
Classic Drought and the Medieval Climate Anomaly in
the northern tropical Americas*

**Thursday-067-1:10 p.m. UAS Symposium I: SfM for
Forestry and Natural Resources (Sponsored by
Geographic Information Science and Systems
Specialty Group, Remote Sensing Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Adam Mathews, Western Michigan University;
Anthony Cummings, University of Texas at Dallas

CHAIR: John Nowlin, Arkansas State University

1:10 Veronika Jorz*, University of Waterloo; *The Implications of
Contributing Open Aerial Data Through the Use of Drones*

1:30 L. Monika Moskal*, Associate Professor, University of
Washington; Travis Axe, University of Washington;
*Estimating Effective Leaf Area Index (eLAI) in
Heterogeneous Riparian Forest-Buffers: ALS vs. SfM*

1:50 Colton Miller*, College of the Environment, University
of Washington; Meghan Halabisky, College of the
Environment, University of Washington; Monika
Moskal, College of the Environment, University of
Washington; *Local topographic controls on UAV-
derived tree structure change in a forested wetland*

2:10 Grayson R Morgan*, University of South Carolina;
Michael E Hodgson, PhD, University of South
Carolina; *Repeat sUAS Imagery for Multispectral-
based Monitoring of Coastal Marsh Vegetation*

2:30 John Nowlin*, Arkansas State University; Ahmed Hashem,
Arkansas State University; Steve Green, Arkansas State
University; Joe Massey, USDA - ARS - Delta Water
Management Research Unit; *Integrating multi-sensor
UAS into irrigation research in Eastern Arkansas*

**Thursday-068-1:10 p.m. GISCI & the GISP- An Exploration
of Professionalism Early in a Career or Profession
(Sponsored by Careers and Professional Development)**

Room: Wilson A, Marriott, Mezzanine Level (Workshop)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Bill Hodge, GISCI

CHAIR: Bill Hodge, GISCI

1:10 Discussant(s): Bill Hodge, Executive Director, GISCI

**Thursday-069-1:10 p.m. The Academic Job Market for
Geographers: Strategies for Improving Career
Preparation (Sponsored by Careers and Professional
Development)**

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Denise Blanchard, Texas State University

Panelist(s): Julie Silva, Associate Professor, University of
Maryland, College Park; Jonathan Wessell, Adjunct

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Faculty, Grand Valley State University; Paul McDaniel, Assistant Professor of Geography, Kennesaw State University; Matthew Liesch, Associate Professor, Central Michigan University; Zoe Pearson, Assistant Professor, University of Wyoming

Discussant(s): Katsuhiko Oda, Assistant Professor (Teaching), University of Southern California; Erin Foubert, Professor of Geography, Northern State University

Thursday-070-1:10 p.m. Networking: Promoting Yourself by Making Connections that Count (Sponsored by Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Workshop)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR:

Thursday-072-1:10 p.m. Immersive I: Multimodal Visualization for Smart Cities – Urban Data as Augmented Reality, Virtual Reality and Multidimensional Visualizations (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jochen Wendel, European Institute for Energy Research

CHAIR: Jochen Wendel, European Institute for Energy Research

1:10 Tyler LaMantia*, Geography and Planning, West Chester College Of Pennsylvania; Gary Coutu*, Geography and Planning, West Chester University; Eric Quinn*, Newtown Township; *3D VR BIM modeling- Exploring and Managing Interior Campus Space at West Chester University*

1:30 Jochen Wendel*, Research Scientist, European Institute for Energy Research; José Miguel Santana, Centro de Tecnologías de la Imagen (CTIM), Universidad de Las Palmas de Gran Canaria, Spain; Sebastián Ortega Trujillo, Centro de Tecnologías de la Imagen (CTIM), Universidad de Las Palmas de Gran Canaria, Spain; Agustín Trujillo, Centro de Tecnologías de la Imagen (CTIM), Universidad de Las Palmas de Gran Canaria, Spain; Syed Monjur Murshed, European Institute for Energy Research (EIFER), Karlsruhe, Germany; Alexander Simons, European Institute for Energy Research (EIFER), Karlsruhe, Germany; *Making the invisible visible - Multimodal visualization methodologies for urban energy data above and sub-surface*

1:50 Katrina Schweikert*, Blue Marble Geographics; *Applications of 3D GIS for Cultural Heritage Preservation and Accessibility*

2:10 Sooyeon Lim*, Department of Architectural Design, Hanyang University, South Korea; Seungho Yoo, Centre for Advanced Spatial Analysis, University College London, UK; *Designing the smart city with Immersive Technologies: focusing on the design of 5-1 Liveable Area in Sejong City, South Korea*

2:30 Jason Karian*, West Chester University; Gary Coutu, West Chester University; Kyle Erisman*, West Chester University; *Envisioning the Future of West Chester University using 3D GIS*

Thursday-073-1:10 p.m. Local Governance and New Challenges in Urban Policy in a Changing World 3: Aspects of Urban Development II

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Eran Razin, Hebrew University; Carlos Nunes Silva, University of Lisbon

CHAIR: Eran Razin, Hebrew University

1:10 Marc Parés*, Universitat Autònoma de Barcelona; Mara Ferreri, Universitat Autònoma de Barcelona; Sergio Villamayor, Universitat Autònoma de Barcelona; *Governance as commons in the Metropolitan Area of Barcelona: analyzing urban co-production initiatives and their territorial impact*

1:30 Xin Feng*, Tongji University; *Dilemmas of change in Chinese local governance: Reforms in the governance of urban and peri-urban greening in Shanghai*

1:50 Lukasz Mikula*, Adam Mickiewicz University in Poznan; *Metropolitan 'soft spaces' of planning and post-socialist state rescaling in Poland*

2:10 Callum Ward*, KU Leuven; *Authoring Fictitious Capital: uneven development and the politics of urban rent production in Antwerp*

2:30 Benjamin Clifford*, University College London; Janice Morphet, Bartlett School of Planning, University College London; *Austerity and municipal entrepreneurialism: The rise of local authority housing companies in England*

Thursday-074-1:10 p.m. Location Intelligence: Business Geography Research and Applications 2 (Sponsored by Business Geography Specialty Group, Careers and Professional Development)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Tony Hernandez, Ryerson University

CHAIR: Tony Hernandez, Ryerson University

1:10 Introduction(s): Tony Hernandez, Director, CSCA, Ryerson University

1:20 Brett Lucas*, Senior Planner & Geographer, City of Cheney, WA; *Domino's Pizza Turning to "Hotspots" in Addressing the Last Mile Delivery Challenge*

1:35 Sean Crotty*, Texas Christian University; Mark Daku, Texas Christian University; *Invisible no more: An exploratory geospatial typology of illicit massage businesses in the Dallas-Fort Worth Metropolitan Area*

1:50 Herman Kok*, Meyer Bergman; *From Bazar to Mall in Turkey in 30 years*

2:05 Stephen J. Swales*, Ryerson University; K. Wayne Forsythe, Ryerson University; Joseph Aversa, Ryerson University; *Recent Market Change and Retail Responses in Canada*

2:20 Guangliang Xi*, Nanjing University; Feng Zhen, Nanjing University; *The association between e-shopping through same day delivery and store shopping behavior: empirical evidence from Nanjing, China*

2:35 Joseph Aversa*, Ryerson University; Tony Hernandez, Ryerson University; Sean Doherty, Wilfrid Laurier University; *The Assimilation of Spatial Big Data Analytics within Retail Location Decision-Making*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Thursday-080-1:10 p.m. Digital Enclosures (Sponsored by Digital Geographies Specialty Group, Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Palladian, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): James Thatcher, University of Washington Tacoma; Luis Alvarez Leon, Dartmouth College

CHAIR: James Thatcher, University of Washington Tacoma

1:10 Anna Beck*, University of Wisconsin; *Building Infectious Disease through Prediction Algorithms and Data Ownership*

1:25 Jathan Sadowski*, The University of Sydney; *The Internet of Landlords: Digital Enclosure and Rentier Capitalism*

1:40 Michael Grote*, Frankfurt School of Finance & Management; Matthew A Zook, University of Kentucky; *Initial Coin Offerings: Raising Valueless Capital*

1:55 Isaac Rivera*, University of Washington; *Earth Writing, Vector Abstraction, and the GIS: Towards an analytic of Vectors of Dispossession*

2:10 Margaret Jack*, Cornell University; *Infrastructural History of the Internet: Media Transitions and Violence in 1990s Cambodia*

2:25 Discussant(s): Luis Alvarez Leon, Dartmouth College

Thursday-081-1:10 p.m. Economic Geography VIII - Culture, Diversity, Innovation & Markets, and the Evolution of the Space Economy (Sponsored by Economic Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Jennifer Clark, Georgia Institute of Technology

1:10 David Bailey*, Aston University; Lisa De Propriis*, University of Birmingham UK; *Beyond 'Industry 4.0'? Implications for Industrial and Regional Policy*

1:30 Ian D MacFarlane*, EA Engineering, Science, and Technology, Inc., PBC; Key MacFarlane, University of California Santa Cruz; *Psychocultural Differences and "Labor-Managed Firm" Distributions Across the United States*

1:50 Carlo Corradini*, Birmingham Business School; Enrico Vanino, LSE; *Agglomeration economies and skill matching: evidence from UK regions*

2:10 Damian Maye*, University of Gloucestershire; Mauro Viganì, University of Gloucestershire; Hannah Chiswell, University of Gloucestershire; Erik Mathijs, University of Leuven; Isabelle Bonjean, University of Leuven; *Agricultural commodity markets and the role of contractualisation and cooperative governance to manage market uncertainty: new forms of institutional governance*

Thursday-082-1:10 p.m. Towards a Global Geography of the Plantation (Sponsored by Cultural and Political Ecology Specialty Group, Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Directors Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Sophie Moore, Nelson Institute for Environmental Studies; Levi Van Sant, Georgia Southern University

CHAIR: Gustavo Oliveira, University of California - Irvine

1:10 Sophie Moore*, Dr., Nelson Institute for Environmental Studies; *Whiteness and Plantation Power: Race, Space, and Capital in Haiti*

1:30 Jean-Francois Bissonnette*, *The materiality and metaphor of plantation agriculture: Solastalgia and rhythms of production and destruction*

1:50 Jeff Popke*, East Carolina University; *Plantationocene Legacies and Disaster Capitalism: Reworking the Caribbean Socio-Natural Metabolism*

2:10 Discussant(s): Ashante Reese, Spelman College

2:30 Alyssa Paredes*, Yale University; *Chemical Double-Binds: The Philippine Anti-Aerial Spray Movement from the Banana Plantation's Periphery*

Thursday-083-1:10 p.m. Food Security and Human Rights

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Ricardo Salvador, Union of Concerned Scientists

1:10 Mozhu Zhou*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Jieyong Wang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Structure and Evolution of Global Cereals Trade Networks : Implications for Food Security*

1:30 Nathaniel Dede-Bamfo*, Texas State University; *Food Under Scope: Examining Food Establishments in Austin, TX*

1:50 He Jin*, Texas State University - San Marcos; Yongmei Lu, Texas State University - San Marcos; *Examining consumer nutrition environment in food desert and food swamp neighborhoods*

2:10 Ricardo Salvador*, Union of Concerned Scientists; Stephen R Gliessman, University of California at Santa Cruz; Bina Agarwal, University of Manchester; Molly Anderson, Middlebury College; Million Belay, Alliance for Food Sovereignty in Africa; Lim Li Ching, Third World Network; Emile Frison, Bioversity International; Hans Herren, Millennium Institute USA; Maryam Rahmiani, TEEBAgriFood; Hairong Yan, Hong Kong Polytechnic University; *Agroecology Now! Transitions-Transformations for a More Just and Sustainable Food System*

Thursday-084-1:10 p.m. Critical Environmental Justice (II) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Executive Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Anthony Levenda, Arizona State University; Erin Goodling

CHAIR: Anthony Levenda, Arizona State University

1:10 Clare Cannon*, UC Davis/ University of the Free State, South Africa; Julia Wentzel, University of California, Davis; *"Doing critical EJ: A community-based approach to examining exposure and assessing community health in the San Joaquin Valley, CA"*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

- 1:30** Joel Correia*, University of Florida; *"We won't wait with our arms crossed": Critical environmental justice, indigeneity, and settler colonial disruption*
- 1:50** Dean Hardy*, Postdoctoral Fellow, National Socio-Environmental Synthesis Center, University of Maryland; *Entanglements of Race, Property, and Flood Risk as Legacy Vulnerability*
- 2:10** Tracy Perkins*, Howard University; *Movement, Place, Process, People or Concept?: The Multiple Meanings of Environmental Justice*

Thursday-086-1:10 p.m. Urban Inequality III (Sponsored by Urban Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Yehua Dennis Wei, University of Utah

CHAIR: Han Li, University of Miami

- 1:10** Junsong Wang*, *Effects of Agglomeration, Regulations, and Technology on Pollutant Emissions in China: Integrating Spatial and Social Network Analysis*
- 1:30** DANDAN LI*, Yehua Dennis Wei, University of Utah; *Innovation Policies and Regional Development in China*
- 1:50** Canfei He, Peking University; Changda Yu*, Peking University; Shengjun Zhu, Peking University; *Convergence and divergence: The spatial-temporal dynamics of urban export structural inequality in China*
- 2:10** Meitong Liu*, University of Utah; Yehua Dennis Wei, University of Utah; Han Li, University of Miami; Yangyi Wu, University of Utah; *Environmental Cost and Environmental Justice of Air Pollution in China*
- 2:30** Yangyi Wu*, University of Utah; *Amenity, Firm Location, and Innovation Output in Shanghai: A Perspective from Open Data*

Thursday-087-1:10 p.m. Unfreedom in Contemporary Labour Regimes 2 (panel)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Siobhan McGrath, Durham University; Louise Waite

CHAIR: Louise Waite

Introduction(s): Louise Waite, Lecturer in Human Geography

Panelist(s): Siobhan McGrath, Dr., Durham University; Madhumita Dutta, The Ohio State University; Leah Montange, University of Toronto

Discussant(s): Sharad Chari, University of California, Berkeley

Thursday-088-1:10 p.m. Part III: Environmental Migration: Current Realities, Future Prospects (Sponsored by Population Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Cabinet Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Maia Call, The National Socio-environmental Synthesis Center; Robert McLeman, Wilfrid Laurier University

CHAIR: Robert McLeman, Wilfrid Laurier University

- 1:10** Kathryn Grace*, University of Minnesota - Minneapolis; ANDREW VERDIN, UNIVERSITY OF MINNESOTA, TWIN CITIES; *How changing environmental factors interact with individual factors*

to influence migration behavior in environmentally precarious communities

- 1:30** Douglas Hopping*, Douglas L Hopping, University of North Carolina; *Monsoon Timing and Variability Impact Internal Migration in India*

- 1:50** Richard E. Bilsborrow, Carolina Population Center; Qi Zhang*, University of North Carolina at Chapel Hill; Shiqi Tao, Michigan State University; Xiaodong Chen, University of North Carolina at Chapel Hill; Chong Liu, Jiangxi Normal University; Conghe Song, University of North Carolina at Chapel Hill; Stephen J. Walsh, University of North Carolina at Chapel Hill; *Interactions between payments for ecosystem services with land use change and labor migration*

- 2:10** Anamaria Bukvic*, Virginia Tech; *Acquisition and relocation in coastal communities: assessment of FEMA Hazard Mitigation Grant Program 1989-2016*

- 2:30 Discussant(s):** Maia Call, The National Socio-environmental Synthesis Center

Thursday-089-1:10 p.m. 8. Population Specialty Group: Immigration and Incorporation (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

- 1:10** James DeFilippis*, Rutgers University; *Immigrant Communities and Struggles for Social Justice in Queens, NY*
- 1:30** Alexandra Buckland-Stubbs*, BSc(hons) PGCLTHE FHEA, University of Hertfordshire; Dr Richard Lloyd Vaughan Southern, MA PGCE PhD FRGS, University of Hertfordshire; Dr Darren Stewart Crook, PhD, University of Hertfordshire; *The Housing Experiences of Polish Migrants in the UK*
- 1:50** Miriam Kuckuck*, University Wuppertal; *Integration through Peers - A Study on the Integration of Migrant Children in School Networks at German Schools*
- 2:10** Arianna Salazar Miranda*, *The Shape of Segregation: The Role of Urban Form in Immigrant Assimilation*
- 2:30** Elizabeth Chacko*, The George Washington University; *Portraying Place: Murals in DC's Gentrifying Columbia Heights and Shaw neighborhoods*

Thursday-090-1:10 p.m. Urban Data Science VII: Methods & Models for our Changing Cities (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Levi Wolf, University of Bristol; Wei Kang, University of California - Riverside; Taylor Oshan, University of Maryland - College Park

CHAIR: Levi Wolf, University of Bristol

- 1:10** Micah L Brachman*, University of Maryland; Russell Provost, Montgomery Planning; David Anspacher, Montgomery Planning; *Solving the first mile problem with low-stress bicycling routes*
- 1:30** Natalie Rose*, University of Liverpool; Les Dolega, University of Liverpool; *Using machine learning to explore the impact of weather on high street retail in the UK*

THURSDAY, April 4 • 1:10 PM - 2:50 PM

- 1:50** Susie Philp*, University of Liverpool; Les Dolega, University of Liverpool; Mark Green, University of Liverpool; Alex Singleton, University of Liverpool; *Sensing Dynamic Retail Environments*
- 2:10** Paul Longley*, University College London; Tim Rains, University College London; *Consumer data measures of hardship in London and the rest of the United Kingdom*
- 2:30** Krasen Samardzhiev*, University of Liverpool; *Topological data analysis of urban telecommunication activity patterns*
- 2:50 Discussant(s):** Levi Wolf, Lecturer in Quantitative Human Geography, University of Bristol

Thursday-091-1:10 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Smart Cities and Urban Computing III (Sponsored by Cartography Specialty Group, Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Congressional B, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Bandana Kar, Oak Ridge National Laboratory; Zhenlong LI, University of South Carolina

CHAIR: Zhenlong LI, University of South Carolina

- 1:10** Huyen Le*, Virginia Tech; Ralph Buehler, Virginia Tech; Yingling Fan, University of Minnesota; Steve Hankey, Virginia Tech; *From Travel Satisfaction to Transport Mode Choice: Evidence from a Smartphone Study*
- 1:30** Ana Louro, Centre of Geographical Studies / Institute of Geography and Spatial Planning Universidade de Lisboa; Nuno Marques da Costa*, Centre of Geographical Studies / Institute of Geography and Spatial Planning Universidade de Lisboa; Eduarda Marques da Costa, Centre of Geographical Studies / Institute of Geography and Spatial Planning Universidade de Lisboa; *Active transport for livable communities in Lisbon Metropolitan Area (Portugal) – Who, where, and for what?*
- 1:50** Yung-Ming Tsai*, National Taiwan Normal University, Department of Geography; Kuo-Chen Chang, Professor, National Taiwan Normal University, Department of Geography; *An Unsupervised Machine Learning Approach for Multi-dimensional Network Data Mining*
- 2:10** Nick Pittman*, Tufts University; Emma Christie Homstad, Tufts University; Shan Jiang, Tufts University; *Impacts of Extreme Heat on Bike Share Usage in Minneapolis and Boston*
- 2:30** Kristen De Kroon*, University of Waterloo; Su-Yin Tan, University of Waterloo; Simron Singh, University of Waterloo; Rob Symmes, University of Waterloo; Tomer Fishman, Yale University; John Telesford, T.A. Marryshow Community College; *A Study of Building Material Stocks and the Service-Nexus in the City of Kitchener from a 4D GIS perspective.*

Thursday-092-1:10 p.m. The Roepke Lecture in Economic Geography: “War, Capitalism, and the Making and Unmaking of Economic Geographies” — Erica Schoenberger — Johns Hopkins University (Sponsored by Economic Geography Specialty Group, Routledge, Taylor & Francis Group)

Room: Empire Room, Omni, West (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): James Murphy, Clark University

CHAIR: James Murphy, Clark University

Panelist(s): Erica Schoenberger, Johns Hopkins University

Discussant(s): Richard Walker, Professor Emeritus, University of California-Berkeley

Thursday-093-1:10 p.m. Books, Geography, and Writing for the Public (Sponsored by Cultural and Political Ecology Specialty Group, Legal Geography Specialty Group, Historical Geography Specialty Group)

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Eric Perramond, Colorado College

CHAIR: Rebecca Lave, Indiana University

Panelist(s): Eric Perramond, Professor, Colorado College; Susanne Freidberg, Dartmouth College; Rebecca Lave, Associate Professor, Indiana University; Peter Walker, University Of Oregon; Aaron Bobrow-Strain, Whitman College; Kate Marshall, University of California Press

Thursday-094-1:10 p.m. Fire-driven Vegetation Change 3 (Sponsored by Biogeography Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Lucas Harris, Pennsylvania State University; Anthony Zhao, The Pennsylvania State University; Alan Taylor, Pennsylvania State University

CHAIR: Alan Taylor, Pennsylvania State University

- 1:10** Helen Poulos*, WESLEYAN UNIVERSITY Middletown, CT; Charlotte Reemts, The Nature Conservancy; John Karges, The Nature Conservancy; Kelsey Wogan, Sul Ross State University; *Multiple wildfires with minimal consequences: Low-severity wildfire effects on piñon-juniper-oak woodlands of the Davis Mountains, Texas, USA*
- 1:30** Alan Taylor*, Pennsylvania State University; Lucas B Harris, MS, Department of Geography, The Pennsylvania State University; Stacy Drury, PhD, USDA Forest Service, Pacific Southwest Research Station; *Spatial patterns and controls of fire severity in the Klamath Mountains of California, USA*
- 1:50** Paul Laris*, CSU Long Beach; *Determinants of tree survival and growth rates in the frequently burned mesic savanna of Mali*
- 2:10** Connor Stephens*, Clark University; Brandon Collins, University of California, Berkeley; John Rogan, Clark University; *Characterizing the Impact of Federal and Private Land Ownership on Post High-Severity Wildfire Forest Regeneration in the Mixed Conifer Forest of the Sierra Nevada, California.*
- 2:30** Michael Gallagher*; Nicholas S Skowronski, PhD, USDA Forest Service; Kevin Hiers, Tall Timbers Research Station; Megan Rhone, Rutgers University; Nicholas Soriano, University of Maryland; Dylan Bell, Stockton

THURSDAY, April 4 • 1:10 PM - 2:50 PM

University; Thomas Gerber, New Jersey Forest Fire Service; Brian Corvinus, New Jersey Forest Fire Service; Benjamin Brick, New Jersey Forest Fire Service; Michael Achey, New Jersey Forest Fire Service; *Understanding the importance of season and quality of fire in the maintenance of pitch pine forests*

Thursday-095-1:10 p.m. Youth Leading Global Change

Room: Blue Room, Omni, East (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jane Dyson, Oxford University; Sara H. Smith, University of North Carolina

CHAIR:

Panelist(s): Mark Ortiz, Mr., University of North Carolina - Chapel Hill - Chapel Hill, NC; Jane Dyson, Dr., University of Melbourne; Dena Aufseeser, Assistant Professor, University of Maryland Baltimore County; Pallavi Gupta, University of North Carolina - Chapel Hill; Benjamin Bowman, Manchester Centre for Youth Studies

Thursday-097-1:10 p.m. GeoAI and Deep Learning

Symposium: Geo-Text Data and Location-based Social Media (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cyberinfrastructure Specialty Group)

Room: Capital Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Yingjie Hu, University At Buffalo; Roger Wang, Rutgers University; Gengchen Mai, University of California - Santa Barbara, CA

CHAIR: Christa Brelsford, Oak Ridge National Laboratory

1:10 Pengyuan Liu*, University of Leicester; Stefano De Sabbata, University of Leicester; *Learning Digital Geographies through a Correlation-based Autoencoder*

1:30 Roger Wang*, Rutgers University; *Social Media Diffusion Pattern Recognition for Flood Hazards using Dimensionality Reduction*

1:50 Yingjie Hu*, Assistant Professor, University At Buffalo; *EUPEG: Towards an Extensible and Unified Platform for Evaluating Geoparsers*

2:10 Gengchen Mai*, University of California - Santa Barbara, CA; Bo Yan, University of California - Santa Barbara, CA; Krzysztof Janowicz, University of California - Santa Barbara, CA; Rui Zhu, University of California - Santa Barbara, CA; *Relaxing Unanswerable Geographic Questions Using A Spatially Explicit Knowledge Graph Embedding Model*

2:30 Xi Liu*, Pennsylvania State University; *trajGANs: Using generative adversarial networks for geo-privacy protection of trajectory data*

Thursday-098-1:10 p.m. Beyond Legal Recognition:

Mapping Dispossession and Other Methodological Openings for Counter-mapping (Sponsored by Cultural and Political Ecology Specialty Group, Political Geography Specialty Group, Legal Geography Specialty Group)

Room: Embassy Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Sarah Kelly, Research Center for Integrated Disaster Risk Management; Manuel Prieto, Universidad Catolica del Norte

CHAIR: Sarah Kelly, Research Center for Integrated Disaster Risk Management

1:10 Manuel Prieto*, Universidad Catolica del Norte; *Mapping memories without subjects: An archaeological approach to the study of the dispossession of the San Pedro de Inacaliri River (Atacama Desert, Chile)*

1:30 Sarah Kelly*, CIGIDEN, Universidad Católica de Chile; *Mapping threats, hope, and history: A collaborative methodological approach to counter-mapping*

1:50 Murat Arsel*, Institute of Social Studies; *Bombarding with data? Drones, neo-extractivism and environmental justice in the Amazon*

2:10 Walker DePuy*, University of Georgia; *Challenges and openings from a collaborative, multi-modal mapping project amid an Indonesian resource frontier*

2:30 Olaia Chivite Amigo*, University of Michigan; Maria Arquero de Alarcon, University of Michigan; Martin Murray, University of Michigan; *The Contested Urbanisms of Abandonment*

Thursday-099-1:10 p.m. Exhaustion, Endurance And Living On...III: Contemporary Pathologies

Room: Hampton Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Leila Dawney, University of Brighton, UK; Thomas Jellis, University of Oxford

CHAIR: Leila Dawney, University of Brighton, UK

1:10 Harry Pettit*, School of Geography & Environment, University of Oxford; *Emotional Oscillations: depression and cruelty in precarious Egypt*

1:30 Myriam Amri*, Harvard University; *The Already Dead: Temporalities & claims among young unemployed people in Tunisia*

1:50 Kathryn Dennler*, York University; *Normalizing Uncertainty, Risking Normality: How Migrants with Precarious Status Live with Troubled Temporalities*

2:10 Austin Cummings*, Portland State University; *Casing the Neighborhood: Walking, Mapping, and Photographing the Socio-Political and Affective Dimensions of Gentrification*

2:30 Discussant(s): Thomas Jellis, Dr, University of Oxford

Thursday-100-1:10 p.m. Archives and Geography: Knowledge, Politics, Ethics

Room: Calvert Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Laura Crawford, Loughborough University; Irene Hardill, Northumbria University, UK

CHAIR: Janice Monk, University of Arizona

1:10 Introduction(s): Janice Monk, Research Professor, Geography & Development, Research Social Scientist Emerita, University of Arizona

1:15 Meghan Cope*, Professor, University of Vermont; *Illegitimate, Feeble-minded, and Drunk: Historical geographies of childhood through early 20th C. archives*

1:35 Jacob Fairless Nicholson*, King's College London - London; *Being humble in the archive: reflections on working in Black community archives in London*

1:55 Hannah Martin*, Northumbria University; *Intersectionality in the archive: power structures, absences and scale in archival research of BAME seafarers in early twentieth century Britain.*

2:15 Irene Hardill*, Northumbria University, UK; Angela Ellis Paine, Third Sector Research Centre, University of

THURSDAY, April 4 • 1:10 PM - 2:50 PM

Birmingham, UK; Rose Lindsey, Dr, Southampton University; Georgina Brewis, University College London, UK; Rob Macmillan, CRESR- Center for Regional Economic and Social Research, Sheffield Hallam University, UK; *Co-producing Knowledge Through Archival Engagements: Reflections on the UK Discourses of Voluntary Action project*

2:35 Discussant(s): Laura Crawford, Loughborough University

Thursday-101-1:10 p.m. Coalition Building Between Food Sovereignty And Urban Food Justice Advocates In Pursuit Of More Just And Sustainable Food Governance (Sponsored by Geographies of Food and Agriculture Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Governor's Room, Omni, East (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Colleen Hammelman, University of North Carolina - Charlotte; Kristin Reynolds; Charles Levkoe, Lakehead University

CHAIR: Colleen Hammelman, University of North Carolina - Charlotte

Introduction(s): Ricardo Salvador, Union of Concerned Scientists

Panelist(s): Beverly Wheeler, DC Hunger Solutions; Xavier Brown, Founder and Executive Director, Soilful City; Michael Jahi Chappell, Senior Research Fellow, Coventry University

Thursday-102-1:10 p.m. Author Meets Critics: Sami Moisió's Geopolitics of the Knowledge Based Economy (Sponsored by European Specialty Group)

Room: Chairman's Boardroom, Omni, East (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Christian Sellar, University of Mississippi

CHAIR: Christian Sellar, University of Mississippi

Introduction(s): Christian Sellar, PhD, University of Mississippi

Panelist(s): Jun Wang, Dr., City University of Hong Kong; Joe Painter, University of Durham; Christopher Gaffney, Clinical Associate Professor, New York University; Merje Kuus, Professor of Geography, University of British Columbia; Paul Adams, Professor, University of Texas at Austin

Discussant(s): Sami Moisió, University of Helsinki

Thursday-103-1:10 p.m. Emerging Geographies of Amazonia: Lessons for a Changing World III (Sponsored by Latin America Specialty Group, Cultural and Political Ecology Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jennifer Langill, McGill University; David Salisbury, University Of Richmond; Michael Waylen, University of Florida

CHAIR: Cynthia Simmons, University of Florida

1:10 Stephen Perz*, University of Florida; *Another Fork in the Road? Prospects for Infrastructure Projects and Resource Extractivism in the Amazon*

1:30 Jennifer Langill*, McGill University; Christian Abizaid, University of Toronto; Oliver T. Coomes, McGill University; Yoshito Takasaki, University of Tokyo; *Exposure, impacts and coping with large flood events in western Amazonia: Lessons from the Ucayali River, Peru*

1:50 Aghane De Carvalho Antunes*, University of Florida; *The Political Ecology of Ntff and Global Cosmetic Industry: The Contribution of Ntff Derived Income to Rural Livelihoods in the Brazilian Amazon (An Econometric Exploration)*

2:10 Sara Diamond*, PhD Student, University of Texas; *Kambo: International exploits of Amazonian Frog Medicine*

2:30 Phillip Mohebalian*, U.S. Bureau Of the Census; *Aiming the Design of Tropical Forest Conservation Contracts Toward Greater Impact*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-010-3:05 p.m. Nepal Geographies: Keynote Lecture (Sponsored by Asian Geography Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Katharine Rankin, University of Toronto

CHAIR: Galen Murton, James Madison University

Panelist(s): Dinesh Paudel, Assistant Professor, Appalachian State University

Discussant(s): Neera Singh, Associate Professor, University of Toronto; Nanda Shrestha, Professor, Florida A&M University; Katharine Rankin, Professor, University of Toronto

Thursday-012-3:05 p.m. Critical Geographies of Energy and Food (Part 2): Intersections and Productive Tensions (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Deepti Chatti, Yale University; Gretchen Sneegas, University of Georgia

CHAIR: Gretchen Sneegas, University of Georgia

3:05 Serena Stein*, Princeton University; *Convivial Ecologies of Extraction: Farming Futures in Mozambique's Agro-Energy Corridor*

3:25 Matthew Shutzer*, New York University; *Petrol-Geographies of Famine: India's Green Revolution in the Global Energy Crisis of the 1970s*

3:45 Maya Manzi*, Mecila; *Speculative Knowledge-Based Economies: The Case of Agrodiesel Production in Bahia, Brazil*

4:05 Daniel Tubb*, University of New Brunswick, Fredericton; *The Social Life of Oil Palm: Palm oil, biofuels, and the agrarian transformation of the Middle Magdalena, Colombia*

4:25 **Discussant(s):** Matt Huber, Associate Professor, Syracuse University

Thursday-016-3:05 p.m. Experiential Learning in Geography Education I (Sponsored by Geography Education Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

3:05 Ellen Hansen*, Professor, Emporia State University; *Volunteer tourism as service learning in Kenya*

3:25 Thomas Craig*, Mayville State University; Kelli Odden, Mayville State University; Dina Zavala-Petherbridge, Mayville State University; *"Giving and Learning" through an English Tutoring Program for Refugees: Building Awareness, Empathy, and Better Global Citizenship in Undergraduate Geography Students*

3:45 Maureen Kelley*, San Jose State University; *The Dérive: Deliberate Wandering in an Urban Landscape is Good for the Geographic Soul*

4:05 Janet Puhalla*, SUNY Plattsburgh; *Introducing virtual international collaboration to undergraduate courses*

4:25 Derek France*, University of Chester, UK; Martin Haigh, Oxford Brookes University, UK; *The Changing Nature*

of Fieldwork in Geography Higher Education: A 40-year Review

Thursday-017-3:05 p.m. Geographies of Education III: Dynamics of Power in Educational Spaces (Sponsored by Critical Geographies of Education Specialty Group, Cultural Geography Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Jacob Brenner, Ithaca College

3:05 Symon James-Wilson*, University of Toronto; *Contested Geographies of School Segregation and the In/security Paradox*

3:25 Rob Neff*, Towson University; *Charter Schools in Baltimore as a Potential Driver of Social Change*

3:45 Beyhan Farhadi*, University of Toronto; *Emerging Geographies of Inequality: E-Learning in the Toronto District School Board*

4:05 Katharine Terrell*, Sheffield Hallam University; *Children's spaces and bodies of resistance: The hidden, the vertical and the mundane in the elementary school classroom*

4:25 Carl D Brown*, M.L.S., Southern Methodist University; *Academic Freedom - Stand your Ground: Human Rights for Teachers*

Thursday-018-3:05 p.m. Shrinking Cities: China and International Comparisons II (Sponsored by Asian Geography Specialty Group, China Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Chung-Tong Wu, Western Sydney University; Kai Zhou, Hunan University

CHAIR: Kai Zhou, Hunan University

3:05 Yuanshuo Xu*, Cornell University; *Urban Growth and Shrinkage under State Rescaling in China: Time-series Clustering and Geographic Weighted Modeling*

3:25 Chung-Tong Wu*, Emeritus Professor, Western Sydney University; *Shrinking Cities in Post-Socialist Nations: China, Russia & Poland*

3:45 Gintare Pociute-Sereikiene*, Lithuanian Social Research Centre; *The story of shrinking city in Lithuania: drivers, consequences and governance*

4:05 Dick Magnusson*, Linköping University; *Infrastructure management in shrinking municipalities*

4:25 Yann Beauloye*, Université de Lorraine; Michel Deshaies, Lorraine University; *Conversion of the former cross-border coalfield of Lorraine (France) and Saarland (Germany)*

Thursday-019-3:05 p.m. Spatiality of Inner Urban Transportation (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Jonah White, Michigan State University

3:05 Ronghui Tan*, Kehao Zhou, School of Economics and Management, Tianjin Chengjian University; *Do public transportation infrastructures affect housing price in China? Insights from Wuhan*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

- 3:25** Yuanjie Tu*, Peking University; Jiawen Yang, Peking University; Yuan Xu, Peking University; Yunan Lin, Peking University; *The biking revival under China's Transit Metropolis Initiative: the Case of Shenzhen's dockless shared bikes*
- 3:45** Zhou Lin*, Tsinghua University; *The street networks evolution in Beijing old city since the establishment of the Republic of China: A syntactical view*
- 4:05** Dr. RAJASEKARAN DESHI*, Associate Professor, Department of Geography, Govt. Arts College, Dr.B.R.Ambedkar Veedhi, Bangalore-560001. Affiliated to Bangalore Central University; *Mushrooming of Highrises in Central Business District areas has Triggered Congested Roads into a Chaotic Twister in Bangalore City, India*

Thursday-020-3:05 p.m. Multi-locality as a Living and Working Practice

- Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Johanna Lilius, Aalto university; Kimmo Lapintie, Aalto University
CHAIR: Kimmo Lapintie, Aalto University
- 3:05** Claudia Hille*, University of Applied Sciences Erfurt; *Between mobility and mooring – coping strategies of multi-local-living-commuters*
- 3:25** Danielle Lindemann*, Lehigh University; *Gender, Marriage, and Satisfaction: Lessons from Commuter Spouses*
- 3:45** Nitin Bathla*, ETH Zurich; *From Multi-locality to Urban Contestation: A study of housing and work practices of labor migrants in the extended urban region of Delhi*
- 4:05** Johanna Lilius*, Aalto university; Kimmo Lapintie*, Aalto University; *Space, place, urban planning and multi-locals – a Finnish perspective*
- 4:25 Discussant(s):** Kimmo Lapintie, Aalto University

Thursday-021-3:05 p.m. CJRS 4. Transportation System Use II

- Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): John Miron, University of Toronto
CHAIR: John Miron, University of Toronto
- 3:05** Haoyi Xiong*, University of Iowa; Xun Zhou, University of Iowa; Amin Vahedian, University of Iowa; Dave Bennett, University of Iowa; *Urban Traffic Congestion Detection*
- 3:25** Hiroyuki Iseki*, University of Maryland; *Impacts of Rail Transit Accessibility on Firm Spatial Distribution: A Case in the Metropolitan Area of Washington, DC*
- 3:45** Blake Acton*, *A Model for Building a Streetcar in the Transit Skeptical American City: Lessons Learned from Kansas City*
- 4:05** Donggen Wang*, HONG KONG BAPTIST UNIVERSITY; Zidan Mao, Department of Geography, Hong Kong Baptist University; *Commute satisfaction and mode shift intentions: a case study in Shanghai*
- 4:25** Kristian Hegner Reinau*, Ph.D. Associate Professor, Aalborg University; Sergey Tsiulin, Research Assistant, Aalborg University; *City Logistics in medium-sized Scandinavian Cities: The Potential of Collaborative Logistics*

Thursday-022-3:05 p.m. Alternative Geographies of Gentrification 1 (Sponsored by Urban Geography Specialty Group)

- Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Gordon Douglas, San José State University - San Jose, CA; Jeffrey Parker, University of Chicago
CHAIR: Gordon Douglas, San José State University - San Jose, CA
- 3:05** Alfredo Huante*, University of Denver; *Gradations and Tensions: Latinas and Gentrification Discourse in a Los Angeles Barrio*
- 3:21** Minji Kim*, University of Wisconsin - Milwaukee; *Tourism gentrification in less-privileged urban neighborhoods? The case of South Korean cities*
- 3:37** Serge A. Marek*, Ph.D., Hawai'i Pacific University, Department of History & International Studies; Annette Koh, Ph.D., Cal Poly Pomona, Department of Urban & Regional Planning; *Whither Kaka'ako?: Progressive Urbanism vs. Place-Based Incursions of Global Capital In Honolulu's Most Developable Neighborhood*
- 3:53** Gillian Tiley*, *Re-imagining Providence: The 'Creative Capital' Campaign and the Gentrification of Downcity*
- 4:09** Sebastián Villamizar-Santamaria*, CUNY - Graduate Center; *Suburbanization Smells Like Rural Gentrification: Population Change and the Question of Definition in the Colombian Countryside*
- 4:25 Discussant(s):** Gordon Douglas, San José State University - San Jose, CA

Thursday-023-3:05 p.m. Financial Geography: State of the Art and Future Research Directions (Part 2) (Sponsored by Economic Geography Specialty Group)

- Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Janelle Knox-Hayes, MIT; Dariusz Wojcik, School of Geography and the Environment, Oxford University
CHAIR: Janelle Knox-Hayes, MIT
- 3:05** Karen Lai*, Dr, National University of Singapore; *Dis/re-intermediating finance through fintech: reflections on firms, nodes and networks*
- 3:25** Matthew Zook*, Professor, University of Kentucky; *Blockchain Geographies: The Spaces, Networks and Practices of Cryptocurrencies*
- 3:45** Gordon Clark*, Smith School of Enterprise and the Environment; *Asset Owners, Investment Management, and Commitment: An Organizational Framework*
- 4:05** David Bieri*, Virginia Tech; *Central Banks and the Governance of Monetary Space*
- 4:25** Aniket Shah*, *Development Banks as Financial Institutions: A Conceptual Analysis*

Thursday-024-3:05 p.m. Cultural Landscapes II: Asia and Beyond

- Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Franklin Ginn
- 3:05** Qiqi Wang*, University of Alberta; *The Lived Experience and Sense of Place among Family Sponsored Late-age Chinese Immigrants in Edmonton*
- 3:25** Shen Ying*, School of Resource and Environmental Sciences, Wuhan University; Zhaopeng Wang, Digital

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Human Resources Research Center, South-central University For Nationalities; Dawei Shao, Digital Human Resources Research Center, South-central University For Nationalities; Jingyang Hou, School of Resource and Environmental Sciences, Wuhan University; Min Weng, School of Resource and Environmental Sciences, Wuhan University; Heng Wu, School Of Economics and Management, Wuhan University; *Ancient poets' mobility and the transition of culture centre based on poem data*

3:45 TSETAN DOLKAR*, Govt. EJM COLLEGE LEH; *Landscape as a Palimpsest of the Socio Cultural Change A study of Leh town India*

4:05 Mai Kobayashi*, Research Institute for Humanity and Nature; *Meat in a post-development world: insights from Bhutan*

4:25 Franklin Ginn*; *Plants for a Cold Cosmos*

Thursday-025-3:05 p.m. Identification of Pathways towards Sustainable Development Goals 1: the Role of Global Climate Actions, Belt and Road Initiative and Ecological Progress

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Ying Wang

CHAIR: Zhanqi Wang

3:05 Yiming Li, Beijing Institute of Technology; Bin Zhang, Beijing Institute of Technology; Yuantao Yang, Beijing Institute of Technology; Bo Wang, Beijing Institute of Technology; Zhaohua Wang*, Beijing Institute of Technology; *Research on the optimization of China's industrial institutions under emission reduction targets—based on input-output and multi-objective programming models*

3:25 Yu Liu*, Institutes of Science and Development, Chinese Academy of Sciences (CASISD); Yawen Liu, Institutes of Science and Development, Chinese Academy of Sciences (CASISD); *The Impacts of Climate Change on China's Rice Self-sufficiency Based on GTAP Model with Alternative Regional Feedback Mechanisms*

3:45 Jiangjiang Xia, Institute of Atmospheric Physics, Chinese Academy of Sciences; Zhangang Han*, Beijing Normal University; Na Ying, Beijing Normal University; Hansunbai Li, Beijing Normal University; Haochuan Cui, Beijing Normal University; Qinghua Chen, Beijing Normal University; Yu Ye, Beijing Normal University; Qian Ye, Beijing Normal University; *A Systematic Approach to the Cost Assess of CO2 Emission*

4:05 Xiangzheng Deng*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yuping Bai, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Economic Impact and Social Cost of Climate Change and Carbon Reduction*

4:25 Li Dan*, Institute of Atmospheric Physics, Chinese Academy of Sciences; *The co2 heterogeneity with climate change*

Thursday-026-3:05 p.m. Critical engagements with creative geographies II (Sponsored by Sexuality and Space Specialty Group, Geographic Perspectives on Women Specialty Group, Qualitative Research Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Aparna Parikh, Dartmouth College; Eden Kinkaid, Pennsylvania State University

CHAIR: Aparna Parikh, Dartmouth College

3:05 Heather A Davis*, University of Tennessee; *"Knox Community Well Be" - a community radio approach to community wellbeing and health justice*

3:25 Philip Nicholson*, Dr, University of Glasgow; *Performing Creative GIS*

3:45 Kela Caldwell*, University of Wisconsin - Madison; Kallista Bley, University of Wisconsin-Madison; *Transforming Justice: Tensions in Creative Practices for Documenting Policing*

4:05 Madhumita Dutta*, The Ohio State University; *From space(s) of failure to creativity*

4:25 Discussant(s): Harriet Hawkins, Professor, Royal Holloway, University of London

Thursday-027-3:05 p.m. Author Meets Critics: Richard L Nostrand's "The Making of America's Culture Regions" (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jeffrey Widener, University of Oklahoma; Douglas Hurt, University of Missouri

CHAIR: Jeffrey Widener, University of Oklahoma

Introduction(s): Douglas Hurt, Assistant Teaching Professor, University of Missouri

Panelist(s): Timothy Anderson, Associate Professor, Ohio University; Douglas Hurt, Assistant Teaching Professor, University of Missouri; Jeffrey Smith, Associate Professor, Kansas State University; Jeffery Roth, Associate Professor of Geography, Stephen F. Austin State University; Geoffrey Buckley, Professor, Ohio University; Craig Colten, Carl O. Sauer Professor, Louisiana State University; Alyson Greiner, Professor, Oklahoma State University; Jeffrey Widener, Director Center for Spatial Analysis, University of Oklahoma

Discussant(s): Richard Nostrand, Professor, University of Oklahoma

Thursday-028-3:05 p.m. The Geography of Innovation, Entrepreneurship, And Regional Prosperity

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Khaula Alkaabi

CHAIR: Khaula Alkaabi

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-031-3:05 p.m. Increasing the Participation and Validation of Geographers at Underrepresented Institutions: Research Strategies (Sponsored by Stand-Alone Geographers Affinity Group, Community College Affinity Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): David Kaplan, Kent State University; Amy Potter, Georgia Southern University

CHAIR: Amy Potter, Georgia Southern University

Introduction(s): Amy Potter, Assistant Professor of Geography, Georgia Southern University

Panelist(s): Joshua Long, Associate Professor, Southwestern University; Eddie Modlin, Norfolk State University; John Finn, Assistant Professor, Christopher Newport University; Zia Salim, California State University - Fullerton; Mark Palmer, Assistant Professor, University of Missouri-Columbia

Discussant(s): Renee Louis, Associate Researcher, Institute of Policy and Social Research

Thursday-032-3:05 p.m. Mainstreaming Biodiversity

Conservation

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Juha Uitto, Global Environment Facility

CHAIR: Juha Uitto, Global Environment Facility

3:05 Mark Zimsky*, GEF; *Biodiversity Mainstreaming In Practice*

3:25 Mark Higgins*, USAID BRIDGE Project; *Biodiversity Integration at USAID*

3:45 Yoji Natori*, Conservation International - Washington, DC; *The GEF-Satoyama Project: Global Mapping of Important Socio-Ecological Production Landscapes and Seascapes*

Thursday-033-3:05 p.m. Monuments, Memorials, and the Politics of Place III (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group, Historical Geography Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria; Ian Baird, The University of Wisconsin - Madison

CHAIR: Reuben Rose-Redwood, University of Victoria

3:05 Timur Hammond*, Syracuse University; *Memorializing Turkey's July 15, 2016 Coup Attempt in Istanbul: Spectacle, Embodiment, and the Material Trace*

3:25 Agnes Eross*, Geographical Institute RCAES Hungarian Academy of Sciences; *Re-branding multiethnicity: Politics of street names and the reinvention of local heritage in the contested public space of Oradea, Romania*

3:45 Péter Reményi*, University of Pécs; *The Field of the Blackbirds – a multilayered memorial space in Kosovo*

4:05 Jane Zheng*, *Politicizing everyday urban life: Monumental sculptures in Shanghai*

4:25 Zhe Dong*, University of Virginia - Charlottesville, VA; *"Forever Red": History, Theory, and Practice of Heritage Preservation in Mao Zedong's Birthplace*

Thursday-033.5-3:05 p.m. GIS and Remote Sensing

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Sarah Trimble, US Naval Research Laboratory

3:05 Igor Florinsky*, Keldysh Institute of Applied Mathematics, Russian Academy of Sciences; Sergei Filippov, Keldysh Institute of Applied Mathematics, Russian Academy of Sciences; *Development of a system for three-dimensional geomorphometric modelling the Arctic Ocean floor*

3:10 Sarah Trimble*, US Naval Research Laboratory; *Automated Detection of Rip Currents in ARGUS Imagery using Direction of Minimum Variance Parameter*

3:15 Lori Bombach*, *US 219 Somerset, Somerset County to Meyersdale Bypass in Summit Township*

3:20 Wenli Huang*, *Mapping Forest Height using Multi-source Remote Sensing Data in Hunan Province, China*

3:25 Meyru Bhanti*, Clark University; *Hallmarks of Aquaculture Intensification*

3:30 Mark Rochelo*, Georgia College and State University; *How Can A Drone Class Benefit Your Institution?*

3:35 Aaron Meneghini*, Clark University; Florencia Sangermano, Ph.D, Clark University; *An Evaluation of Sentinel 1 and Sentinel 2 for Land cover classification*

3:40 Zhe Wang*, University of Idaho; Chao Fan, Assistant Professor; *Spatiotemporal Evaluation of Land Cover Impacts on Urban Climate*

3:45 Forrest Hisey*, *Understanding Place and Policy: Assessing the Connectivity of the Beaver Hills Moraine*

3:50 Abdelgadir Abuelgasim*, United Arab Emirates University; *Retrieving Aerosol Optical Depth Over A Desert City Using High Spatial Resolution Landsat-8 OLI Data*

3:55 Donna Selch*, SUNY Stony Brook University; *Establishing Methodology for Hindcasting Sea Surface Salinity using Landsat Imagery*

4:00 Yating Ru*, International Food Policy Research Institute - WASHINGTON, DC; Ulrike Wood-Sichra, International Food Policy Research Institute; Timothy Thomas, International Food Policy Research Institute; Liangzhi You, International Food Policy Research Institute (IFPRI); Brian Blankespoor, The World Bank Group; Erwin Kalvelagen, International Food Policy Research Institute (IFPRI); *Generating Gridded Agricultural GDP for The World: A Spatial Disaggregation Model Based on Cross-Entropy Allocation*

4:05 Hu Linshu*, *The practice of distributed computing framework in spatial big data processing*

4:10 Juozas Gaigalas*, *Metadata Catalog Optimization for Heterogeneous Near-Real-Time Earth System Data*

4:15 Peleg Kremer*, Villanova University; *Relationship between structure of urban land and surface temperature*

Thursday-034-3:05 p.m. Feminist Digital Geographies IV: Care/Intimacy (Sponsored by Digital Geographies Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Agnieszka Leszczynski, Western University; Gillian Rose, University of Oxford

CHAIR: Agnieszka Leszczynski, Western University

THURSDAY, April 4 • 3:05 PM - 4:45 PM

- 3:05** Roberta Hawkins*, University of Guelph; *Feminist ethics of care in and through online spaces*
- 3:25** Robyn Mayes*, Queensland University of Technology; Penelope Williams, Queensland University of Technology; *Folding in life: digital platforms and the socio-spatial extensions of caring and creative work*
- 3:45** Christine Schenk*, University of Zurich; *Intimacy - negotiating proximity and distance in social media in Sri Lanka*
- 4:05** Emma Waight*, Coventry University; *Digital surveillance as maternal: selling baby monitors in the UK and US*
- 4:25 Discussant(s):** Jennie Middleton, University of Oxford

Thursday-035-3:05 p.m. Symposium on Frontiers in Geospatial Data Science: Synergizing Geospatial Data Science with Domain Applications IV: Disaster Management (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Zhe Zhang, University of Illinois; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Zhe Zhang, University of Illinois

- 3:05** Zhe Zhang*, Texas A&M University; Hao Hu, University of Illinois at Urbana-Champaign, U.S.A.; Dandong Yin, University of Illinois at Urbana-Champaign; Shakil Kashem, University of Illinois at Urbana-Champaign; Ruopu Li, Southern Illinois University; Heng Cai, Louisiana State University; Dylan Perkins, University of Wyoming; Shaowen Wang, University of Illinois at Urbana-Champaign; *A CyberGIS-Enabled Multi-Criteria Spatial Decision Support System: A Case Study on Flood Emergency Management*
- 3:25** Xiao Li*, Department of Geography, Texas A&M University; Daniel W Goldberg, Department of Geography, Texas A&M University; Da Huo, Department of Geography, Texas A&M University; *An Effective Pothole Identification and Measurement System Using Mobile Devices*
- 3:45** Shakil Kashem*, University of Illinois at Urbana-Champaign; *A framework for CyberGIS-enabled multi-scale space-time index for analyzing urban social vulnerability dynamics*
- 4:05** Frank LaFone*, West Virginia University; Trevor Harris, West Virginia University; *Communicating flood risk through 3D visualization: informing model design through the uncanny valley*

Thursday-036-3:05 p.m. IMBYisms and the Housing Crisis in the Global North (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Eliot Tretter, University of Calgary

CHAIR: Eliot Tretter, University of Calgary

- 3:05 Introduction(s):** Winifred Curran, Associate Professor, DePaul University
- 3:15** Eliot Tretter*, University of Calgary; Richard Heyman*, University of Texas at Austin; *Supply-Side Urbanism*
- 3:35** Elvin Wyly*, University of British Columbia; *Evolutionary YIMBY Urbanism*

- 3:55** Christopher Niedt*, Hofstra University; *From Suburban NIMBYism to YIMBYism?*

- 4:15** Benjamin Teresa*, Assistant Professor, Virginia Commonwealth University; *Social Protection and the Struggle over Rent Control*

- 4:35 Discussant(s):** Rachel Brahinsky, Assistant Professor, University of San Francisco

Thursday-037-3:05 p.m. Racial Regimes of Property IV: FUTURES (Sponsored by Black Geographies Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Malini Ranganathan, American University; Anne Bonds, University of Wisconsin, Milwaukee

CHAIR: Malini Ranganathan, American University

- 3:05** Mia Dawson*; *The Kings Ain't Playin' No One Tonight: Black Lives Matter Sacramento's abolition work and the de-sanctifying of property*
- 3:23** Asha Best*, Clark University; Margaret Ramirez*, Stanford University; *Urban specters: Black women's geographies and the afterlives of property*
- 3:41** Sara Safransky*, Vanderbilt University; *The city after property*
- 3:59** Heather Dorries*, Carleton University; *Planning Without Property?*
- 4:17 Discussant(s):** Anne Bonds, University of Wisconsin, Milwaukee

Thursday-038-3:05 p.m. Cultural Geography Specialty Group Marquee Address by John Franklin (Sponsored by Cultural Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Sharon Wilcox, University of Wisconsin; Matthew Cook, Eastern Michigan University

CHAIR: Sharon Wilcox, University of Wisconsin

- 3:05 Introduction(s):** Matthew Cook, Assistant Professor, Eastern Michigan University

Thursday-040-3:05 p.m. W2_10 Why? When? and How to Use 3D across the ArcGIS Platform (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Thursday-041-3:05 p.m. Powerful Geography: A Progress Report (Sponsored by Careers and Professional Development)

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Michael Solem, National Center for Research in Geography Education

CHAIR: Michael Solem, National Center for Research in Geography Education

Introduction(s): Michael Solem, Co-Director, National Center for Research in Geography Education

Panelist(s): Richard Boehm, Jesse Jones Dist Chair, Texas State University; Joann Zadrozny, Texas State University; Thomas Larsen, Texas State University

THURSDAY, April 4 • 3:05 PM - 4:45 PM • Poster Sessions

Thursday-043.1-3:05 p.m. Geography, GIScience, and Health: Building an International Geospatial Health Research Network (IGHRN)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Insu Hong*, West Virginia University; Jamison Conley, West Virginia University; Bradley Wilson, West Virginia University; *WV HEALTHLINK: Mapping Primary Health Care Disparities in the Mountain State*

003 Poster(s) Dawn M Nekorchuk*, University of Oklahoma; Abere Mihretie, Health, Development, and Anti-Malaria Association, Addis Ababa, Ethiopia; Teklehaymanot Gebrehiwot, Amhara Public Health Institute, Bahir Dar, Ethiopia; Justin K Davis, University of Oklahoma; Andrea Hess, University of Oklahoma; Aklilu Getinet, Health, Development, and Anti-Malaria Association, Addis Ababa, Ethiopia; Worku Awoke, Bahir Dar University, Bahir Dar, Ethiopia; Michael C Wimberly, University of Oklahoma; *Malaria Forecasting in the Amhara Region of Ethiopia: Development of an R & Google Earth Engine-based System to Bridge the Research to Local Operations Gap*

004 Poster(s) Emily Glaeser*, Texas Tech University; *Hearing the Deaf Community*

005 Poster(s) Suresh Muthukrishnan*, Department of Earth and Environmental Sciences, Furman University, Greenville, South Carolina, USA; Maxwell Kamba, Department of Land Management, Mzuzu University, Malawi; Prince Kaponda, Department of Water Resources Management and Development, Mzuzu University, Malawi; Rochelle H. Holm, Centre of Excellence in Water and Sanitation, Mzuzu University, Malawi; Mavuto Tembo, Department of Agriscience, Mzuzu University, Malawi; Rory Barber, United Nations Children's Fund Malawi (UNICEF - Malawi); *Cholera in Malawi: Spatial and Temporal Patterns of Occurrence and Prevention Strategies*

006 Poster(s) Shane Leister*; *Cannon Beach Vertical Evacuation Building Analysis*

Thursday-043.2-3:05 p.m. Geospatial Health Research Poster Session (Sponsored by Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Kirsten Beyer, Medical College of Wisconsin; Chetan Tiwari, University of North Texas

001 Poster(s) Karen Johnson-Webb*, Bowling Green State University; *Black Women, Structural Racism and Stress: An Intersectional Analysis*

002 Poster(s) Selasi Dorkenoo*, Ryerson University; Lu Wang, Ryerson University; Sepali Guruge, Ryerson University; Margaret Walton-Roberts, Wilfred Laurier University; Bharati Sethi, University of Western Ontario; Denise Spitzer, University of Ottawa; *Accessing informal and formal social supports among older immigrants in Canada: A mixed-methods approach*

003 Poster(s) Anne Corrigan*, Bloomberg School of Public Health; Paige Nichols, MD, Mayo Clinic; Hiten Patel, Johns Hopkins Brady Urological Institute; Frank Curriero, Bloomberg School of Public Health; *Identifying U.S. Counties for Telemedicine Intervention to Address Geographic Disparities in Urologic Cancer Mortality*

004 Poster(s) Carter Eckhardt*, Saginaw Valley State University; Andrew J Miller, PhD, Saginaw Valley State University; John Brophy, Mobile Medical Response, Inc.; Frederick Schulz, Saginaw Valley State University; Justin Schram, Saginaw Valley State University; Mackenzie Bethune, Saginaw Valley State University; *Spatial Distribution of Opioid Overdoses - Saginaw County, MI*

005 Poster(s) Mika Kumagai*; *Effect of time and location on the number of frequent emergency hospital refusal of ambulance transport calls*

006 Poster(s) Alexandria Reimold*, University of North Carolina Wilmington, Department of Earth and Ocean Sciences; Joanne Halls, University of North Carolina Wilmington, Department of Earth and Ocean Sciences; Barbara Lutz, University of North Carolina Wilmington, School of Nursing; Steele Olsen, University of North Carolina Wilmington, Department of Earth and Ocean Sciences; *Investigating Parkinson's disease in the United States: An exploration of environmental and socio-economic variables and distance to treatment centers*

007 Poster(s) Andrew Richards*, Grand Valley State University; *Analyzing the Relation Between Affluence, Influenza, and Racial Factors in the American South*

008 Poster(s) Anton Kvit*, Johns Hopkins Bloomberg School of Public Health; John Jacobs, Cooperative Oxford Lab, National Oceanic and Atmospheric Administration; Benjamin Davis, Johns Hopkins Bloomberg School of Public Health; Frank Curriero, Johns Hopkins Bloomberg School of Public Health; *Adjusted, non-Euclidean cluster detection of *Vibrio parahaemolyticus* in the Chesapeake Bay*

009 Poster(s) Benjamin Zhan*, Texas State University; Xi Gong, University of New Mexico; Guixing Wei, Brown University; Niaz Morshed, Texas State University; *Spatial Data Science and Health Research*

010 Poster(s) Braimah Asumah Joseph *, Queen's University; Mark W Rosenberg, Department of Geography and Planning, Queen's University; *Experiences and coping strategies by mental health patients in Ghana: A scoping review*

011 Poster(s) Bryce Mase*, Meredith Metcalf, Eastern Connecticut State University; *Examining Spatial Distributions of Arsenic and Uranium in Private Drinking Water Wells Along the Connecticut River*

012 Poster(s) Cara L Frankenfeld, Department of Global and Community Health, George Mason University; Timothy Leslie*, George Mason University; *County-level socioeconomic factors and residential racial, Hispanic, poverty, and unemployment segregation associated with drug overdose deaths in the United States, 2010-2015*

013 Poster(s) Chong-En Li*, PhD student, National Taiwan Normal University; Nae-wen Kuo, Professor, National Taiwan Normal University; *The Food Desert in Aged Countries of East Asia: A Case Study of Taipei City and Tokyo Metropolis*

THURSDAY, April 4 • 3:05 PM - 4:45 PM • Poster Sessions

- 014 Poster(s)** Cynthia Pope*, Central Connecticut State University; *Acculturation Stress Amongst Cubans Living in Non-Traditional Locations in the United States*
- 015 Poster(s)** Daniel Wiese*, Temple University; Shannon M. Lynch, Cancer Prevention and Control, Fox Chase Cancer Center, Philadelphia, PA; Kevin A. Henry, Department of Geography and Urban Studies, Temple University, Philadelphia, PA; Kristen Sorice, Cancer Prevention and Control, Fox Chase Cancer Center, Philadelphia, PA; Minhhuynh Nguyen, Cancer Prevention and Control, Fox Chase Cancer Center, Philadelphia, PA; Evelyn Gonzalez, Cancer Prevention and Control, Fox Chase Cancer Center, Philadelphia, PA; *Geospatial Analytics and Sensitivity/Specificity Assessments to Inform Liver Cancer Prevention*
- 016 Poster(s)** Emily Sin*, *Spatial Dimension of Trust in the Biomedical Supply Chain*
- 017 Poster(s)** Fikriyah Winata*, University of Illinois at Urbana-Champaign; *Human Risk of Lyme Disease Compared to the Occurrence of Ixodes scapularis Ticks in Illinois*
- 018 Poster(s)** Frederich Schulz*, Saginaw Valley State University; Andrew J Miller, PhD, Saginaw Valley State University; John Brophy, Mobile Medical Response, Inc.; Justin Schram, Saginaw Valley State University; Mackenzie Bethune, Saginaw Valley State University; Carter Eckhardt, Saginaw Valley State University; *Spatial Patterns of Opioid Overdose – Saginaw County, MI*
- 019 Poster(s)** Gena Driscoll-Brantley*, SUNY - Geneseo; *Potentially Preventable Emergency Room Visits in New York State's Finger Lakes Region*
- 020 Poster(s)** Huali Xiang*, School of Public Administration, Zhongnan University of Economics and Law, Wuhan 430073, China; Department of Geography, Kent State University, Kent, OH 44240, USA; Jun Yang, Zhongnan University of Economics and Law; Youye Zhang, Zhongnan University of Economics and Law; *The Short-term and Long-term Effects of Environmental Pollution on Health Capital*
- 021 Poster(s)** Ivan J Ramirez*, University of Colorado Denver; Jieun Lee, University of Northern Colorado; Sue C Grady, Michigan State University; *Mapping Multi-Infectious Disease Risk during El Niño: An Ecosyndemic Approach*
- 022 Poster(s)** Jieun Lee*, University of Northern Colorado, Department of Geography, GIS, and Sustainability; Ivan Jorge Ramirez, PhD, University of Colorado-Denver, Department of Geography and Environmental Sciences; *Spatial Analysis of Housing Affordability, Health Issues, and Health Care Accessibility in Colorado*
- 023 Poster(s)** Joseph Grzywacz, PhD, Florida State University; Nezahualcoyotl Xiuhtecutli, MA, Farmworker Association of Florida; Antonio Tovar*, Principal Investigator, Farmworker Association of Florida; *Increasing Farmworker Illness Prevention through Inter-Institutional Network Links*
- 024 Poster(s)** Joseph Hoover*, University of New Mexico; *Using geospatial technology to inform risk assessment of human exposure to metals via consumption of animal meat and organs*
- 025 Poster(s)** Jun Xiao*, College of Sciences and Engineering, Texas A&M University Corpus Christi, Geospatial System Engineering Program; Lucy Huang, College of Sciences and Engineering, Texas A&M University Corpus Christi; Hua Zhang, College of Sciences and Engineering, Texas A&M University Corpus Christi; Lei Jin, Department of Mathematics & Statistics, Texas A&M University Corpus Christi; *The influence of meteorological parameters and air pollution on emergency department visits of cardiovascular and respiratory diseases in coastal bend, Texas*
- 026 Poster(s)** Kai Ying Lau, Tufts University; Ju Ying Hung, Tufts University; Kyle Monahan*, Tufts University; *Shades of Green: A Systematic Review of Uncertainty, Accessibility, and Stakeholder Participation in Models of Green Space and Health*
- 027 Poster(s)** Katherine Jones*, East Carolina University; Huabin Luo, PhD, Department of Public Health, East Carolina University; Christopher J. Mansfield, PhD, Department of Public Health, East Carolina University; *Tracking Trends and Patterns in the Opioid Epidemic in North Carolina: Early Results from the Opioid Action Plan Metrics*
- 028 Poster(s)** Keiara Reames*, Claflin University Masters of Biotechnology; Gloria McCutcheon, Claflin University Department of Biology; Samina Noorali, Claflin University Department of Biology; Erika Rhett, Claflin University Department of Math and Computer Science; *Knowledge and Awareness of Human Papillomavirus among College Students at a Historically Black College/University in South Carolina*
- 029 Poster(s)** Kimberly A Clevenger*, MS, Michigan State University; Amber L Pearson, PhD, Michigan State University; University of Otago; Karin A Pfeiffer, PhD, Michigan State University; Joseph Gardiner, PhD, Michigan State University; *Outdoor physical activity, the neighborhood environment, and cardiometabolic health in low-income, predominantly African American Detroit residents*
- 030 Poster(s)** Korine Kolivras*, Virginia Tech; *Past and future Lyme disease trends in Virginia and the southeastern United States*
- 031 Poster(s)** Kourtney Johnson*, MS, Department of Geography, University of Montana; Christiane von Reichert, PhD, Department of Geography, University of Montana; *In Case of Emergency: Local Medical Services and Emergency Air Transport in Southeast Alaska*
- 032 Poster(s)** Lu Wang*, Ryerson University; Sepali Guruge, Dr., Ryerson University; Kamran Khan, Dr., St. Michael's Hospital; University of Toronto; *Spatial and Language Discordance in Accessing Physicians among Older Immigrants in Toronto, Canada: Identifying Barriers, Facilitators and Interventions*
- 033 Poster(s)** Maggie Li*, *Impacts of Saharan Dust on Asthma Prevalence across Senegal*
- 034 Poster(s)** Mair Thomas*, University of Southampton; Jim Wright, Dr, University of Southampton; Merlin Willcox, Dr, University of Southampton; *Treatment-seeking Behaviour Prior to Under-five Child Deaths in Uganda and Mali*
- 035 Poster(s)** Mark T Roberts*, MPH, PhD, Fred Hutchinson Cancer Research Center; Margaret Madeleine, MPH, PhD, Fred Hutchinson Cancer Research Center; Patricia deHart, ScD, Washington State Department of Health; *Analysis of Geographic Variation in Human Papillomavirus Vaccination Initiation in Washington State 2014-2018*

THURSDAY, April 4 • 3:05 PM - 4:45 PM • Poster Sessions

- 036 Poster(s)** Matin Katirai*, Ph.D., MPH, West Chester University; Whitney Katirai, Ed.D., MPH, West Chester University; Christine A. Williams, Ph.D., West Chester University; Corey M. Shamy, West Chester University; *Geographic factors and the relationship between mental health and substances use among college Students*
- 037 Poster(s)** Maya P. Scott-Richardson*, M.S., University of Illinois Urbana-Champaign; Marilyn O'hara Ruiz, Ph.D., University of Illinois Urbana-Champaign; Rebecca L. Smith, Ph.D., University of Illinois Urbana-Champaign; *Examining arsenic levels from surface soil and drinking water sources and its contribution to the occurrence of low birth weight infants in Escambia and Santa Rosa counties, Florida*
- 038 Poster(s)** Megan Stevenson*, Virginia Tech; Korine Kolivras, Virginia Tech; *The Effects of Land Cover Change on the Spatial Distribution of Lyme Disease in Northern Virginia Since 2005*
- 039 Poster(s)** Mei Yang*, Texas A&M University - Corpus Christi; Yuxia Huang, Texas A&M University - Corpus Christi; *Associate Effects of Neighborhood Socioeconomic Characteristics and Spatial Access to Healthcare Facilities on Potential Preventable Conditions of Emergency Department Visits for Adults in Texas Coastal Bend Area*
- 040 Poster(s)** Michael Topmiller*, PhD, HealthLandscape, American Academy of Family Physicians (AAFP); Jennifer Rankin, PhD, HealthLandscape, American Academy of Family Physicians (AAFP); Mark Carrozza, MA, HealthLandscape, American Academy of Family Physicians (AAFP); David Grolling, MS, HealthLandscape, American Academy of Family Physicians (AAFP); Hank Hoang, PharmD, Bureau of Primary Health Care, Health Resources & Services Administration (HRSA); Alek Sripipatana, PhD, Bureau of Primary Health Care, Health Resources and Services Administration (HRSA); *Medication-Assisted Treatment (MAT) in High-Need Areas: How Health Centers can Improve Access to Treatment for Opioid Use Disorder with Vulnerable Populations*
- 041 Poster(s)** Nandi Taylor*, MPH, ASPPH/NHTSA Public Health Fellow; Jeremiah Kinsman, EMT, MPH, DOT-NHTSA; *Exploratory Analysis: The Spatial Patterns of Motor Vehicle Crashes and Drug Overdose Deaths across the United States*
- 042 Poster(s)** Reza Shirzad, Department of Geo-spatial Information System (GIS), K. N. Toosi University of Technology, Tehran, Iran; Aliasghar Alesheikh, Professor at the Department of Geo-spatial Information System (GIS), K. N. Toosi University of Technology, Tehran, Iran; Mohsen Ahmadkhani*, University of Minnesota; *Risk zoning of Aedes Albopictus considering environmental factors in Iran*
- 043 Poster(s)** Yunliang Meng*, Central Connecticut State University; *Multiple Sclerosis Disease and County-level Contextual Characteristics: A Case Study in New England Region*
- 044 Poster(s)** Sophia Reyes*, California State University, Northridge; *Exploring the relationship between Air Pollution and Alzheimer's Disease within California*
- 045 Poster(s)** Stephen O'Connell*, University of Central Arkansas; *GIS, Health Geographies, and the 1918-1919 Flu Pandemic: A Preliminary Investigation*
- 046 Poster(s)** Sue Grady*, Michigan State University; *Societal Determinants of Health: A Integrated Modeling Framework*
- 047 Poster(s)** William Barnes*, SUNY - Albany; Forest Swaciak, SUNY Albany; *Geospatial analyses of radon, smoking, and lung cancer rates in New York State*
- 048 Poster(s)** Xiaomin Qiu*, Missouri State University; Shuo-Sheng Wu, Stantec Inc.; *Geographic variations of the relationships between life expectancy and health behaviors in the U.S.*
- 049 Poster(s)** Xiaoping Shen*, Central Connecticut State University; Li Zhu, National Cancer Institute, National Institute of Health; Limin Wang, Chinese Center for Disease Control and Prevention; Xiulan Zhang, Beijing Normal University; Jiangmei Liu, Chinese Center for Disease Control and Prevention; Lijun Wang, Chinese Center for Disease Control and Prevention; *Geographic Disparity of Liver Cancer Mortality, Forty Year Analysis*
- 050 Poster(s)** Xuwei Chen*, Northern Illinois University; *A temporal analysis of the association between breast cancer and socioeconomic and environmental factors*
- 051 Poster(s)** Yingru Li*, University of Central Florida; Ting Du, University of Central Florida; *Children and Adolescents' Dieting Behavior and Family Eating Pattern: Do Self- or Parental Perceptions on Weight Matter?*
- 052 Poster(s)** Yuhong Zhou*, PhD, MS, ME, Institute for Health & Equity, Medical College of Wisconsin; Sima Namin, PhD, MA, Institute for Health & Equity, Medical College of Wisconsin; Tobi Cawthra, Advancing a Healthier Wisconsin Endowment, Medical College of Wisconsin; Melinda Stolley, PhD, Department of Medicine, Medical College of Wisconsin; Jessica Olson, PhD, MPH, Institute for Health & Equity, Medical College of Wisconsin; Sandra Millon-Underwood, RN, PHD, FAAN, College of Nursing, University of Wisconsin Milwaukee; Kirsten Beyer, PhD, MPH, MS, Institute for Health & Equity, Medical College of Wisconsin; *Explorative Analysis of Female Triple Negative Breast Cancer Incidence: spatial disparity and its association with race and environmental factors in Wisconsin*
- 053 Poster(s)** Zachary R. Becker*, Eastern Washington University; Jason Y. Scully, PhD, MUP, Eastern Washington University; Margo Hill, JD, MURP, Eastern Washington University; Dick G. Winchell, PhD, FAICP, Eastern Washington University; Richard A. Rolland, Rolland Associates; *Health Care Deserts: Identifying Areas of Limited Access in Washington State*
- 054 Poster(s)** Hector N L Samani*, University of Nebraska - Omaha; *Using GIS to develop cholera risk map for emergency preparedness in Greater Accra, Ghana*

Thursday-043.3-3:05 p.m. Poster Competition for Geography, GIScience and Health: Spatial Aspects of Cancer, NCDs and Health Behavior (Sponsored by International Journal of Environmental Research and Public Health (IJERPH))

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
 Room: Lincoln 2, Marriott, Exhibition Level (Poster)
 Time: 3:05 p.m. - 4:45 p.m.

THURSDAY, April 4 • 3:05 PM - 4:45 PM • Poster Sessions

ORGANIZER(S): David Berrigan, U.S. National Institutes of Health - National Cancer Institute

- 002 Poster(s)** Diane BenBella*, Ms, University of Connecticut; Debarchana Ghosh*, University of Connecticut; *"HIV on the road": Tracing a geospatial story of HIV transmission in Uganda's Northern Transportation Corridor*
- 003 Poster(s)** Jennifer Alford-Teaster*, Geospatial Project Director, Geisel School of Medicine - Dartmouth College; Julie Weiss, MS, Geisel School of Medicine - Dartmouth College; Fahui Wang, PhD, Louisiana State University; *Automated Delineation of Cancer Service Areas (CSA) by Network Optimization*
- 004 Poster(s)** Joseph Wonsil*, Carthage College; Wenjie Sun, Carthage College; *A Spatio-Temporal Visualization and Clustering Analysis of Leukemia and Lymphoma in the United States*
- 005 Poster(s)** Chan-mi Lee*, Texas Tech University; *Spatial Association between PM10 and Valley Fever Incidents: A Case Study of Arizona*
- 006 Poster(s)** Mariah Caballero*, Vassar College; Solmaz Amiri, PhD, Department of Nutrition and Exercise Physiology, Elson S. Floyd School of Medicine, Washington State University, Spokane, WA 99202, USA; Justin T Denney, PhD, Department of Sociology, Washington State University, Pullman, WA 99164, USA; Pablo Monsivais, PhD, Department of Nutrition and Exercise Physiology, Elson S. Floyd School of Medicine, Washington State University, Spokane, WA 99202, USA; Perry Hystad, PhD, College of Public Health and Human Sciences, Oregon State University, Corvallis, OR 97331, USA; Ofer Amram, PhD, Department of Nutrition and Exercise Physiology, Elson S. Floyd School of Medicine, Washington State University, Spokane, WA 99202, USA; *Estimated Residential Exposure to Agricultural Chemicals and Premature Mortality by Parkinson's Disease in Washington State*
- 007 Poster(s)** Ge Shi*, Purdue University; *Spatio-temporal Patterns and Health Risk Assessment of Socioeconomic and Environmental Changes for Lung Cancer in Highly Urbanized Region: A Case Study of Jiangsu Province*
- 008 Poster(s)** Calvin Tribby*, National Cancer Institute; David Berrigan, National Cancer Institute; *Trends in transit use, walking to transit, and ridesharing between 2009 and 2017*
- 009 Poster(s)** Jason LaPanne*, Keene State College; *Urban Heat Island Effect in Keene, NH*
- 0010 Poster(s)** Kyla Garvey*, *Storytelling in Buzzard Point*
- 011 Poster(s)** Xueying Li*, Ministry of Education Key Laboratory for Earth System Modelling, Department of Earth System Science, Tsinghua, Beijing, China; Department of Environmental Health Sciences, Columbia University, New York, NY, United States; Bing Xu, Ministry of Education Key Laboratory for Earth System Modelling, Department of Earth System Science, Tsinghua, Beijing, China; State Key Laboratory of Remote Sensing Science, College of Global Change and Earth System Science, Beijing Normal University, Beijing, China; Jeffrey Shaman, Department of Environmental Health Sciences, Columbia University, New York, NY, United States; *Pathobiological features that favor the intercontinental dissemination of highly pathogenic avian influenza virus H5N8*
- 012 Poster(s)** Rakibul Shogib*, South Dakota State University; Jamie Spinney, Assistant Professor; *Mapping Light Pollution at Brookings, South Dakota (Using SQM, Lux, and GIS Techniques)*
- 013 Poster(s)** Stephen Osero*, Author; Jian Chen, Advisor; *GIS Analysis of Human Excreta Management in Slum areas and its impacts on the Environment - Viwandani, Nairobi Kenya*
- 014 Poster(s)** Shruti Khandelwal*, Michigan State University; Zeenat Kotval-K, Ph.D., AICP, Michigan State University; Kendra Wills, Michigan State University; Kea Norrell Aitch, Michigan State University; Julia Darnton, Michigan State University; *Food Desert- Myth or Reality?*
- 015 Poster(s)** Kun Hou*, Faculty of Geographical Science, Beijing Normal University; Liqiang Zhang, Faculty of Geographical Science, Beijing Normal University; Weiwei Liu, Beijing Obstetrics and Gynecology Hospital affiliated to Capital Medical University; Yumei Chen, Beijing Obstetrics and Gynecology Hospital affiliated to Capital Medical University; Yibo Zheng, Faculty of Geographical Science, Beijing Normal University; *Correlation Between Air Pollution Exposure and Missed Abortion: Spatiotemporal Analysis*
- 016 Poster(s)** Jaimee Pyron*, University of North Carolina - Wilmington; Eman Ghoneim, PhD, University of North Carolina -Wilmington; *Assessing Seasonal Change of Egypt's PM2.5 Concentration*
- 017 Poster(s)** Ray Yeager*, University of Louisville; Daniel W Riggs, M.S., Superfund Research Center, University of Louisville; Natasha DeJarnett, PhD, American Public Health Association; David J Tollerud, PhD, Department of Environmental and Occupational Health Sciences, University of Louisville; Pawel Lorkiewicz, PhD, Superfund Research Center, University of Louisville; Xie Zhengzhi, PhD, Superfund Research Center, University of Louisville; Rachel Keith, PhD, Superfund Research Center, University of Louisville; Sanjay Srivastava, PhD, Superfund Research Center, University of Louisville; Matthew Browning, PhD, Department of Recreation, Sport and Tourism, University of Illinois Urbana-Champaign; Nagma Zafar, PhD, Department of Pediatrics, University of Louisville; Sathya Krishnasamy, MD, Department of Pediatrics, University of Louisville; Andrew Defilippis, MD, Division of Cardiovascular Medicine, University of Louisville; Shesh N Rai, PhD, Department of Bioinformatics and Biostatistics, University of Louisville; Aruni Bhatnagar, PhD, Envirome Institute, University of Louisville; *Association between exposure to volatile organic compounds and streetscape tree canopy*
- 018 Poster(s)** Chayanika Singh*, Department of Geography, Texas State University, San Marcos, Texas; *Accessibility vs Activity - a Spatial Analysis of Physical Activity related Tweets*
- 019 Poster(s)** Sarah E. Hinman*, Leiden University College The Hague; Evan de Schrijver, Leiden University College The Hague; *Air Pollution Exposure and Respiratory Disease in The Hague, Netherlands: A Geospatial Approach*
- 020 Poster(s)** Noelle LaDue*, Cornell University; Chipiliro Dzanja, Soils, Food, and Healthy Communities; Esther Lupafya, Soils, Food, and Healthy Communities;

THURSDAY, April 4 • 3:05 PM - 4:45 PM • Poster Sessions

Lizzie Shumba, Soils, Food, and Healthy Communities; Laifolo Dakishoni, Soils, Food, and Healthy Communities; Paul Dakishoni, Soils, Food, and Healthy Communities; Mercy Lupafya, Soils, Food, and Healthy Communities; Gliselia Kalilombe, Soils, Food, and Healthy Communities; Mwapi Mkandawire, Soils, Food, and Healthy Communities; Cristina Hara, Soils, Food, and Healthy Communities; Victoria Kumwenda, Soils, Food, and Healthy Communities; *A Qualitative Analysis of Seed Practices and Food Security in a Participatory Agroecology Program in Malawi*

- 021 Poster(s)** Plaxedes T. Chitiyo*, Assistant Professor, Duquesne University; Donald Buckwalter, Professor, Indiana University of Pennsylvania; Kelsey Coates, student, Duquesne University Pittsburgh PA; Josephine Harsh, student, Duquesne University; Alanna Bachtlin, student, Duquesne University; *Classification of community gardens in Allegheny County, Pennsylvania*
- 022 Poster(s)** Serena Hertel*, Pitzer College; *Poisonous Prisons: Water Injustice in California's Central Valley*
- 023 Poster(s)** Weijing Wang*, Graduate Student, Michigan State University; Zeenat Kotval-K, Michigan State University; Linda Keilman, Michigan State University; *Transit Services for the Elderly and Preventive Healthcare Attainment*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-047-3:05 p.m. Progress in Household Water

Insecurity Experiences 4: More Emergent Themes (Sponsored by Water Resources Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Wendy Jepson, Texas A&M University

CHAIR: Amber Wutich

- 3:05** Robert Patrick*, University of Saskatchewan; *Indigenizing Water Security*
- 3:25** Benjamin Pauli*, Kettering University; *The Flint Water Crisis and the Multiple Dimensions of Water Insecurity*
- 3:45** Michael Egge*, Portland State University; Idowu Ajibade, PhD, Portland State University; *'A Community of Fear': Emotion and the Hydro-Social Cycle in East Porterville*
- 4:05** Vanessa Empinotti*, Federal University of ABC; *Water Security, hydrosocial territories and São Paulo Macrometropolis*
- 4:25** Jonathan London*, dept of Human Ecology/ Community and Regional Development; Amanda Fencel, MS, UC Davis; Mia Dawson, MS, UC Davis; Peter Nguyen, UC Davis; Alfonso Aranda, UC Davis; Camille Pannu, JD, Water Justice Clinic, UC Davis; Jennifer Jarin, MS, UC Berkeley; Phoebe Seaton, JD, Leadership Counsel for Justice and Accountability; Laurel Firestone, JD, Community Water Center; *Drinking Water Access and Dynamics of Disenfranchisement*

Thursday-048-3:05 p.m. Hazards, Risks, and Disasters

4 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Brian Pompeii, Christopher Newport University

- 3:05** Emmanuelle Hines*, Graduate Student, University of Colorado, Boulder; Colleen Reid, University of Colorado, Boulder; *Hospital Vulnerability to Hurricane Harvey in Harris County, Texas*
- 3:25** Brendan Lavy*, The University of Texas Rio Grande Valley; Elyse Zavar, University of North Texas; Ronald Hagelman, III, Texas State University; *Business Recovery along the Central Texas Coast following Hurricane Harvey*
- 3:45** Jose Hernandez Ayala*, Sonoma State University; *Extreme rainfall associated with Hurricane Maria over Puerto Rico and its connections to climate variability and change*
- 4:05** Aimee Moles*, PhD, Louisiana State University; Haojie Zhu*, Louisiana State University; *Measuring Individual Community Capacity, Resilience and Recovery in Three Louisiana Coastal Parishes*
- 4:25** Wen-Ching Chuang*, US EPA; Tarsha Eason, US EPA; Ahjond Garmestani, US EPA; *Impact of Hurricane Katrina on coastal systems: Disaster resilience in New Orleans, Louisiana*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-049-3:05 p.m. Illicit Activities: Transforming Governance and Regimes of Rule in Socio-Ecological Systems (I) (Sponsored by Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Karina Benessaiah, McGill University; Jennifer Devine, Texas State University - San Marcos

CHAIR: Karina Benessaiah, McGill University

3:05 Teo Ballve*, Colgate University; *The Frontier Effect: The Configuration of Rule in 'Ungoverned Spaces'*

3:25 Jennifer Devine*, Texas State University - San Marcos; David Wrathall, Ph.D., Assistant Professor, Oregon State University; *"Narco-Degradation" in Central America's Protected Areas*

3:45 Laura Sauls*, Clark University; Laura Blume, Boston University; *Problematising illicit economies and territorial governance on the Caribbean Coasts of Honduras and Nicaragua*

4:05 Matthew Libassi*, University of California - Berkeley; *Illicit entanglements: Formal and informal gold mining in Indonesia*

4:25 Discussant(s): Karina Benessaiah, McGill University

Thursday-050-3:05 p.m. Sustainability and Resilience as Racial Formation in Urban Planning and Development I

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Anna Brand, University of California, Berkeley;

Isabelle Anguelovski, Universitat Autònoma de Barcelona -ICTA-

CHAIR: Isabelle Anguelovski, Universitat Autònoma de Barcelona -ICTA-

3:05 James Connolly*, Universitat Autònoma de Barcelona; Kaitlyn Dietz, Universitat Autònoma de Barcelona; Isabelle Anguelovski, Universitat Autònoma de Barcelona; *A New Shade of Green? Historic Racialized Land Use Policy and the Politics of Smart, Sustainable, Resilient Urbanism*

3:25 Jessica Fisch*, *Does Green Infrastructure Promote Equitable Development? The Mediating Role of Social Capital in Assessing Impacts*

3:45 Ryan Centner*, London School of Economics; *'We Love It Here': Urban Self-Regard, the Green Embrace & Unbearable Whiteness in Cascadia*

4:05 Brenna Keatinge*, University of Toronto; *Growing Land, Growing Law: Race, Urban Politics, and the Governance of Vacant Land in Boston from 1950*

Thursday-051-3:05 p.m. W2_2 How to Publish your Remote Sensing Paper (Sponsored by Careers and Professional Development, Routledge, Taylor & Francis Group)

Room: Johnson, Marriott, Mezzanine Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Thursday-052-3:05 p.m. Climate Specialty Group Plenary (Sponsored by Climate Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Christopher Underwood, University of Wisconsin-Platteville

CHAIR: Christopher Underwood, University of Wisconsin-Platteville

Thursday-053-3:05 p.m. Replication of Scientific Research: An Integrated Approach to Sharing, Accessing, Building on, and Replicating Research Involving Confidential Geospatial Data

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall West, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Douglas Richardson, American Association of Geographers

Panelist(s): Douglas Richardson, Executive Director, American Association of Geographers; Margaret Levenstein, The Inter-university Consortium for Political and Social Research; Mei-Po Kwan, Professor, University of Illinois at Urbana-Champaign; Jue Wang, University of Illinois; Coline Dony

Discussant(s): Candice Luebbering, Senior Research Geographer, American Association of Geographers; Zan Dodson, American Association of Geographers

Thursday-054-3:05 p.m. Water Pollution in Rivers

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology

CHAIR: Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology

3:05 Sya Kedzior*, Towson University; *Reframing Water Quality in the Chesapeake Bay: Environmental NGOs and the Politics of Knowledge Reproduction*

3:25 Jingyu Wang*, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology; *combined sewer overflows (CSOs) impact on water pollution in the Harlem River*

3:45 Rebecca Schewe*, Christa Kelleher, Syracuse University; Teng Zeng, Syracuse University; *Farmer Behavior, Hydrology, and Water Pollution: chemicals of emerging concern from manure and biosolids application*

4:05 Taylor Wiczerak*, Montclair State University; Pankaj Lal, PhD, Montclair State University; Pralhad Burli, PhD, Montclair State University; Bernebas Wolde, PhD, Montclair State University; *A Hedonic Analysis of Combined Sewer Overflows (CSOs) in Northern New Jersey*

4:25 Ji Juan*, *Tourism and Water in an Ancient-village: A Social-Ecological System Analysis*

Thursday-055-3:05 p.m. Advances In Urban Forestry Research: Methods And Applications (Sponsored by Biogeography Specialty Group, Urban Geography Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall South, Marriott, Mezzanine Level (Paper)

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Andrew Millward, Ryerson University

CHAIR: Andrew Millward, Ryerson University

3:05 Discussant(s): Andrew Millward, Ryerson University

3:25 Danielle Marcoux-Hunter*, Urban Forest Research and Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, PhD, Urban Forest Research and Ecological Disturbance (UFRED) Group, Ryerson University; *Multi-criteria evaluation of suitable ecological conditions for urban forest restoration in a double-crested cormorant impacted area of Toronto's Tommy Thompson Park*

3:45 Justin Miron*, Urban Forest Research and Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, PhD, Urban Forest Research and Ecological Disturbance (UFRED) Group, Ryerson University; *Modelling the representation of tree root properties within ground penetrating radar (GPR) imagery*

4:05 Courtney Carrier*, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, PhD, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Nikesh Bhagat, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University | Codetuitive; *Citytrees Schoolyard: A marriage of information communication technologies and urban forestry to satisfy environmental education curriculum requirements in the Province of Ontario, Canada*

4:25 Clara Greig*, Urban Forest Research and Ecological Disturbance (UFRED) Group, Ryerson University | Geography and Environmental Studies, Wilfrid Laurier University; Andrew A Millward, PhD, Urban Forest Research and Ecological Disturbance (UFRED) Group, Ryerson University; *Changes in urban forest canopy quality as measured using landscape pattern indices*

Thursday-056-3:05 p.m. Geography, Substance Use, and Addiction (Sponsored by Health and Medical Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jeremy Mennis, Temple University; Kathleen Stewart, University of Maryland - College Park

CHAIR: Jeremy Mennis, Temple University

3:05 Kathleen Stewart*, University of Maryland - College Park; Yanjia Cao, University of Maryland; Eric Wish, University of Maryland; Eleanor Artigiani, University of Maryland; *Designing a composite index for spatial access to substance use disorder treatment and emergency medical services in New Hampshire*

3:25 Sean G Young*, PhD, University of Arkansas for Medical Sciences; Corey J Hayes, PharmD, University of Arkansas for Medical Sciences; Jonathan Aram, MPH, University of Maryland; Mark Tait, MD, University of Arkansas for Medical Sciences; *Doctor Shopping and Doctor Hopping: Spatial Analysis of Patient Travel for Prescription Opioids*

3:45 Harvey Miller*, PhD, The Ohio State University; Ayaz Hyder, PhD, The Ohio State University; Ashley

Dundon, The Ohio State University; Gretchen Hammond, PhD, Mighty Crow Media; Jinhyung Lee, The Ohio State University; Adam Porr, The Ohio State University; Lauren T. Southerland, MD, The Ohio State University; *Opioid Recovery Deserts: Geographical mismatch between need for opioid use disorder recovery services and access to care*

4:05 Megan Davies*, Nathaniel Lewis, University of Southampton; Graham Moon, University of Southampton; *Trends in smoking prevalence over time: A comparison between LGB and heterosexual populations using multilevel growth modelling*

4:25 Jeremy Mennis*, Temple University; Gerald Stahler, PhD, Temple University; *Does Marijuana Legalization Lead to Increased Cannabis Use Disorder among Adolescents?*

Thursday-057-3:05 p.m. Geospatial Research and Public Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Qiong Zhang, Michigan State University

3:05 Grace Bolt*, Calvin College; Megumu Jansen*, Jason VanHorn, Calvin College; *Clean Water Liberia: Disseminating Public Health Data With Story Maps*

3:25 Richard Fry*, Swansea University; Amy Mizen, Swansea University; Lucy Griffiths, Swansea University; Ashley Akbari, Swansea University; *Using Geographic Information to explore the impacts of the Built Environment on Health using linked data and administrative health records in Wales, UK*

3:45 Richard J. Hoch*, Indiana University Of Pennsylvania; *Community Indicators of Population Health and Natural Resource Extraction: A Population Health Approach to Characterize the Energy Fields of Pennsylvania*

4:05 Qiong Zhang*, Michigan State University, Department of Geography, Environment, and Spatial Sciences; Joseph Hamm, Michigan State University, School of Criminal Justice; Sue Grady, Michigan State University, Department of Geography, Environment, and Spatial Sciences; *Public Awareness of Air Pollution and Infant Health in the United States*

4:25 Angela K. Werner*, Division of Environmental Health Science and Practice, National Center for Environmental Health, Centers for Disease Control and Prevention, Oak Ridge Institute for Science and Education (ORISE); D. Aaron Vinson, Guest Researcher, Division of Environmental Health Science and Practice, National Center for Environmental Health, Centers for Disease Control and Prevention; Heather Strosnider, Division of Environmental Health Science and Practice, National Center for Environmental Health, Centers for Disease Control and Prevention; *Boundary refinements for standardized sub-county geographies*

THURSDAY, April 4 • 3:05 PM - 4:45 PM**Thursday-058-3:05 p.m. Urbanization, Coastal Vulnerability, and Sustainability (IV): Coastal Water and Wetland Resources (Sponsored by Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group, Remote Sensing Specialty Group)**

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Deepak Mishra, University of Georgia; Qihao Weng, Indiana State University

CHAIR: Deepak Mishra, University of Georgia

3:05 Ty C Briggs*, Florida Atlantic University; Tiffany Roberts Briggs, Ph.D., Florida Atlantic University; *Historical Shoreline Change Analysis: A Case Study on the Town of Jupiter, Florida*

3:25 Jing Liu*, *Modeling and Mapping Coastal Wetland Sediment Surface Elevation Using Remote Sensing Data*

3:45 Jason Ward*, UCLA Geography; Marilyn Raphael, University of California, Los Angeles; *A new look at Antarctic coastal polynya variability and trends*

4:05 Joanne Halls*, UNC Wilmington; *Assessment of flood risk and simulations of wetland change in a coastal setting of high population growth*

4:25 Sara Durgan*, Florida Atlantic University; Caiyun Zhang, PhD, Florida Atlantic University; *Species-based Terrain Correction of a UAV-derived Photogrammetric Digital Elevation Model in the Coastal Everglades*

Thursday-060-3:05 p.m. Peter Gould Award Competition (Sponsored by Health and Medical Geography Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jerry Shannon, University of Georgia; Amanda Weber, Oklahoma State University

CHAIR: Jerry Shannon, University of Georgia

3:05 Arrianna Marie Planey*, University of Illinois; *Audiologist Availability and Supply in the United States: A Multi-Scale Spatial and Political Economic Analysis*

3:25 Aida Gulincozzi*, University of Illinois; *'Buscando el cuidado': Spatial mismatch of physician services in Spanish for Latinxs in suburban Chicago*

3:45 Xuan Zhang*, University of Georgia; Lan Mu, University of Georgia; Jerry Shannon, University of Georgia; *Rethinking Elderly Migration: Elderly Migration Analysis with Long-term Care Facility Data in GA, USA*

4:05 Junghwan Kim*, University of Illinois at Urbana-Champaign; Mei-Po Kwan, University of Illinois at Urbana-Champaign; *Beyond Commuting: Ignoring Individuals' Activity-Travel Patterns May Lead to Inaccurate Assessments of Their Exposure to Traffic Congestion*

4:25 Discussant(s): Jerry Shannon, Asst. Professor, University of Georgia

Thursday-061-3:05 p.m. Hydrofeminism 2

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Deborah Dixon, University of Glasgow; Henni Lantto, University of Glasgow

CHAIR: Deborah Dixon, University of Glasgow

3:05 Introduction(s): Deborah Dixon, University of Glasgow

3:25 Amy Sharrocks*, *Treasuring Evaporation: the radical work of Museum of Water*

3:45 Laura Denning*, NA; *Hydrosapien*

4:05 Henni Lantto*, University of Glasgow; *A Creative Riverscape: Finding Self in the Dynamics of an Arctic River*

4:25 Discussant(s): Martina Angela Caretta, PhD, West Virginia University

Thursday-062-3:05 p.m. Climatology 2

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Lei Meng, Western Michigan University

3:05 Meredith Gregory*, University of Mary Washington; Brian Rizzo, University of Mary Washington; *Climate Ecosystem Modeling*

3:25 Bradley Baker*, University of Memphis; Dorian Burnette, University of Memphis; *A climatology of severe thunderstorm days over the Southeastern U.S., 1925-2014*

3:45 Md Islam*, Kent State University; *The self-organizing maps technique: an objective estimation of onset of seasons on the South Asian Monsoon*

4:05 Robert Rohli*, Louisiana State University; Stephen P Caparotta, Louisiana State University; *Cool Season Severe Weather in the Gulf of Mexico and the Madden-Julian Oscillation*

4:25 Lei Meng*, Western Michigan University; *On the Relationship of Lake-Effect Snowfall and Climate Teleconnections in the Lower Peninsula of Michigan, USA*

Thursday-063-3:05 p.m. Urban Geography and Regional Planning

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: YANG DUAN

3:05 Yan He*, *A study on everyday living space planning based on the perspective of activity-travel behavior on suburban household*

3:25 Max Rousseau*, CIRAD; Aurelie Delage*, University of Perpignan; *Negotiating urban sprawl. A comparison of the governance of periurbanization in Perpignan (France) and Casablanca (Morocco)*

3:45 Charlotte Hoole*, University of Sheffield; Stephen Hincks, University of Sheffield; *What 'place' for city regions in English devolution post-Brexit? Contested geographies and spatial imaginaries in the Sheffield City Region*

4:05 Jiawen YANG, School of Urban Planning and Design, Peking University; Yang DUAN*, School of Urban Planning and Design, Peking University; Xiaohui LE, Nanshan Urban Planning & Land Resource Research Centre, Shenzhen; *Land Preparation under TOD Strategy: Case Study of Shanghai, Shenzhen and Dongguan*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-064-3:05 p.m. Energy Transitions II (Sponsored by Energy and Environment Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Michael Minn, Farmingdale State College

CHAIR: Michael Minn, Farmingdale State College

3:05 Andrew Leach*, Geography Graduate Group, University of California - Davis; *Building collective energy: the potential for district heating in California*

3:25 Louise Ödlund (former Trygg)*, Linköping University; *Cooperation for a sustainable district heating region*

3:45 Daniel Avendaño Leadem*, Universidad Nacional - Costa Rica; *Path dependence within Costa Rica's energy transition*

4:05 Anthony Bevacqua*, Montclair State University; *The Spatial Economics of Clean Energy In New Jersey*

4:25 Jakob Engel*, University of Oxford; Theodor Cojoianu, University College Dublin; Andreas Hoepner, Prof., University College Dublin; Dariusz Wójcik, Prof., University of Oxford; *Green vs. Brown Earth Inc.- Investor networks across equity, bonds and syndicated loans to renewable and oil and gas companies*

Speakman, PhD, Center for Applied Isotopes Studies, University of Georgia, USA; Bahadur Kotlia, PhD, Dept. of Geology, Kumaun University, India; *Tracing Indian Summer Monsoon (ISM) variability from the Mid-Holocene to the present in Uttarakhand, India using X-ray fluorescence (XRF)*

4:25 Gregory Burris*, Florida State University; *The effect of volcanic forcing on microclimate measures of inter-annual variability*

Thursday-067-3:05 p.m. UAS Symposium II: Operations and Curriculum (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Adam Mathews, Western Michigan University; Anthony Cummings, University of Texas at Dallas

CHAIR: Matthew Ramsfott, Frostburg State University

3:05 Thomas Morelli*, Thomas D. Morelli LLC; *Unmanned Aircraft Systems Applications for Governance of the National Maritime Jurisdiction in Developing Coastal Countries*

3:25 Matthew E. Ramsfott*, Department of Geography, Frostburg State University; Phillip P. Allen, Department of Geography, Frostburg State University; *Ready for Takeoff: Lessons Learned in the Development of a Small Unmanned Aircraft Systems (sUAS) Remote Sensing Lab at Frostburg State University*

3:45 Brent Dell*, University of Texas At Dallas; May Yuan, Professor, University of Texas at Dallas; *Archaeological Feature Detection Using Multi-Spectral UAV Remotely Sensed Imagery: A Case Study of Southeastern Texas Sugar Plantations*

4:05 Anthony Cummings*, Dr., University of Texas at Dallas; *UAS and Zip Codes: Do Wealthier Areas Have More Commercial Permits?*

4:25 Nicholas Kolarik*, Narcisa Pricope, University of North Carolina Wilmington; Kyle Woodward, University of North Carolina Wilmington; Andrea Gaughan, University of Louisville; Forrest Stevens, University of Louisville; *A multi-plot assessment of vegetation structure using a micro unmanned aerial system (UAS) in a semi-arid savanna environment*

Thursday-065-3:05 p.m. Geographers as Administrators in Higher Education (Sponsored by Careers and Professional Development)

Room: Hoover, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Joshua Hagen, Northern State University

CHAIR: Joshua Hagen, Northern State University

Introduction(s): Joshua Hagen, Dean, Northern State University

Panelist(s): Thomas Mote, University of Georgia; Lesley Rigg, Dean, University of Calgary; Karen Morin, Bucknell University; Patricia Price, Baruch College; John Jones III, Professor & Dean, University of Arizona; Joshua Hagen, Dean, Northern State University

Thursday-066-3:05 p.m. New Records of Paleoenvironmental Change 4 (Sponsored by Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group, Climate Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Matthew Kerr, The University of Tennessee

CHAIR: Matthew Kerr, The University of Tennessee

3:05 Scott Mensing*, University of Nevada - Reno; Gianluca Piovesan, Tuscia University, Italy; Edward Schoolman, University of Nevada, Reno; *The long term impact of human activity on the structure of modern forests: A case from central Italy*

3:25 Theodore Dingemans*, Scott Mensing, University of Nevada, Reno; Edward Schoolman, University of Nevada, Reno; Gianluca Piovesan, Dafne - University of Tuscia; *Abrupt environmental change and Carolingian conquest: 750-850 AD in the Rieti Basin, Central Italy*

3:45 Lawrence Kiage*, Georgia State University; Benjamin Atieno Opiyo, Georgia State University; *A multi-proxy record of environmental change in Tropical East Africa since the Last Glacial Maximum*

4:05 Emily Alyssa Niederman*, Dept. of Geography, University of Georgia, USA; David Porinchu, PhD, Dept. of Geography, University of Georgia, USA; Jeff

Thursday-068-3:05 p.m. Are You Ready For the GISCI Exam? Join Us To Review Your Knowledge (Sponsored by Careers and Professional Development)

Room: Wilson A, Marriott, Mezzanine Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Ann Johnson, GeoTech Center

CHAIR:

3:05 Discussant(s): Ann Johnson, Associate Director, GeoTech Center

Thursday-069-3:05 p.m. Finding Your Career Outside Academia I: A Workshop for Graduate Students (Sponsored by Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR:

THURSDAY, April 4 • 3:05 PM - 4:45 PM**Thursday-070-3:05 p.m. Geospatial Intelligence in Business
(Sponsored by Military Geography Specialty Group, Geography Education Specialty Group, Business Geography Specialty Group, Careers and Professional Development, Esri)**

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): CAMELIA KANTOR, USGIF

CHAIR:

Introduction(s): CAMELIA KANTOR, Director of Academic Programs, USGIF**Discussant(s):** TODD BACASTOW, Penn State University; Joshua Bova, Research Analyst, University of North Texas; Steven Ward, The Climate Corp; Karisa Schroeder, Esri; Christina Hupy, Boundless**Thursday-072-3:05 p.m. Immersive II: Immersive Technologies for Natural Hazards and Climate Change Communication (Sponsored by Climate Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Mark Simpson, Pennsylvania State University; Jase Bernhardt, Hofstra University; David Retchless, Texas A&M University at Galveston

CHAIR: Mark Simpson, Pennsylvania State University

3:05 David Retchless*, Texas A&M University at Galveston; *Map and augmented reality views of storm surge flooding: Results from pilot studies evaluating effects of perspective on risk perceptions and engagement***3:25** Jase Bernhardt*, Assistant Professor, Hofstra University; *Communicating Hurricane Risk with Virtual Reality: Strategies for Improving Warnings***3:45** Mark Simpson*, Pennsylvania State University; *Immersive Storm Surge and Risk Perception***4:05** Chuanbo Hu*, Chinese University of Hong Kong; Mingyuan Hu, Institute of Space and Earth Information Science, The Chinese University of Hong Kong, Hong Kong, China; Hui Lin, Institute of Space and Earth Information Science, The Chinese University of Hong Kong, Hong Kong, China; *A human-activity-scenario-based Modeling Method for Collaborative Simulation and Evaluation in Virtual Geographic Environments***4:25 Discussant(s):** Mark Simpson, Pennsylvania State University**Thursday-073-3:05 p.m. Local Governance and New Challenges in Urban Policy in a Changing World 4: A Social-environmental Sustainability Focus**

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Eran Razin, Hebrew University; Carlos Nunes Silva, University of Lisbon

CHAIR: Carlos Nunes Silva, University of Lisbon

3:05 Pamela Wridt*, *Elevating community geography in the new urban agenda: A global evaluation of an approach to community-level assessment and planning with young people***3:25** Rong Cai*, University of Hong Kong; *Uneven Infrastructural Power of the State in Governing Homeowner Associations in Urban China: A Case Study of Guangzhou***3:45** Valentin Espert*, Wuppertal Institute; *Urban Governance of Sustainability Transformations. The Case of InnovationCity Ruhr - Model City Bottrop (Germany).***4:05** Michael D Bennett II*, University of San Diego; Suzanné Walther, University of San Diego; Andrew Tirrell, University of San Diego; *Border Diplomacy: How Water Unites Cities***4:25** Simphiwe Enoch Mini*, Professor, University of South Africa; *New Urban Governance for spatio-social Justice: Urban Governance for Sustainability in South Africa.***Thursday-074-3:05 p.m. Heritage, Branding and Place
(Sponsored by Business Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Recreation, Tourism, and Sport Specialty Group)**

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Joseph Scarpaci, Center for the Study of Cuban Culture + Economy

CHAIR: Joseph Scarpaci, Center for the Study of Cuban Culture + Economy

3:05 Joseph Scarpaci*, Center for the Study of Cuban Culture + Economy; *Iconicity among Top Brands in Four Welfare States***3:25** Christopher Willer*, Kent State University; *Place marketing in small towns: evidence from Main Street Program websites***3:45** Camilo Rey*, University of Kentucky; *Public-private partnerships, real estate market and production of heritage space***4:05 Discussant(s):** Brian Godfrey, Professor of Geography, Vassar College**4:25** Sara Keough*, Saginaw Valley State University; *Consumption vs. Conservation in Water Billboard Advertising: The Case of Niamey, Niger***Thursday-080-3:05 p.m. W2_15 Coordinated Department Response to Online Harassment**

Room: Palladian, Omni, West (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dana Cuomo, Western Kentucky University

CHAIR:

Thursday-081-3:05 p.m. Regional Studies – Annual Lecture 2019 (Sponsored by Economic Geography Specialty Group, Routledge, Taylor & Francis Group)

Room: Diplomat Room, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin

CHAIR: Dieter Kogler, University College Dublin

Introduction(s): David Bailey, Aston University**Panelist(s):** Joan Fitzgerald, Professor, Northeastern University**Discussant(s):** Harriet Bulkeley, Dr, University of Durham

THURSDAY, April 4 • 3:05 PM - 4:45 PM**Thursday-082-3:05 p.m. Towards a Global Geography of the Plantation (Sponsored by Black Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: Directors Room, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Levi Van Sant, Georgia Southern University; Sophie Moore, Nelson Institute for Environmental Studies

CHAIR: Carrie Freshour, Cornell University

Panelist(s): Monica Barra, Assistant Professor, University of South Carolina; Juliet Lu, University of California - Berkeley; Alex Moulton, PhD Candidate, Clark University**Discussant(s):** Brian Williams, Dartmouth College; Sharad Chari, University of California, Berkeley**Thursday-083-3:05 p.m. Environmental Governance, Food Security, and Livelihood**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Robert Kinlocke, University of the West Indies, Mona

3:05 Robyn Bartel*, University of New England, Australia; *Ecological collapse, regulatory failure, and bad governance: An assessment of regression and recommended responses***3:25** Molly Pickel*, Miss.; *Navigating Māori Fishing Rights under the Quota Management System***3:45** LIU TIAN*, Huazhong Agricultural University, No.1; Weiyan Hu, Professor; *Research on Spatial Spillover Effect of Multifunctional Agricultural Land Use on Housing Price in Wuhan***4:05** Maryia Bakhtsiyarava*, Minnesota Population Center; *Exploring the relationship between irrigation, household food security, and child nutrition: Evidence from agriculturally dependent households in Ethiopia***4:25** Robert Kinlocke*, Balsillie School of International Affairs; *Food and Fairness: Social justice and the plight of small scale food enterprises in Kingston, Jamaica***Thursday-084-3:05 p.m. Critical Environmental Justice (III): Intersectional Environmental Justice (Sponsored by Black Geographies Specialty Group, Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Executive Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dean Hardy, National Socio-Environmental Synthesis Center, University of Maryland; Ellen Kohl, St. Mary's College of Maryland

CHAIR: Ellen Kohl, St. Mary's College of Maryland

3:05 Erin Goodling*, University of Oregon; *Houseless Community Exposure to Environmental Hazards***3:25** Ellen Kohl*, St. Mary's College of Maryland; *"Some 'we's weren't part of we:" Inclusion and exclusion in environmental justice activism***3:45** Pavithra Vasudevan*, University of Texas - Austin; *"Flesh"ing Out Racialized Toxicity: Black Feminist Materialism***4:05** Nicole Fabricant*; Destiny Watford, United Workers Free Your Voice; *Over-Burdened Bodies and Lands: Industrial Development and Environmental Injustice in South Baltimore***4:25 Discussant(s):** Kishi Ducre, Assoc Dean and Assoc Professor of African American Studies, Syracuse University**Thursday-086-3:05 p.m. Afforestation And Forest Landscape Restoration: Governance, Land Cover, And Livelihood Impacts (Part 1) (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Senate Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Forrest Fleischman, University of Minnesota - Twin Cities; Claudia Rodriguez Solorzano, University of Minnesota; Harry Fischer, Swedish University of Agricultural Sciences

CHAIR: Vijay Ramprasad, University of Minnesota

3:05 Introduction(s): Vijay Ramprasad, University of Minnesota**3:06** Vijay Ramprasad*, University of Minnesota; Abha Joglekar, Azim Premji University; Forrest Fleischman, University of Minnesota; *Plantations and pastoralists: livelihood impacts of afforestation activities on Gaddis of the lower Himalaya***3:25** Laura Valencia*; *Planting trees, uprooting livelihoods: Compensatory afforestation and forest governance in Odisha, India***3:45** Harry W Fischer*, Swedish University of Agricultural Sciences; Syed Shoaib Ali, Ambedkar University, New Delhi; Ashwini Chhatre, Indian School of Business, Hyderabad; Forrest Fleischman, University of Minnesota; Vijay Ramprasad, University of Minnesota; Pushpendra Rana, University of Illinois at Urbana-Champaign; Claudia Rodriguez-Solorzano, University of Minnesota; *Local political agency and environment-livelihood synergies in forest and landscape interventions***4:05** Moses Kansanga*, University of Western Ontario; Isaac Luginaah, Professor, University of Western Ontario; *Agrarian livelihoods under siege: Carbon forestry, tenure constraints and the rise of capitalist forest enclosures in Ghana***4:25 Discussant(s):** Paul Robbins, Professor and Director, Nelson Institute for Environmental Studies University of Wisconsin**Thursday-087-3:05 p.m. Methods and Motivations for Measuring Spatial Inequality & Socioeconomic Mobility I**

Room: Forum Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Wei Kang, University of California - Riverside; Marynia Kolak, University of Chicago

CHAIR: Wei Kang, University of California - Riverside

3:05 David Folch*, Florida State University; Matthew Laird, Florida State University; *Measuring Multidimensional Poverty in the United States***3:25** Daniel Griffith*, U. of Texas at Dallas; Yongwan Chun, University of Texas at Dallas; Jan Hauke, Adam

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Mickiewicz University; *A Moran eigenvector spatial filtering specification of spatial entropy*

- 3:45** William Clark*, University of California - Los Angeles; Julian Randon-Furling, University of Paris 1, Pantheon; Madalina Olteanu, University of Paris 1, Pantheon; *A New Method for Analyzing Ethnic Mixing: Southern California as an Exemplar*
- 4:05** Renan Cortes*, University of California, Riverside; Serge Rey, University of California, Riverside; *Building an open-source framework for non-Spatial and Spatial Segregation measures*
- 4:25** Marynia Kolak*, University of Chicago; *Quantifying Neighborhood-Level Social Determinants of Health in the Continental United States: A Multivariate Small-Area Analysis*

Thursday-088-3:05 p.m. 'Making' Climate Subjects:

Examining Subjectivity, Identity, and Agency in Climate Change Mitigation & Adaptation (1)
(Sponsored by Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Meaghan Daly, University of New England; Helen Rosko, Clark University

CHAIR: Meaghan Daly, University of New England

- 3:05** Helen Rosko*, Clark University; *Same Agenda, Different Subjectivities: A Case of Climate Information Services in Mali*

- 3:25** Meaghan Daly*, University of New England; Mara J. Goldman, PhD, University of Colorado Boulder; *'Co-producing' Knowledge, Producing End-Users: The Production, Circulation, and Use of Climate Knowledge in Tanzania*

- 3:45** Bregje Van Veelen*, University of Durham; Alice Hague, James Hutton Institute; *Producing diverse and multi-scalar climate subjects: a relational approach for understanding faith-based climate action*

- 4:05** Anna Bridel*, London School of Economics; *Contesting cyclones and citizenship: the politics of risk expertise following Cyclone Ockhi in Kerala, India.*

- 4:25** Laura Lawler*, University of Wisconsin; *Making "Climate Smart" Farmers and Fields in Tanzania*

Thursday-089-3:05 p.m. 9. Population Specialty Group: Internal Migration (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

- 3:05** Ayan Meer*, Massachusetts Institute of Technology; *From Punjab to Pontinia: Agricultural Labor Migration and Territorial Development*

- 3:25** Leiwen Jiang*, Population Council and Shanghai University; Zhen Liu, Brown University; Martin Bell, The University of Queensland; Deborah Balk, City University of New York; Brian O'Neill, Denver University; Mark Montgomery, Population Council;

Internal Migration along Urban Transition -Searching for Relational Patterns between Rural-Urban Migration and Urbanization

- 3:45** Samaneh Khaef*, *The role of education in the initial sorting of immigrants – the case of Sweden.*

- 4:05** Enru Wang*, University of North Dakota; Wei Yu, Qufu Normal University; *Scale Farming and Settlement Intention of Rural Migrants in China*

- 4:25** Kelly Anderson*, University of Maryland - College Park; *Linking Climate Drivers and Urban Outcomes of Migration: Perspectives from Beira, Mozambique*

Thursday-090-3:05 p.m. Author-meet-critics: Debbie Lisle's "Holidays in the Danger Zone" (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Recreation, Tourism, and Sport Specialty Group)

Room: Congressional A, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jason Dittmer, University College London

CHAIR: Jason Dittmer, University College London

Panelist(s): Jacob Miller, Northumbria University; Mary Mostafanezhad, University of Hawai'i at Manoa; Daniel Bos; Annika Mattisek, Dr., University of Freiburg; Debbie Lisle, Queen's University

Thursday-091-3:05 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Smart Cities and Urban Computing IV (Sponsored by Cartography Specialty Group, Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Congressional B, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Shaowen Wang, University of Illinois at Urbana-Champaign; Bandana Kar, Oak Ridge National Laboratory

CHAIR: Zhenlong LI, University of South Carolina

- 3:05** Edward Helderop*, Anthony Grubestic, Arizona State University; *A Novel Approach to Network Criticality: Incorporating Ambient Urban Structure*

- 3:25** Xiaoyue Tan*, Jin Chen, Beijing Normal University; Qiang Li, Beijing Normal University; *Convergence and divergence pattern and influencing factors of free-floating bike share around subway stations in Beijing*

- 3:45** Hyunmin Zoh*, Seoul National University; *Exploring the spatio-temporal factors affecting public bike-sharing usage in Seoul*

- 4:05** Xiaoguang Wang*, Dr., Central Michigan University; De Tong, School of Urban Planning and Design, Peking University, Shenzhen, China; Yu Zhang, School of Urban Planning and Design, Peking University, Shenzhen, China; *Are Migrant Workers Disadvantaged in Job Accessibility? An Analysis Based on Cellular Data in Shenzhen, China*

- 4:25** Gregory Carlton*, Western Michigan University; *Promoting Bicycle Commuting by Enhancing Parking Infrastructure: A Case Study of Western Michigan University*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-092-3:05 p.m. Sustainable Transportation

Systems: The Key Environmental Issues (Sponsored by Transportation Geography Specialty Group, Energy and Environment Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Neil Debbage, University of Texas - San Antonio

CHAIR: Neil Debbage, University of Texas - San Antonio

3:05 Mischa Young*, University of Toronto; *The Who, Why, and When of Uber and other Ridesourcing Trips: An Examination of a Large Sample Household Travel Survey*

3:25 Neil Debbage*, Assistant Professor, University of Texas - San Antonio; Keith Debbage*, University of North Carolina At Greensboro; *Aviation Carbon Emissions, Route Choice and Tourist Destinations: Is Flying Non-Stop a Remedy?*

3:45 Shawna Nadybal*, University of Utah; Timothy Collins, Professor, University of Utah; Sara Grineski, Professor, University of Utah; *Social Disparities in Exposure to Air and Transportation Noise at Us Public Schools*

4:05 Sutapa Bandyopadhyay*, North Jersey Transportation Planning Authority; *Recreating the Morris Canal as a 100+ mile Greenway across New Jersey from the Delaware to the Hudson*

4:25 Marcus Mohall*, Uppsala University; *Visions of transit: Atlanta's transportation crisis and the promises of public transportation*

Thursday-093-3:05 p.m. Critical Geographies of Health Reading Seminar

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Juliane Collard, University of British Columbia; Carolyn Prouse, Queen's University; Kelsey Johnson

CHAIR:

Discussant(s): William McKeithen, University of Washington; Skye Naslund, PhD Candidate, University of Washington; Chelsea Leiper, University of Delaware; Juliane Collard, Graduate Student, University of British Columbia; Aaron Mallory, University of Minnesota - Minneapolis; Carolyn Prouse, Queen's University; Kelsey Johnson

Thursday-094-3:05 p.m. Contested Geographies Of Adaptation 1: International Perspectives (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Michael Mikulewicz, Centre for Climate Justice - Glasgow Caledonian University

CHAIR: Pasang Sherpa

3:05 Eduard Ariza*, Universitat Autònoma de Barcelona; Antònia Casellas*, Universitat Autònoma de Barcelona; *Who cares about our metropolitan agricultural park?: The apathy of climate change adaptation in the Barcelona region*

3:25 Foley Pfalzgraf*, University of Hawaii; *Reconstructing Resilience: Analyzing the Social Construction of Resilience after Tropical Cyclone Pam in Vanuatu*

3:45 Maud BORIE*, King's College London; *Geographies of risk governance in the Caribbean: Insights from the binational island of St Martin*

4:05 Pasang Sherpa*, *Mount Everest Region: Contested Geographies of Adaptation to Climate Change*

4:25 DEBRA M BUTLER*, School for the Environment-University of Massachusetts Boston; *Places of wind and water: Community resilience/resistance on the Gulf Coast*

Thursday-095-3:05 p.m. Author Meets Critics on Caleb Johnson and Geraldine Pratt's "Migration in Performance: Crossing the Colonial Present"

Room: Blue Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jessica Dempsey, University of British Columbia; Christopher Harker, University College London

CHAIR: Jessica Dempsey, University of British Columbia

Panelist(s): Lieba Faier, UCLA; John Paul Catungal, Instructor (TT), University of British Columbia; Rachel Pain, Newcastle University; Sarah De Leeuw, University of Northern British Columbia; Alison Mountz, Professor, Wilfrid Laurier University

Discussant(s): Geraldine Pratt, University Of British Columbia; Caleb Johnston

Thursday-097-3:05 p.m. GeoAI and Deep Learning Symposium: Spatial-Temporal Modeling and Data Mining I (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Capital Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Yi Qiang, University of Hawaii - Manoa; Yihong Yuan; Ying Song, University of Minnesota - Minneapolis, MN

CHAIR: Yi Qiang, University of Hawaii - Manoa

3:05 Jeon-Young Kang*, CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign; Jared Aldstadt, SUNY-Buffalo; *Using Multiple Scale Space-Time Patterns in Sensitivity Analysis for Spatially Explicit Agent-Based Models*

3:25 Fei Wang*, Dr.; Nina Lam, Louisiana State University; *The Spatio-Temporal Processes of Land Cover Land Use Change and the Process-Based Prediction of Urban Growth in the Texas Triangle*

3:45 Yang Zhang*, University College London; Yibin Ren, SpaceTimeLab, University College London; Tao Cheng, SpaceTimeLab, University College London; *A Spatial-Temporal Deep Learning Framework for Network-based Traffic Flow Prediction*

4:05 Jesus Martinez-Manso*, Planet Labs; *Spatio-temporal deep learning with daily medium-res satellite imagery*

4:25 Alexander Hohl*, Utica College; Eric Delmelle, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte; Xun Shi, Dartmouth College; *Detecting Space-Time Patterns Under Non-Stationary Background Population*

THURSDAY, April 4 • 3:05 PM - 4:45 PM

Thursday-098-3:05 p.m. Young Korean Geographers

Forum I

Room: Embassy Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Injeong Jo, Texas State University

CHAIR: Injeong Jo, Texas State University

Introduction(s): Injeong Jo, Associate Professor, Texas State University

Panelist(s): Ilyun Koh, Boston University; Inhye Kong; Sohyung Lim, University of Wisconsin - Milwaukee; Jinwoo Park, Texas A&M University; Seungwon Kim, University of Iowa

Discussant(s): Hyowon Ban, Associate Professor, California State University, Long Beach

Thursday-099-3:05 p.m. 100 Years After World War I: The Legacy As Seen In American Geography (Sponsored by History of Geography Specialty Group, Political Geography Specialty Group, Historical Geography Specialty Group, American Geographical Society)

Room: Hampton Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Wesley Reisser, George Washington University

CHAIR: Wesley Reisser, George Washington University

3:05 Wesley Reisser*, George Washington University; *100 Years After Paris - The Legacy of the American Inquiry and AGS*

3:25 Alexander Murphy*, University of Oregon; *Nationalism, the Nation-State Ideal, and the Making of the Post-World War I Political Map*

3:45 George White*, South Dakota State University; *The Paris Peace Conference a Hundred Years Later: An American's Perspective Given to a Hungarian Community in Transylvania*

4:05 Sara Hughes*, Dr., University of Southern California; *The Conceptual and Geopolitical Legacy of WWI's "New World Order"*

4:25 Discussant(s): Mona Domosh, Dartmouth College

Thursday-100-3:05 p.m. Archives and Geography:

Knowledge, Politics, Ethics Part II

Room: Calvert Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Laura Crawford, Loughborough University; Irene Hardill, Northumbria University, UK

CHAIR: Janice Monk, University of Arizona

3:05 Introduction(s): Janice Monk, Research Professor, Geography & Development, Research Social Scientist Emerita, University of Arizona

3:10 Declan Cullen*, *"Two Eyed Seeing": against, along, and beyond the archival grain*

3:30 Nuria Benach*, Universitat de Barcelona; *"Fighting for our dignity": A people's historical archive at the urban edges of Barcelona*

3:50 Ileana Diaz*, University of Waterloo; *Geographies of the plantation in Puerto Rico: tracing the politics of Afro-Latinx participation in food production and activism*

4:10 Arianna Martinez*, *Queer Activist Formations, Histories & Geographies in Jackson Heights Queens*

4:30 Discussant(s): Irene Hardill, Northumbria University, UK

Thursday-101-3:05 p.m. Considering Positionality in Social Justice Research and Teaching in Pursuit of More Just Outcomes (Sponsored by Qualitative Research Specialty Group, Harassment-Free AAG Initiative)

Room: Governor's Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Colleen Hammelman, University of North Carolina - Charlotte; Daniel Block, Chicago State University

CHAIR: Colleen Hammelman, University of North Carolina - Charlotte

Panelist(s): Daniel Block, Professor, Chicago State University; Jin-Kyu Jung, Associate Professor, University of Washington-Bothell; Amber Bosse, Ph.D. Candidate, University of Kentucky

Introduction(s): Colleen Hammelman, University of North Carolina - Charlotte

Discussant(s): Kristin Reynolds

Thursday-102-3:05 p.m. Towards a Geographical Political Economy of Tourism: Critical, Relational, and Evolutionary Approaches to Place-based Development (I) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Patrick Brouder, Brock University; Jarkko Saarinen, University of Oulu

CHAIR: Salvador Anton Clave, Rovira i Virgili University

3:05 Introduction(s): Patrick Brouder, Brock University

3:15 Outi Kulusjärvi*, University of Oulu; *Poststructural political economy approach to sustainability transformations in tourism destinations*

3:35 Jasper Heslinga*, European Tourism Futures Institute (ETFI); *Towards resilient regions: 8 policy recommendations for synergies between tourism development and nature protection*

3:55 Manuela Gutberlet*, German University of Technology in Oman; *'Orientalizing the Orient' - Mega-Cruise Tourism and Geopolitical Imaginaries*

4:15 Adam Keul*, PhD, Plymouth State University; Brian Eisenhauer, PhD, Plymouth State University; *Cannabis and tourism: regulation and the production of legal spaces*

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Thursday-010-5:00 p.m. P. P. Karan (1930-2018) and Geography: Six Decades of Contributions to Environment, Development and Culture (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Rajiv Thakur, Missouri State University; Sya Kedzior, Towson University

CHAIR: Stanley Brunn, University of Kentucky

Panelist(s): Unryu Suganuma, Professor, J. F. Oberlin University; John Metz, Northern Kentucky University; Tomoko Yamazaki, Professor Emeritus, Iwate University; M. Satish Kumar, Associate Professor, Queens University Belfast; Kenji Yamazaki, Dr., Iwate University

Discussant(s): Ramesh Dhussa, Associate Professor, Drake University

Thursday-012-5:00 p.m. Psycho-geography and the Maternal (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Heidi Nast, DePaul University; Anna Secor, University of Kentucky

CHAIR: Paul Kingsbury, Simon Fraser University

5:00 Anna Secor*, University of Kentucky; *Immediate Maternal*

5:20 Virginia Blum*, University of Kentucky; *"You're a part of me and I'm a part of you": Rogue Motherhood in Splice*

5:40 Heidi Nast*, DePaul University; *The maternal gestalt and sexual difference*

6:00 Carmen Antreasian*, New York University; Heidi Nast, Depaul University; *Questions for the maternal/unconscious*

6:20 Discussant(s): Hilda Fernandez Alvarez, SFU Department of Geography

Thursday-016-5:00 p.m. Experiential Learning in Geography Education II (Sponsored by Geography Education Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

5:00 Jerry Mitchell*, University of South Carolina; *Faculty as Student: International Perspectives on Higher Education*

5:15 Aaron Williams*, University of Calgary; Darren Sjogren, University of Calgary; Andrea Freeman, University of Calgary; *Developing Experiential Learning Techniques That Embrace Technology in Effective and Meaningful way for Undergraduate Field Study Programs*

5:30 Darren Sjogren*, PhD, University of Calgary; Andrea Freeman, PhD, University of Calgary; Aaron Williams, PhD, University of Calgary; *Promoting spatio-temporal awareness in an international field setting*

5:45 Laura Siebeneck*, University of North Texas; *Studying Hazards Abroad: Perspectives from a Collaborative Interdisciplinary Teaching Approach*

6:00 Dean Kyne*, The University of Texas Rio Grande Valley; *Developing an experiential learning for both students and instructor in disaster and emergency management discipline*

6:15 Erika Trigos Rubio*, University of Denver; *Teaching Geography in the Field: The Inca Trail experience*

Thursday-017-5:00 p.m. Geographies of Education IV: Geography Education around the World (Sponsored by Critical Geographies of Education Specialty Group, Cultural Geography Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Lisa Millsaps, University of Northern Iowa

5:00 Rafael Miguel González*, *Key competences for geography education and curriculum improvement*

5:20 Mojca Ilc Klun*, *Let's educate youth about migration processes through innovative teaching tools from Slovenia*

5:40 Aikaterini I. Klonari*, University of the Aegean; Ioanna Siama, University of the Aegean; Theano S. Terkenli, University of the Aegean; *Implementing a landscape educational project among Greek pupils: valuable lessons and hard realizations*

6:00 MUSTAFA YILMAZ*, Bülent Ecevit University; Ali Balci, Marmara University; *Geographical Information Systems Education in Turkish Geography Departments*

6:20 Discussant(s): Hélène DUCROS

Thursday-018-5:00 p.m. Studies in Nepali History and Society (Sponsored by Asian Geography Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Galen Murton, James Madison University

CHAIR: Katharine Rankin, University of Toronto

Introduction(s): Katharine Rankin, Professor, University of Toronto; Galen Murton, Assistant Professor, James Madison University

Panelist(s): Dinesh Paudel, Assistant Professor, Appalachian State University; Elsie Lewison, Ms, University of Toronto; Nadine Plachta, South Asia Institute; Janardan Mainali, Mr., Portland State University

Thursday-019-5:00 p.m. Asia's Urban Challenges and Policy Mobility (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Diganta Das, Nanyang Technological University

5:00 Yuran Huang*, Peking University; *Connotation and Implementation Countermeasure of Land Intensive Use in China's Economic Core Areas Under the "New Normal"*

5:20 Diganta Das*, Assistant Professor, Nanyang Technological University; *The Making of Singapore in Amaravati: Policy mobility, praxis, and challenges of planning a smart capital*

THURSDAY, April 4 • 5:00 PM - 6:40 PM

5:40 Aulia Paramita*, Bandung Institute of Technology; Haryo Winarso, Bandung Institute of Technology; Delik Hudalah, Bandung Institute of Technology; Ibnu Syabri, Bandung Institute of Technology; *A Framework for Understanding How Power Relation Works in Megaproject Planning*

6:00 Jun Zhang*, University of Toronto; Xiaofan Luan*, Wuhan University; *Corporatist New Urbanization or Statist Neo-liberalization: The Case of China's Leading Industrial City Builder—China Fortune Land Development Corporation (CFLD)*

6:20 Esmat Zaidan*, Qatar University; *Developing Urban Policies for Improving Mobility in FIFA World Cup 2022 City: Analysis of Mode Choice Impacts from the Introduction of Doha Metro*

CHAIR: Jeffrey Parker, University of Chicago

5:00 Brenden Beck*, University of Florida; *Demographics Lead Development: Sequencing the Consumption and the Production of Gentrification in 2010s New York City*

5:16 Jesse Card*, MA, Northeastern University; Tracy Perkins, PhD, Howard University; *When Past is Present: Historically Layered Experiences of Redevelopment in Southwest Washington DC*

5:32 Kimberly Furtado*, *Spatial Patterns and Personal Perceptions of Gentrification in Burlington, VT*

5:48 Jeffrey Parker*, University of Chicago; *Reconsidering Neo-Bohemia: Persistence, Politics, and Moving Past an Ecological Model of Neighborhood Reputation*

6:04 Tony Stovall*, PhD, Towson University; Jacob Miller, PhD, Northumbria University; *All dressed up with nowhere to shop*

6:20 **Discussant(s)**: Ryan Centner, Assistant Professor, London School of Economics

Thursday-020-5:00 p.m. Development and Inequality

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Kris Bezdecy, California State University - Los Angeles

5:00 Karina Acosta*, Cornell University; *An analysis of the Colombian Spatial inequality of development (2007-2017)*

5:20 Nan Ding*, University at Buffalo; *An analysis of commuting distance and job accessibility for residents in a US legacy city*

5:40 Denis Guth*, Goethe University Frankfurt; *'Integrated' inner-city shopping centers and calculative legibilities of urban space - A governmentality approach*

6:00 Spencer Nelson*, McGill University; *Heteronormativity and Single Room Occupancy (SRO) Housing: The Case of Vancouver's Downtown Eastside*

6:20 Kris Bezdecy*, Assistant Professor, California State University - Los Angeles; *Celebration at 25: Uneven geographical development in themed urban utopias*

Thursday-021-5:00 p.m. CJRS 5. Transportation System

Use III

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): John Miron, University of Toronto

CHAIR: Pengyu Zhu

5:00 Johnathan Glaze*, Pennsylvania State University; *Modeling Roman Trade with GIS: A Study of 1st Century Terra Sigillata Transportation Routes in Southern Gaul*

5:20 Shaohua Wang*, ASU; Xiayi Zhang, ASU; Wenwen Li, ASU; Qingren Jia, ASU; *A Data-driven Framework for Bike-sharing Data Analytics*

5:40 Jia-Jhen Wu*, National Taiwan University; Jen-Jia Lin, National Taiwan University; *Public Bike System and Gentrification: Who Affects Whom?*

6:00 Pengyu Zhu*; *The relation between built environment and taxi origination during morning peak hours: implications for future car-sharing for commuting*

Thursday-022-5:00 p.m. Alternative Geographies of Gentrification 2 (Sponsored by Urban Geography Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Gordon Douglas, San José State University - San Jose, CA; Jeffrey Parker, University of Chicago

Thursday-023-5:00 p.m. Financial Geography: State of the Art and Future Research Directions (Part 3) (Sponsored by Economic Geography Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Janelle Knox-Hayes, MIT; Dariusz Wojcik, School of Geography and the Environment, Oxford University

CHAIR: Dariusz Wojcik, School of Geography and the Environment, Oxford University

5:00 Saskia Sassen*, Columbia University; *The Rise of Extractive Logics: The Case of High Finance*

5:20 Gabriella Carolini*, Massachusetts Institute of Technology; *Infrastructure: implications for local governance of the rise of an asset class for urban development*

5:40 Gary Dymski*, University of Leeds; *Financial Imbalances and Crises: Excavating the Spatial Dimensions of Asymmetric Power*

6:00 Janelle Knox-Hayes*, MIT; *Environmental Sustainability and Finance*

6:20 **Discussant(s)**: Dariusz Wojcik, Professor, School of Geography and the Environment, Oxford University

Thursday-024-5:00 p.m. Innovation and Knowledge Industries

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Jonathan Kozar, Marshall University

5:00 Wioletta Kilar*, Pedagogical University of Cracow; *Prerequisites for location and differentiation of innovative industries in Poland*

5:20 Yujie Chen*, hongyan zhao, donghua university; mingchuan yu, shanghai normal university; jianlei zhang, donghua university; *Innovation Efficiency and Its Influencing Factors on China's Creative Industry - The Two-Stage DEA Model*

5:40 ZHI BIN LI*, Peking University; *The evolution of technological complexity of China's urban export products*

6:00 MEIQI JIAO*, Institute of Global Innovation & Development, East China Normal University; DEBIN DU, Institute of Global Innovation & Development, East China Normal University; QINCHANG GUI, Institute of Global Innovation & Development, East

THURSDAY, April 4 • 5:00 PM - 6:40 PM

China Normal University; WENLONG YANG, Institute of Global Innovation & Development, East China Normal University; *The Topology Structure and Spatial Pattern of Global City Technical Cooperation Network—Based on the 2015 PCT Data*

6:20 Jonathan Kozar*, Marshall University; *Metropolitan Geography of the Computer Service Industry*

Thursday-025-5:00 p.m. Identification of Pathways towards Sustainable Development Goals 2: the Role of Global Climate Actions, Belt and Road Initiative and Ecological Progress

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Ying Wang

CHAIR: Zhanqi Wang

5:00 Xiaowei Yao*, China University of Geosciences; *Spatial Functional Zoning of Territorial Development: a perspective of Production, Living, Ecological Goals: a Case Study of Hubei Province*

5:18 Hongwei Zhang*; *The difference of urban built-up land expansion in Zhengzhou and Changsha, China: An approach based on different geographical features*

5:35 Jian Luo*; *Temporary land ecological compensation calculation*

5:52 Jiao Yu*, China University of Geosciences (Wuhan); *"Rural-Complex": A Development Mode of the Countryside in Mengnuo Town, China*

6:08 Ying Wang*; *Study on Ecological Conservation and Restoration of Life Community of Mountains, Rivers, Forests, Farmland and Lakes in Hubei Province*

6:24 Jiehao Zhang*; *spatial-temporal pattern of environmental equality at the middle reach of the Yangtze River: a perspective of ecosystem service supply and consumption*

Thursday-026-5:00 p.m. Asylum in the City - The Impact of Local Policies and Civil Society Actors in the Support of Asylum Seekers in US Cities

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Rene Kreichauf, Freie Universität Berlin

CHAIR: Rene Kreichauf, Freie Universität Berlin

5:00 Emily Frazier*, University of Tennessee; *Divergent Narratives of Home, Belonging, and Integration in the U.S. Refugee Resettlement System*

5:20 Karina Moreno*; *Sanctuary in a Trump World: Determinants of local governments' administrative discretion in showing empathy towards immigrants and asylum seekers*

5:40 Miao-ling Hasenkamp*; *Renegotiating the city: Surveillance and refugee integration in German urban communities*

6:00 Birgit Glorius*, Dr., TU Chemnitz; *Contesting Schengen – Border Zones and Cross-Border Cooperation during and after the European "migration crisis"*

6:20 Discussant(s): Hala El Moussawi, Vrije Universiteit Brussel

Thursday-027-5:00 p.m. AAG Cyberinfrastructure Specialty Group 2019 Robert Raskin Student Competition (Sponsored by Cyberinfrastructure Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jing Li, University of Denver; Zhenlong LI, University of South Carolina

CHAIR: Jing Li, University of Denver

5:00 Xiao Huang*, University of South Carolina; Zhenlong Li, University of South Carolina; Cuizhen Wang, University of South Carolina; *Identifying disaster related social media for rapid response: a visual-textual fused approach*

5:20 Xuanton Wang*; *Optimizing machine learning methods for trajectory data pattern extraction and traffic predictions*

5:40 Wang Jian long, Wuhan University; Li Yi cong, Wuhan University; Duan Xiao qi, Wuhan University; Cui Chen rong, Wuhan University; Zhang Tong*, Wuhan University; *Data-driven visual analytics of human mobility patterns using massive smart card data*

6:00 Fangzheng Lu*, University Of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; *Vector-Based Drainage Network Analysis Based on Fine-Resolution Digital Elevation Models*

6:20 Yuhao Kang*, University of Wisconsin Madison; Song Gao, University of Wisconsin Madison; *Human Emotions at Different Places: A Ranking of Happiest Tourist Attractions around the World Based on Facial Expressions and Spatial Clustering Analysis*

Thursday-028-5:00 p.m. Working With Stories (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jennifer Kitson, Rowan University; Mahbub Meenar, Rowan University; Megan Bucknum, Rowan University

CHAIR: Jennifer Kitson, Rowan University

5:00 Jennifer Kitson*, Rowan University; Mahbub Meenar, Rowan University; *Watershed Storytelling: Experiential Tools for Connecting People, Place and Water*

5:20 Eric Magrane*, New Mexico State University; *Storying Climate Change*

5:40 Hilary Malson*, University of California - Los Angeles; *Oral History as Evidence: Planning Histories and the Documentation of Erasure*

6:00 Elizabeth Chung*, Christopher Newport University; John Finn*, Christopher Newport University; Jakira Silas, Christopher Newport University; *Living Apart: Geography of Segregation in the 21st Century Segregation*

6:20 Stacy Warren*, Eastern Washington University; *GIS as Spectacle: The Corporate Rise of the Storytelling Narrative*

Thursday-031-5:00 p.m. Increasing the Participation and Validation of Geographers at Underrepresented Institutions: Mentoring & Connecting (Sponsored by Stand-Alone Geographers Affinity Group, Community College Affinity Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): David Kaplan, Kent State University; M. DeVivo; Paulette Blanchard, University of Kansas

CHAIR: Paulette Blanchard, University of Kansas

Introduction(s): M. DeVivo

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Panelist(s): Jay Johnson, Associate Professor, University of Kansas; Dawn Drake, Associate Professor, Missouri Western State University; Jacqueline Housel, Associate Professor, Sinclair College; Innisfree Mckinnon, University of Wisconsin-Stout; Marissa Wald, Dr., Central New Mexico Community College

Discussant(s): Paulette Blanchard, Graduate Student, University of Kansas; Erin Fouberg, Professor of Geography, Northern State University

Thursday-032-5:00 p.m. Indigenous Mapping: A:shiwi Map Art Project (Sponsored by Indigenous Peoples Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jolene Keen, American Association of Geographers

CHAIR: Renee Louis, Institute of Policy and Social Research

Thursday-033-5:00 p.m. Monuments, Memorials, and the Politics of Place IV (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group, Historical Geography Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria; Ian Baird, The University of Wisconsin - Madison

CHAIR: Ian Baird, The University of Wisconsin - Madison

5:00 Sam Bowden*, Rutgers University; *Engendered in Stone: The Role of Race and Gender in the Erection and Removal of Confederate Iconography in Tampa, Florida*

5:20 Rebecca Sheehan*, Oklahoma State University; Jennifer Speights-Binet, Ph.D., Samford University; *Dialogic Memorial Public Spaces: Linn Park & Kelly Ingram Park in Birmingham, Alabama and (Missed) Opportunities to Promote Racial Justice*

5:40 Bradley Hinger*, Pennsylvania State University; *Meaning falls apart: anagrammatical Blackness and memorialization at the museum*

6:00 Linnea Ryan*, Amy Potter*, Georgia Southern University; Meimei Lin, Georgia Southern University; *Sojourn in Savannah: Examining the City's Historical Markers Through A Content and Spatial Analysis*

6:20 Noah Tamarkin*, The Ohio State University; *Placing Indigeneity: South Africa's 2007 Mapungubwe Reburial*

Thursday-033.5-5:00 p.m. Human Geography I

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Andres Guhl, Universidad De Los Andes

5:00 Monica Mattox*, Jadwiga Ziolkowska, University of Oklahoma; *Redefining OK-FIRE Mesonet Platform as an Impact-Based Decision-Support Service and Assessing its Economic Valuation*

5:05 Christine Witt*, West Virginia University; *Richwood, West Virginia after the 2016 flood: Community, Hope, and Identity*

5:10 Jada Lindblom*, Arizona State University; Christine Vogt, Ph.D., Arizona State University; Josephine Godwyll, Arizona State University; Woojin Lee, Ph.D., Arizona State University; *Second Homebodies: Investigating Patterns of Movement and Migration within Homeowner Winter Visitors in Yuma, Arizona*

5:15 Jonathan Richard Peters*, Ph.D., The City University of New York; Caroline Nicole Peters, Rutgers University; Cameron Elliot Gordon, Ph.D., University of Canberra; *Undocumented History – Revolutionary Supply Routes in Southern New Jersey*

5:20 Andres Guhl*, Universidad De Los Andes; *Following the steps of the past: the Camino Real from Honda to Santafé de Bogotá (Colombia)*

5:25 Hanover Vale*, Dartmouth College; *Ifuago 'Heirloom Rice': Commoditization and Haute Cuisine*

5:30 Li Ma*, INSTITUTE OF GEOGRAPHIC SCIENCES AND NATURAL RESOURCES RESEARCH; *Research on the typical model and path of rural vitalization in poverty counties in Hainan province*

5:35 Sweta Tiwari*, Mississippi State University; Shrinidhi Ambinakudige, Mississippi State University; *Environment-Human Migration Nexus: An Empirical Overview*

5:40 Jianchun Xu*, *Rural revitalization and land institution reform: Achievement, conflict and potential risk*

5:45 Scott Brown*, Professor, Francis Marion University; *A Comparative Study of Traditional Stilt Houses in Southeast Asia and Central America*

5:50 Merry Johnson*, *Mapping Emotional Attachment in the Indian River Lagoon Using Participatory Approaches*

5:55 Robert Shepard*, Ph.D., University of Iowa; J Clark Archer, Ph.D., University of Nebraska; *Blue Waves and Red Tides in the Heartland: A Precinct-Level Analysis of the 2016 and 2018 Elections in Iowa*

6:00 Anthony Walker*, *Scalar Strategies of Third-Wave Graduate Labor Unions*

6:05 Robert Abugel*, Hunter College - City University; Shipeng Sun, Hunter College - City University; *The geography of nested political districts in New York City*

6:10 Yang Li*, *Hot Topics in Solid Earth Science in 2018—Basing on Bibliometrics Analysis*

Thursday-034-5:00 p.m. Urban Sustainability – A Roadmap for Decision Making (Sponsored by Water Resources Specialty Group, Urban Geography Specialty Group, Climate Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): ALAMIN MOLLA, Auburn University

CHAIR: Chandana Mitra, Auburn University

5:00 ALAMIN MOLLA*, Auburn University; Chandana Mitra, Associate Professor, Auburn University; *Stormwater Management for Auburn University Campus*

5:20 Peter Crank*, Arizona State University; Joseph Ko, University of Southern California; George Ban-Weiss, University of Southern California; David J Sailor, Arizona State University; *Evaluating Targeted Heat Mitigation Strategies for Low Income Neighborhoods in Los Angeles County*

5:40 Gina Rocafort Gatarin*, Western Sydney University; *Untangling the Traffic Gridlock: Moving around Metro Manila's public transport crisis*

6:00 Stephen Diko*, University of Cincinnati; *Tracing the interconnections between climate change framings and urban climate finance in Ghana. Lessons from the Kumasi Metropolis*

6:20 Henry Way*, James Madison University; *Comprehensive Plans and Comprehensible Geographies: Developing Plans and Learning Through Planning*

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Thursday-035-5:00 p.m. Symposium on Frontiers in Geospatial Data Science: Big Data Computing for Geospatial Applications (Sponsored by Cyberinfrastructure Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Zhenlong LI, University of South Carolina; Qunying Huang, University of Wisconsin - Madison; Eric Shook, University of Minnesota

CHAIR: Wenwu Tang, University of North Carolina at Charlotte

5:00 Mbongowo Mbuh*, Ph.D., Department of Geography and Geographical Information Science, University of North Dakota; Peter Brandt, Department of Geography and Geographical Information Science, University of North Dakota; *Application of real-time GIS cloud-based context-aware information services for local government emergency preparedness in the era of big data for a resilient and smart city management*

5:20 Jian Chen*, Ph.D., University of North Alabama; Satya Katragadda, Ph.D., Informatics Research Institute, University of Louisiana at Lafayette; Shaaban Abbady, M.S., Center for Advanced Computer Studies, University of Louisiana at Lafayette; *MapReduce Based Spatial Hotspots Detection Using Polygon Propagation*

5:40 Liem Tran*, University of Tennessee at Knoxville; *Big Data and the Old Scale Issues*

6:00 Wenwu Tang*, University of North Carolina at Charlotte; Minrui Zheng, University of North Carolina at Charlotte; Zachery Slocum, University of North Carolina at Charlotte; Jianxin Yang, University of North Carolina at Charlotte; Craig Allan, University of North Carolina at Charlotte; *A Cyberinfrastructure Approach for Big Data-Driven Microtopographic Analysis*

6:20 Hai Lan*, University of Maryland; *Utilizing a Spark-Based Cloud Computing Framework to Address Big Remote-Sensing Data Processing: Multi-scale Large Landsat 8 Dataset and MODIS as an Example*

ORGANIZER(S): Danielle Purifoy, University of North Carolina - Chapel Hill

CHAIR: Danielle Purifoy, University of North Carolina - Chapel Hill

Panelist(s): Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA; Treva Ellison, Dartmouth College (Assistant Professor); Brandi Summers, Assistant Professor, African American Studies, Virginia Commonwealth University; Danielle Purifoy, Postdoctoral Fellow, University of North Carolina - Chapel Hill

Thursday-038-5:00 p.m. Journal of Latin American Geography Annual Lecture (Sponsored by Latin America Specialty Group, Latinx Geographies Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Christopher Gaffney, New York University

CHAIR: Christopher Gaffney, New York University

Discussant(s): Christopher Gaffney, Clinical Associate Professor, New York University; Simon Romero

Thursday-039-5:00 p.m. Fleming Lecture (Sponsored by Transportation Geography Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Irene Casas, Louisiana Tech University

CHAIR: Irene Casas, Louisiana Tech University

5:00 Tim Schwanen*, University of Oxford; *Geographies of transport in the new climatic regime*

5:50 Discussant(s): Julie Cidell, University of Illinois

Thursday-041-5:00 p.m. Climate Specialty Group John Russell Mather Paper of the Year Presentation (Sponsored by Climate Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 5:45 p.m.

ORGANIZER(S): Todd Moore, Towson University

CHAIR: Todd Moore, Towson University

Thursday-036-5:00 p.m. Honoring the Life and Career of Dr. Lawrence Estaville (Sponsored by Ethnic Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Edris Montalvo, Cameron University

CHAIR: Edris Montalvo, Cameron University

Discussant(s): Richard Nostrand, Professor, University of Oklahoma; Yongmei Lu, Professor, Texas State University

Panelist(s): John Frazier, Professor, Binghamton University; Dawna Cerney, Associate Professor, Youngstown State University; Fenda Akiwumi, Associate Professor, University of South Florida; Kanika Verma, Texas Christian University; Edris Montalvo, Dr., Cameron University

Thursday-037-5:00 p.m. Black Geographies Plenary: Chocolate Cities: The Black Map of American Life (Sponsored by Black Geographies Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

Thursday-047-5:00 p.m. Progress in Household Water Insecurity Experiences 5: Quantitative Approaches (Sponsored by Water Resources Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Wendy Jepson, Texas A&M University

CHAIR: Wendy Jepson, Texas A&M University

5:00 Shiloh Deitz*, University of Oregon; *Measuring Geographic Variability in Household Level Inequality*

5:20 Elizabeth Mack*, Michigan State University; Sarah Wrase, Michigan State University; *A Geographic Assessment of Water and Sewer Service Affordability in the Detroit Metropolitan Area*

5:40 Christopher M Bacon*, Department of Environmental Studies and Science, Santa Clara University; William A Sundstrom*, Department of Economics, Santa Clara University; Iris T Stewart, Department of Environmental Studies and Sciences, Santa Clara University; Edwin P Maurer, Civil, Environmental, and Sustainable Engineering, Santa Clara University; *Assessing Smallholder Food and Water Access in the Context of Cumulative Hazards and Stressors: An Integrated Approach*

THURSDAY, April 4 • 5:00 PM - 6:40 PM

6:00 Claudio Owusu*, (MA), Department of Geography and Earth Sciences and Center for Applied Geographic Information Science, University of North Carolina, Charlotte NC 28223; Samantha Dye, (MSEH, REHS), Gaston County Department of Health & Human Services, Gastonia, NC 28052; Wenwu Tang, (PhD), Department of Geography and Earth Sciences and Center for Applied Geographic Information Science, University of North Carolina, Charlotte NC 28223; Eric Delmelle, (PhD), Department of Geography and Earth Sciences and Center for Applied Geographic Information Science, University of North Carolina, Charlotte NC 28223; *Using multiple-variable indicator kriging for evaluating water quality from private household wells in Gaston County, NC*

6:20 Ana Britto*, Federal University of Rio de Janeiro; Suyá QuintsIr, assistant professor, Federal University of Rio de Janeiro; Cleonice Puggian, assistant professor, State University of Rio de Janeiro; Bianca Silva, researcher, Escola Nacional de Saúde Pública Sergio Arouca; *Water Insecurity in Rio de Janeiro Metropolitan Area: analyzing the case of Campos Eliseos in Duque de Caxias municipality*

5:00 Isabelle Anguelovski*, Universitat Autònoma de Barcelona -ICTA-; *The social and racial ramifications of green gentrification in the US, Canada, and Europe*

5:20 Justin Steil*, Massachusetts Institute of Technology; *Equity and Disaster Recovery*

5:40 Miriam Solis*, UT Austin; *Racialized Suitability: Green Infrastructure Site Selection*

6:00 Traci Birch*, Louisiana State University; Anna Livia Brand, University of California Berkeley; *Deep-seeded and Uprooted: Colorblind Resiliency Planning as Gentrification*

Thursday-051-5:00 p.m. Critical New Media and the Urban: Productive Tensions, or Conflicted Antagonisms? (Sponsored by Digital Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Ryan Burns, University of Calgary; Eliot Tretter, University of Calgary

CHAIR: Ryan Burns, University of Calgary

Panelist(s): James Thatcher, University of Washington Tacoma; Maral Sotooudehnia, Ms, University of Victoria; Sophia Maalsen, Dr, The University of Sydney; Ramon Ribera-Fumaz

Thursday-052-5:00 p.m. The Politics of Extraction. Environment and Planning E: Nature and Space Inaugural AAG Plenary Panel (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Leila Harris, University of British Columbia

CHAIR: Leila Harris, University of British Columbia

Panelist(s): Michelle Daigle, Assistant Professor, University of British Columbia; Diana Ojeda, Ms, Universidad Javeriana; Shiri Pasternak, Columbia University

Thursday-053-5:00 p.m. Melinda S. Meade Distinguished Scholar Lecture in Health and Medical Geography (Sponsored by Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall West, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Kirsten Beyer, Medical College of Wisconsin; Chetan Tiwari, University of North Texas

CHAIR: Kirsten Beyer, Medical College of Wisconsin

Panelist(s): Robin Kearns, Professor, The University of Auckland

Thursday-054-5:00 p.m. Connecting Geographical Sciences to Policy: An open meeting of the Geographical Sciences Committee of the U.S. National Academy of Sciences (Sponsored by Esri)

Room: Marshall North, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Carol Harden, University of Tennessee

CHAIR: Carol Harden, University of Tennessee

Thursday-049-5:00 p.m. Illicit Activities: Transforming Governance and Regimes of Rule in Socio-Ecological Systems (II) (Sponsored by Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Karina Benessaiah, McGill University; Jennifer Devine, Texas State University - San Marcos

CHAIR: Jennifer Devine, Texas State University - San Marcos

5:00 Introduction(s): Jennifer Devine, Ph.D., Texas State University - San Marcos

5:10 David Wrathall*, Oregon State University; *On narco-trafficking resource politics and conservation governance in Central America*

5:30 John Ponstingel*, Texas State University; Jennifer Devine, Assistant Professor, Texas State University; David Wrathall, Assistant Professor, Oregon State University; Karina Benessaiah, Post-Doctoral Fellow, McGill University; *Drug trafficking's impacts on conservation governance in Central America's protected areas*

5:50 Nate Currut*, Associate Professor, Texas State University; Jennifer Devine, Texas State University; Yunuen Reygadas, Texas State University; Gabrielle Allen, Texas State University; *Segmentation and machine learning with hyper-spatial imagery: deforestation of the Maya Biosphere Reserve*

6:10 Discussant(s): Teo Ballve, Colgate University

Thursday-050-5:00 p.m. Sustainability and Resilience as Racial Formation in Urban Planning and Development II

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Anna Brand, University of California, Berkeley; Isabelle Anguelovski, Universitat Autònoma de Barcelona -ICTA-

CHAIR: Anna Brand, University of California, Berkeley

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Panelist(s): Glen MacDonald, Distinguished Professor, University of California - Los Angeles; Anthony Bebbington, Higgins Professor and Director Graduate School of Geography, Clark University; Marilyn Brown; Budhendra Bhaduri, Corporate Research Fellow and Group Leader, Oak Ridge National Laboratory; Michael Jerrett, University of California; Andrew Turner, Neogeographer, Esri

Thursday-055-5:00 p.m. Spatial Analysis and Modeling (SAM) / Geographical Analysis Plenary, "Spatial Analysis and Modeling: Analytics and Spatial Data Science" (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Marshall South, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Rachel Franklin, Newcastle University

CHAIR:

Introduction(s): Rachel Franklin, Professor, Newcastle University

Panelist(s): Alan Murray, Professor, University of California

Thursday-056-5:00 p.m. Opioids and Substance Abuse

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Zengwang Xu, University of Wisconsin - Milwaukee

5:00 Yanjia Cao*, University of Maryland; Kathleen Stewart, University of Maryland; Eric Wish, Center for substance abuse research; Eleanor Artigiani, Center for substance abuse research; *Geospatial patterns of emergency department admissions for substance use disorder in Maryland*

5:20 Charolette Masoncup*, Frostburg State University; *Opioid Addiction in Appalachia: The Perspective of a Native Appalachian*

5:40 Nicole Callais*, *Systems Dynamics Modeling Approach of the Opioid Epidemic in Tennessee, USA*

6:00 Jue Yang*, Student, University of Georgia; Lan Mu, University of Georgia; Tim Heckman, University of Georgia; Lan Zheng, Hunan Normal University; *Geospatial Analysis of Health Status Drug Addicts in Sichuan, China*

6:20 Zengwang Xu*, University of Wisconsin - Milwaukee; *A Spatial and Temporal Analysis on Poisoning Mortality of the Opioid Epidemic in the United States Since 1980*

Thursday-057-5:00 p.m. Sociocultural Impacts of the Mining Industry

Theme: Physical Geography in Environmental Science

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Katherine Markham, Boise State University

5:00 Valeria Guarneros-Meza*, De Montfort University; *Informality in the governance of space: the mining town of Cananea, Mexico*

5:20 Tuija Mononen*, University of Eastern Finland; *Risk perception, mining industry and local people*

5:40 Blake Neumann*, SUNY-ESF; *Stripped Down: Extractive Industries, Cultural Ecosystem Services and Environmental Identity in West Virginia*

6:00 Katherine Markham*, Boise State University; *Predicting Future Artisanal and Small Scale Mining in the Peruvian Amazon*

6:20 Augustine Benni*, University of Chester; Joseph Howe, Thornton Energy Research Institute; Stephen Wilkinson, University of Chester; *Developing a Framework for Social Sustainability in the Oil and Gas Industry in the Niger Delta*

Thursday-058-5:00 p.m. Urbanization, Coastal Vulnerability, and Sustainability (V): Benefits of Remote Sensing for Coastal Studies (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Hua Liu, Old Dominion University; Qihao Weng, Indiana State University

CHAIR: Hua Liu, Old Dominion University

5:00 Hua Liu*, Old Dominion University; Yuhao Wu, Troy University; *Assessing urban quality of life for coastal Virginia by integration of remote sensing and survey data*

5:20 Peter Kimosop*, Youngstown State University; *Mapping Land Use and Land Cover of the Mill Creek Watershed in Northeast Ohio Using Sentinel-2 Imagery*

5:40 Aman Bhatta*, Kentucky State University; Buddhi Gyawali, Kentucky State University; *Effects of Land Use Change on Sediment Yield in Bell Watershed, Kentucky from 1992 to 2011*

6:00 Yao Li*, University of Delaware; *Urban hydrology model building using SWAT*

Thursday-060-5:00 p.m. Geographical computation where human geography matters IV (Sponsored by Digital Geographies Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Nick Lally, University of Kentucky; Luke Bergmann, University of British Columbia

CHAIR: Luke Bergmann, University of British Columbia

Panelist(s): Rina Ghose, Dr., Department of Geography; Albina Gibadullina, University of British Columbia; Clancy Wilmott, University of Manchester

Discussant(s): Anna Feigenbaum, Bournemouth University; James Thatcher, University of Washington Tacoma

Thursday-061-5:00 p.m. Urban Neighborhoods and Health Disparities (Sponsored by Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Louisa Holmes, University of California San Francisco

CHAIR: Louisa Holmes, University of California San Francisco

5:00 Louisa Holmes*, University of California San Francisco; *Perceived and observed neighborhood disorder and psychological distress among young adults*

THURSDAY, April 4 • 5:00 PM - 6:40 PM

5:20 Andres Hernandez*, University of Cincinnati; Ana L Hincapie, University of Cincinnati; Pamela C Heaton, University of Cincinnati; Neil J Mackinnon, University of Cincinnati; Jingjing Li, University of Cincinnati; Diego F Cuadros, University of Cincinnati; *The opioid overdose crisis in the US: A spatially clustered growing epidemic*

5:40 Timothy Stone*, Michigan Technological University; Donald Laffreniere, PhD, Michigan Technological University; *Exploring the Social Determinants of Health and Disease Outbreak Patterns in Children in Early Twentieth Century Calumet, MI*

6:00 Alan Delmerico*, Institute for Community Health Promotion; *Trajectories in Adolescent Exposure to Risky Environments*

Thursday-062-5:00 p.m. Climatology 3

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Luan Zhang

5:00 Cameron C Lee*, Ph.D., Kent State University; Scott C Sheridan, Ph.D., Kent State University; *Multi-decadal changes to the frequency of North American Weather Types*

5:20 John Harrington*, Independent Scholar; *Essential Climate Constructs*

5:40 Matthew Warren*, University of Georgia; Marshall Shepherd, Dr., University of Georgia; Marcus Williams, Dr., University of Georgia; *The Impact of Rain-Free Day Evolution on Fire Frequency and Magnitude in Southern Appalachia*

6:00 Luan Zhang*, East China Normal University; Limin Zhou, East China Normal University; *Characteristics of $\delta^{17}O$ excess in Precipitation and Its Environmental Significance in Shanghai*

6:20 Mark Schwartz*, Distinguished Professor, University Of Wisconsin-Milwaukee; *Exploring Autumn Phenological Modeling at Continental Scales*

Thursday-065-5:00 p.m. Data Science in Geography? (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Esri)

Room: Hoover, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): David DiBiase, Esri

CHAIR: David DiBiase, Esri

Introduction(s): David DiBiase, Education Sector Lead, Esri

Panelist(s): Michael Goodchild, Professor, University of California; Alex Singleton, Dr; Dieter Pfoser, George Mason University; Nicholas Tate, University of Leicester; Xinyue Ye, Associate Professor, New Jersey Institute of Technology

Discussant(s): Diana Sinton, Executive Director, UCGIS

Thursday-066-5:00 p.m. Encounters with the Illicit: Characterizing Landscapes of Ignorance (Sponsored by Rural Geography Specialty Group, Legal Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Lauren Withey, University of California - Berkeley; Karly Miller, University of California; Juliet Lu, University of California - Berkeley

CHAIR: Laura Dev, University of California Berkeley

Panelist(s): Brittany Gilmer, Dr., University of Alabama; Tracy Hruska, UC Berkeley, Dept. of Environmental Science, Policy, and Mgmt; Karly Miller, University of California; Lauren Withey, University of California - Berkeley

Discussant(s): Juliet Lu, University of California - Berkeley

Introduction(s): Laura Dev, University of California Berkeley

Thursday-067-5:00 p.m. UAS Symposium Keynote: Harnessing the Data Revolution with Unmanned Aircraft Systems: Transforming Research through New Insights (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Adam Mathews, Western Michigan University; Anthony Cummings, University of Texas at Dallas

CHAIR: Adam Mathews, Western Michigan University

Panelist(s): Amy Frazier, Assistant Professor, Arizona State University

Thursday-068-5:00 p.m. Challenging Injustice and the Neoliberal Academy from within: Ethical Considerations for the Every-day Work of Scholars (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Careers and Professional Development)

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Justin Mullikin, Rutgers University; Heidi Hausermann, Colorado State University

CHAIR: Justin Mullikin, Rutgers University

5:00 Jessica Hayes-Conroy*, Hobart & William Smith Colleges; *Attending to Neoliberalism in the Classroom: A Feminist Political Ecology of Anxiety in Higher Education*

5:20 Leah Horowitz*, Nelson Institute; *TribalCrit and the Tenure Clock: Conflicting pressures surrounding academic research with Native and other vulnerable communities.*

5:40 Ingrid L Nelson*, University of Vermont; *Decolonizing the Bioblitz: A Pedagogical, Feminist Political Ecology Perspective*

6:00 Neera Singh*, University of Toronto; *Becoming and Unbecoming: Reflections on Neoliberal Academy and Subjectivity*

6:20 Introduction(s): Justin Mullikin, Rutgers University

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Thursday-070-5:00 p.m. Exploring Geospatial Intelligence (GEOINT) Opportunities Within K-12 School Settings (Sponsored by Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Lindsay Mitchell, USGIF

CHAIR: Lindsay Mitchell, USGIF

Panelist(s): Thomas Mueller, Professor, California University of Pennsylvania; Lindsay Mitchell, USGIF; Barbaree Duke, Editor, Directions Magazine; Shannon White, College Of William and Mary

Thursday-072-5:00 p.m. Immersive III: Eclectic Topics I - Immersive Experiences and Technologies (Sponsored by Cartography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Digital Geographies Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Alexander Klippel, Pennsylvania State University; Danielle Oprean, Pennsylvania State University; Martin Swobodzinski, Portland State University

CHAIR: Alexander Klippel, Pennsylvania State University

5:00 Danielle Oprean*, University of Missouri; Alexander Klippel, Penn State University; *The value of 'virtual' place: Critically looking at developing immersive experiences from a theoretical perspective*

5:20 Merrill Johnson*, Colorado State University; *Toward an Understanding of Place in Virtual Worlds*

5:40 Jiawei Huang*, Pennsylvania State University; Alexander Klippel, Pennsylvania State University; *The Effects of Visual Realism on Spatial Memory*

6:00 Chengbi Liu*, George Mason University; *Exploring the relationship between user sentiment and surrounding context in AR social media*

6:20 Discussant(s): Jiayan Zhao, Student, Pennsylvania State University

Thursday-073-5:00 p.m. Beyond policy: The political economy of artisanal and small-scale mining

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Gisselle Vila Benites, The University of Melbourne; Martin Lukas, University of Bremen, Sustainability Research Center (artec)

CHAIR: Gisselle Vila Benites, The University of Melbourne

5:00 Martin Lukas*, University of Bremen, Sustainability Research Center (artec); *Illicit dendritic flows of gold, money, jewellery, and mercury*

5:20 Gisselle Vila Benites*, The University of Melbourne; *The formalization of artisanal and small-scale gold mining in Colombia: a political settlement approach*

5:40 Brian Klein*, University of California - Berkeley; *Ordering the Underground: The Politics of Governance, Access, and (In)Formality in Madagascar's Artisanal and Small-Scale Gold Mining Sector*

6:00 Wilbert Karigomba*, Northwest Arkansas Community College; *Dirty Gold Rush: The Environmental Impacts of Artisanal Gold Mining in Zimbabwe*

6:20 Janet Adomako*, Rutgers University; *Gendered Landscapes and Livelihoods: Political Ecology of Small-scale Gold Mining in Ghana*

Thursday-074-5:00 p.m. Risk Sensing – Using Human Insights And Advanced Analytics Capabilities To Identify, Analyze And Monitor Emerging Risks (Sponsored by Business Geography Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Brett Lucas, City of Cheney, WA

CHAIR:

Thursday-080-5:00 p.m. Working with Tom: Reflections of Former Program Officers on Thomas Baerwald's Career at the National Science Foundation

Room: Palladian, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Daniel Hammel, University of Toledo

CHAIR: Daniel Hammel, University of Toledo

Introduction(s): Daniel Hammel, University of Toledo

Panelist(s): Ronald Abler, The Pennsylvania State University (Retired); Gregory Chu, Professor Emeritus,

UWisconsin-La Crosse; Nina Lam, Professor & Chair, Louisiana State University; Richard Aspinall, Dr.

Discussant(s): Kelley Crews, Associate Professor, University of Texas - Austin

Thursday-081-5:00 p.m. Area Development and Policy - Annual Lecture 2019 (Sponsored by Economic Geography Specialty Group, Routledge, Taylor & Francis Group)

Room: Diplomat Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Michael Dunford, University of Sussex; Weidong Liu, Chinese Academy of Sciences

CHAIR: Michael Dunford, University of Sussex

Introduction(s): Douglas Richardson, Executive Director, American Association of Geographers

Panelist(s): Deborah Bräutigam, Johns Hopkins University's School of Advanced International Studies (SAIS)

Discussant(s): Padraig Carmody, Trinity College Dublin; Meredith DeBoom, University of South Carolina

Thursday-082-5:00 p.m. Relocation as an Adaptation to Climate Change: Grappling with Issues of Equity, Justice and Power (Sponsored by Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Directors Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jessica Marter-Kenyon, University of Georgia

CHAIR: Jessica Marter-Kenyon, University of Georgia

Introduction(s): Jessica Marter-Kenyon, University of Georgia

Panelist(s): A.R. Siders, Stanford University; DEBRA BUTLER, Student, EPA; Dean Hardy, Postdoctoral Fellow, National Socio-Environmental Synthesis Center, University of Maryland; Anamaria Bukvic, Dr., Virginia Tech; Madeleine Parker; Lawrence Hamilton, University of New Hampshire

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Thursday-083-5:00 p.m. Case Studies in Food Security

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Sarah Blue, Texas State University - San Marcos

5:00 Karonech Chheng*, *Contaminating in Cambodia: The Growth of Food Insecurity*

5:20 Kirsteen Shields*, *Enabling places to transform food systems through land reform: A case study of recent land reform legislation in Scotland.*

5:40 Michael Cary*, Cornell University; *Constituting the Sovereign: The Radical Potential and Limitations of Food Sovereignty in Bolivia*

6:00 Laura Rodriguez Amaya*, Faculty, Texas State University; *Disaster Resilience to Food Insecurity: An Integrative and Prescriptive Approach*

6:20 Sarah Blue*, Texas State University - San Marcos; Amy Trauger, University of Georgia; *Usufruct Land Use in Cuba: A Key Objective for Food Sovereignty?*

Thursday-084-5:00 p.m. Critical Environmental Justice (IV) (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Executive Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Anthony Levenda, Arizona State University

CHAIR: Anthony Levenda, Arizona State University

Panelist(s): Tianna Bruno, University of Oregon; Michelle Oyewole, University of California, Santa Barbara; Kirk Jalbert, Arizona State University; Christine Hawn, Postdoctoral Research Fellow, University of Maryland - Baltimore County; Gordon Walker, Professor, LANCASTER UNIVERSITY

Discussant(s): Salvatore Engel-Di Mauro, SUNY New Paltz

Thursday-086-5:00 p.m. Afforestation and Forest Landscape Restoration: Governance, Land Cover, and Livelihood Impacts (part 2) (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Senate Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Forrest Fleischman, University of Minnesota - Twin Cities; Claudia Rodriguez Solorzano, University of Minnesota; Vijay Ramprasad, University of Minnesota

CHAIR: Harry Fischer, Swedish University of Agricultural Sciences

5:00 Introduction(s): Harry Fischer, Swedish University of Agricultural Sciences

5:01 Lisa Naughton*, Ph.D., Dept. of Geography, U. of Wisconsin - Madison; Niwaeli Kimambo (first author), M.Sc., Dept. of Geography, U. of Wisconsin, Madison; Jessica L'Roe, Ph.D., Department of Geography, Middlebury College; Volker Radeloff, Ph.D., Dept of Forest & Wildlife Ecology, U. of Wisconsin-Madison; *Measuring the role of smallholders in national tree planting goals – lessons from Tanzania*

5:21 Dominique Cagalan*, Coastal Carolina University; *Can payments for ecosystem services really restore degraded landscapes and watersheds? A case study from the Philippines*

5:41 Mayank Vikas*, University of Wisconsin - Madison; Paul Robbins, Nelson Institute for Environmental Studies; Forrest Fleischman, University of Minnesota; *As the trees grew tall: Tracing the parallel life histories of forest plantations and rural communities in Kangra district, Himachal Pradesh*

6:01 Forrest Fleischman*, University of Minnesota - Twin Cities; Pushpenra Rana, University of Illinois; Harry Fischer, Swedish University of Agriculture & Life Sciences; Vijay Ramprasad, University of Minnesota; Claudia Rodriguez Solorzano*, University of Minnesota; *Planting and replanting: Continuity and change over 50 years of tree planting in Himachal Pradesh, India.*

6:20 Discussant(s): Ashwini Chhatre, Associate Professor, Indian School of Business

Thursday-087-5:00 p.m. Methods and Motivations for Measuring Spatial Inequality & Socioeconomic Mobility II

Room: Forum Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Wei Kang, University of California - Riverside; Marynia Kolak, University of Chicago

CHAIR: Marynia Kolak, University of Chicago

5:00 Bo Malmberg*, Professor, Stockholms Universitet; William A.V. Clark, University of California, Los Angeles; *Re-evaluating tipping and the dynamics of segregation*

5:20 Sergio Rey*, University of California - Riverside; Wei Kang, University of California - Riverside; *Spatial Inequality, Mobility, and Equalization Dynamics for US Metropolitan Areas 1970-2010*

5:40 Wenfei Xu*, Columbia University; *The Persistence of Racial Segregation through Redlining*

6:00 Luc Anselin*, University of Chicago; Emily Talen, University of Chicago; *Persistent Neighborhood Diversity: Methodological Issues and an Application to Chicago*

6:20 Wei Kang*, University of California - Riverside; Sergio Rey, University of California - Riverside; *Urban income mobility as a multifaceted concept in the United States*

Thursday-088-5:00 p.m. 'Making' Climate Subjects: Examining Subjectivity, Identity, and Agency in Climate Change Mitigation & Adaptation (2) (Sponsored by Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Meaghan Daly, University of New England; Helen Rosko, Clark University

CHAIR: Meaghan Daly, University of New England

5:00 Rachel Harcourt*, Wandi Bruine de Bruin, Prof, University of Leeds; Suraje Dessai, Prof, University of Leeds; Andrea Taylor, Dr, University of Leeds; *Watching*

THURSDAY, April 4 • 5:00 PM - 6:40 PM

helplessly: newspaper coverage of the roles for individuals and homeowners as the UK adapts to a changing climate

5:20 Jamie Shinn*, West Virginia University; *Transformative adaptation in South Africa: Insights for scholarship and policy*

5:40 Christina Greene*, University of Arizona; *"Hijacking the community face:" contested narratives of drought vulnerability and adaptation in California's San Joaquin Valley*

6:00 Lourdes Ginart*, University of Oregon; *Science Diplomacy in the Americas: A Case Study of the Inter-American Institute for Global Change Research*

6:20 Laura Kuhl*, Northeastern University; Elizabeth Minchew, Tufts University; *Investing in climate information systems: crowding out alternative adaptation strategies?*

**Thursday-089-5:00 p.m. 10. Population Specialty Group:
Migration and social change (Sponsored by
Population Specialty Group)**

Room: Council Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

5:00 Chia-Yuan Huang*, PhD Candidate, University College London; *Taiwanese Skilled Migrants in Shanghai and Singapore: Aspirations, Trajectories and Experiences*

5:20 Yining Tan*, Arizona State University; *Gender and Skilled Migration: Agency, Power, and Social Transformations*

5:40 HaeRan Shin*, Seoul National University; *The extra-territorial nation-building in flows and relations: North Korea in the global networks and an ethnic enclave*

6:00 Yukimi Shimoda*, Waseda University; *Non-family transnational emotional bonds and belonging*

6:20 Medea Badashvili*, PhD, Tbilisi State University; *Human Agency in Migration: the impact of Migration on social and cultural identity*

**Thursday-090-5:00 p.m. HDGC Specialty Group Awards
Ceremony (Sponsored by Human Dimensions of
Global Change Specialty Group)**

Room: Congressional A, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Hannah Gosnell, Oregon State University

CHAIR: Hannah Gosnell, Oregon State University

Introduction(s): Hannah Gosnell, Associate Professor, Oregon State University

Discussant(s): William Solecki, Hunter College; Susan Cutter, Carolina Distinguished Professor, University of South Carolina; Diana Liverman, Professor, University of Arizona; Alexandra Paige Fischer, Assistant Professor, School for Environment and Sustainability

Panelist(s): Karen O'Brien, Professor, University of Oslo

**Thursday-091-5:00 p.m. Symposium on Human Dynamics
Research in the Age of Smart/Intelligent Systems:
Smart Cities and Urban Computing V (Sponsored
by Cartography Specialty Group, Geographic
Information Science and Systems Specialty Group,
Cyberinfrastructure Specialty Group)**

Room: Congressional B, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Shaowen Wang, University of Illinois at Urbana-Champaign; Bandana Kar, Oak Ridge National Laboratory

CHAIR: Yang Xu, Hong Kong Polytechnic University

5:00 Cheng Fu*, University of Zurich; Xiaopeng Song, University of Maryland - College Park; Kathleen Stewart, University of Maryland - College Park; *Integrating Remote Sensing and Activity-Based Geographic Information to Monitor Long-term Urban Land Use Change*

5:20 Yang Xu*, Hong Kong Polytechnic University; *Unravel the Landscape and Pulses of Cycling Activities From a Dockless Bike-Sharing System*

5:40 Jimmy Feng*, University of Tennessee, Knoxville; Shih-Lung Shaw, University of Tennessee, Knoxville; *How well do various transportation services serve the diversity of neighborhoods and people in New York City?*

6:00 Yuanyuan GUO*, *Bikeshare-transit: Accessibility and Availability*

6:20 Dipto Sarkar*, National University of Singapore; *Value of Spatial Information as part of Social Network Analysis*

**Thursday-092-5:00 p.m. How Can You Benefit by Engaging
with the Organization of American States system?**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Empire Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Patricia Solis, Arizona State University; Deirdre Dalpiaz Bishop, U.S. Bureau Of the Census

CHAIR: Patricia Solis, Arizona State University

Panelist(s): David Salisbury, Associate Professor, University Of Richmond; Deirdre Dalpiaz Bishop, U.S. Bureau Of the Census

Discussant(s): Patricia Solis, Executive Director, Arizona State University

**Thursday-093-5:00 p.m. Singapore Journal of Tropical
Geography (SJTG) Annual Lecture (Sponsored
by Wiley)**

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Chen-Chieh Feng, Geography, National University of Singapore

CHAIR: Chen-Chieh Feng, Geography, National University of Singapore

Panelist(s): May Yuan, Ashbel Smith Professor, University of Texas - Dallas

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Thursday-094-5:00 p.m. Contested geographies of adaptation 2: United States (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Michael Mikulewicz, Centre for Climate Justice -
Glasgow Caledonian University

CHAIR: Catherine Day, Stetson University

5:00 Paul Adams*, University of Texas at Austin; *How to Talk
about Climate Change in the High Plains*

5:20 Rachael Carrell*, University of Vermont; *Targeting the Roots
of Disaster: Community Work Dismantling Vulnerability
in Mariana, Puerto Rico after Hurricane Maria*

5:40 Janee Petersen*, Ohio University; *The Atlantic Coast
Pipeline: Power and Environmental Justice and Scales
of Resistance*

6:00 Catherine Day*, Stetson University; *Listening to the Wrong
Signal: Exploring Climatic Subjectivities, Identities,
and Agency among Farmers in New Mexico*

Thursday-095-5:00 p.m. The Antipode Lecture – The Seventh Wonder of the Zad (Sponsored by Wiley)

Room: Blue Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Nik Theodore, University of Illinois at Chicago

CHAIR: Nik Theodore, University of Illinois at Chicago

Panelist(s): Kristin Ross, NYU

Thursday-097-5:00 p.m. GeoAI and Deep Learning Symposium: Spatial-Temporal Modeling and Data Mining II (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Capital Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Diep Dao, University of Colorado - Colorado Springs;
Daniel Runfola, The College of William and Mary | AidData

CHAIR: Diep Dao, University of Colorado - Colorado Springs

5:00 Yuchuan Huang*, University of Minnesota - Minneapolis;
Ying Song, University of Minnesota - Minneapolis;
*Investigating Relationships between Bike-sharing and
Public Transit: A Spatial-Temporal Approach*

5:20 Diep Dao*, University of Colorado - Colorado Springs;
Jean-Claude Thill, University of North Carolina -
Charlotte; *Mining for Spatial Associations in Urban
Residential Auto Theft Analysis*

5:40 Fernando Sanchez-Trigueros*, University of Arizona
- Geography & Development; *Evolving a genetic
algorithm to solve a multiple knapsack optimization
problem with allocation frictions, and its application
to maximizing spatial accessibility to services with
minimal reallocation costs*

6:00 Daniel Runfola*, The College of William and Mary |
AidData; Geeta Batra, Global Environment Facility;
Anupam Anand, Global Environment Facility; *Causal
Trees: Exploring Causal Linkages using Machine
Learning and Spatial Data*

6:20 Seth Goodman*, College of William and Mary; Daniel
Runfola, PhD, College of William and Mary; *A
Comparison of Landsat 7 Gap Filling Methods for
Convolutional Neural Network Applications*

Thursday-098-5:00 p.m. Young Korean Geographers Forum II

Room: Embassy Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Injeong Jo, Texas State University

CHAIR: Injeong Jo, Texas State University

Panelist(s): Sohyun Park, Seoul National University

Discussant(s): Sunhui Sim, Associate Professor, University of
North Alabama; SU HAN, Post Doctoral Researcher;
Heejun Chang, Professor, Portland State University

Introduction(s): Injeong Jo, Associate Professor, Texas
State University

Thursday-099-5:00 p.m. The Humanistic Geo-Historical Heritage of David Lowenthal (Sponsored by History of Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Hampton Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Kent Mathewson, Louisiana State University; Kenneth
Olwig, Swedish University Of Agricultural Sciences, Alnarp

CHAIR: Kent Mathewson, Louisiana State University

5:00 Introduction(s): Kenneth Olwig, Professor Emeritus,
Swedish University Of Agricultural Sciences, Alnarp

5:10 Kenneth Olwig*, Swedish University Of Agricultural
Sciences, Alnarp; *David Lowenthal and the Cultural
and Environmental Heritage of the Political Landscape*

5:25 Laura Watt*, Sonoma State University; *David Lowenthal
and the Genesis of Critical Conservation Studies*

5:40 John Gillis*, Emeritus Professor, Rutgers University;
David Lowenthal's Imagined Isles

5:55 Elizabeth Thomas-Hope*, University of the West Indies -
Mona; *Lowenthal, the Caribbeanist*

6:10 Sverker Sörlin*, KTH Royal Institute of Technology; *David
Lowenthal and the Quest for the Unity of Knowledge*

Thursday-100-5:00 p.m. Performing Arts In The City: Socio-Spatial Impacts, Hospitality And Community Building (Sponsored by Media and Communication Geography Specialty Group)

Room: Calvert Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Severin Guillard, Université Paris Est - Lab'Urba;
Elizabeth Auclair, Cergy Pontoise University; ANNE HERTZOG,
University of CERGY PONTOISE

CHAIR: Severin Guillard, Université Paris Est - Lab'Urba

Panelist(s): ANNE HERTZOG, University of CERGY
PONTOISE; Severin Guillard, Université Paris
Est - Lab'Urba; Juliet Carpenter, Oxford Brookes
University; Jessie Stein; Mark Treskon, Urban
Institute; Merryl Goldberg, California State University
At San Marcos

Discussant(s): Elizabeth Auclair, Cergy Pontoise University

THURSDAY, April 4 • 5:00 PM - 6:40 PM

Thursday-101-5:00 p.m. Food Justice Scholar-Activism/ Activist Scholarship in Geography: A Participatory Discussion (Sponsored by Geographies of Food and Agriculture Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress
Room: Governor's Room, Omni, East (Panel)
Time: 5:00 p.m. - 6:40 p.m.
ORGANIZER(S): Kristin Reynolds; Colleen Hammelman, University of North Carolina - Charlotte
CHAIR: Kristin Reynolds

Introduction(s): Kristin Reynolds

Discussant(s): Daniel Block, Professor, Chicago State University

Panelist(s): Hank Herrera, Center for Popular Research, Education & Policy; Colleen Hammelman, University of North Carolina - Charlotte; Jeanne Firth, London School of Economics; Jessica Gilbert, SUNY - Buffalo

CHAIR: Patrick Brouder, Brock University

5:00 Maartje Roelofsen*, Macquarie University; *The Tourism Worker and the Platform Economy – Keeping Track of the Digital Body*

5:20 Katie Dudley*, Clemson University; *Disaster capitalism in tourism destinations: A situational analysis of New Orleans' citywide security plan*

5:40 Bruce Erickson*, University of Manitoba; *Salvage Capitalism in a Tourist Destination: The Case of Churchill, Manitoba*

6:00 Salvador Anton Clave*, Department of Geography, Faculty of Tourism and Geography, Rovira i Virgili University; Julie Wilson*, Faculty of Economics and Business Studies, Universitat Oberta de Catalunya / Open University of Catalonia; Cinta Sanz-Ibáñez, Department of Geography, Faculty of Tourism and Geography, Rovira i Virgili University; *'Moments' and 'Butterflies' in the Geographical Political Economy of Tourism Destinations*

6:20 Discussant(s): Jarkko Saarinen, Professor, University of Oulu

Thursday-102-5:00 p.m. Towards a Geographical Political Economy of Tourism: Critical, Relational, and Evolutionary Approaches to Place-based Development (II) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)
Time: 5:00 p.m. - 6:40 p.m.
ORGANIZER(S): Patrick Brouder, Brock University; Salvador Anton Clave, Rovira i Virgili University; Jarkko Saarinen, University of Oulu

THURSDAY, April 4 • 6:50 PM - 7:50 PM

Thursday-002-6:50 p.m. International Reception

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Special Event)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers
CHAIR:

Thursday-004-6:50 p.m. World Geography Bowl

Room: Maryland A, Marriott, Lobby Level (Special Event)
Time: 6:50 p.m. - 11:00 p.m.
ORGANIZER(S): The American Association of Geographers
CHAIR:

Thursday-026-6:50 p.m. Study of the American South Specialty Group Business Meeting (Sponsored by Study of the American South Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Meeting)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers

Thursday-031-6:50 p.m. Disability Specialty Group Business Meeting (Sponsored by Disability Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Meeting)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers

Thursday-032-6:50 p.m. Indigenous Peoples Specialty Group Business Meeting (Sponsored by Indigenous Peoples Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Meeting)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers

Thursday-033-6:50 p.m. European Specialty Group Business Meeting (Sponsored by European Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Meeting)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers

Thursday-034-6:50 p.m. Cryosphere Specialty Group Business Meeting (Sponsored by Cryosphere Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Meeting)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers

Thursday-036-6:50 p.m. Ethnic Geography Specialty Group Business Meeting (Sponsored by Ethnic Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Meeting)
Time: 6:50 p.m. - 7:50 p.m.
ORGANIZER(S): The American Association of Geographers

THURSDAY, April 4 • 6:50 PM - 7:50 PM

Thursday-041-6:50 p.m. Climate Specialty Group Business Meeting (Sponsored by Climate Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-049-6:50 p.m. Cultural and Political Ecology Specialty Group Business Meeting (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-056-6:50 p.m. Business Geography Specialty Group Business Meeting (Sponsored by Business Geography Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-057-6:50 p.m. Latin America Specialty Group Business Meeting (Sponsored by Latin America Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-058-6:50 p.m. Cartography Specialty Group Business Meeting (Sponsored by Cartography Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-060-6:50 p.m. Geographies of Food and Agriculture Specialty Group Business Meeting (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-061-6:50 p.m. Coastal and Marine Specialty Group Business Meeting (Sponsored by Coastal and Marine Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-065-6:50 p.m. Geomorphology Specialty Group Business Meeting (Sponsored by Geomorphology Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-066-6:50 p.m. Retired Geographers Organization Business Meeting (Sponsored by Retired Geographers Affinity Group)

Room: Coolidge, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

Thursday-068-6:50 p.m. Hazards, Risks, and Disasters Specialty Group Business Meeting (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Wilson A, Marriott, Mezzanine Level (Meeting)
 Time: 6:50 p.m. - 7:50 p.m.
 ORGANIZER(S): The American Association of Geographers

NOTES

Presenting author(s) are indicated with an asterisk ().*

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FRIDAY

FRIDAY, April 5 • 8:00 AM - 9:40 AM**Friday-001-8:00 a.m. Path Creation and Regional****Development 1: Path Transformation (Sponsored by Economic Geography Specialty Group)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Danny Mackinnon, Newcastle University; Michaela Trippl, University of Vienna; Arne Isaksen

CHAIR: Danny Mackinnon, Newcastle University

8:00 Michaela Trippl*, University of Vienna; Simon Baumgartinger-Seiringer, Department of Geography and Regional Research, University of Vienna; Johan Miorner, KEG, Lund University; *Towards a stage model of regional industrial path transformation*

8:20 Arne Isaksen*, *Digital transformations of regional industries and public sectors*

8:40 Bjorn Asheim*, Bjorn T. Asheim, Professor, University of Stavanger, Norway; *The role of Smart Specialisation in driving long-term structural changes*

9:00 Viktor Kveton*, Charles University; Jiří Blažek, Charles University; *Evolutionary trajectories of two old industrial regions: comprehending the key drivers and processes in transformation of regional industrial paths*

9:20 Discussant(s): Danny Mackinnon, Professor, Newcastle University

Friday-002-8:00 a.m. Diaspora Engagements:**Landscape, Politics and Place in Migrant Transnational Practices**

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Geraldine Pratt, University Of British Columbia; Vanessa Banta

CHAIR: Geraldine Pratt, University Of British Columbia

8:00 Philip Kelly*, York University; *Duterte and the Diaspora: Filipino-Canadian Media Representations and Political-Economic Imaginaries of the Homeland*

8:20 Rachel Silvey*, U. of Toronto; *Remitting Precarity: Landscapes of Transnational Gendered Poverty*

8:40 Shae Frydenlund*, University of Colorado Boulder; *Support from the South: Rohingya refugees and relational urban (re)development*

9:00 Aaron Malone*, University of Colorado; *Diaspora policy and the landscapes of transnational engagement*

9:20 Kimberly Marie Carlson*, University of Hawaii, Manoa; Lisa C Kelley, University of Hawaii, Manoa; Nancy Lee Peluso, University of California, Berkeley; Surya Afiff, University of Indonesia; *Large-scale commodity concessions and labor migration in Indonesia*

Friday-003-8:00 a.m. Thrown-togetherness in Turbulent Times: Diversity, Migration and the City 1 — Urban citizenship

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Anna Gawlewicz, University of Glasgow; Carlos Estrada-Grajales, QUT

CHAIR: Anna Gawlewicz, University of Glasgow

8:00 Introduction(s): Anna Gawlewicz, University of Glasgow

8:10 Introduction(s): Carlos Estrada-Grajales, QUT

8:20 Oren Yiftachel*, Ben-Gurion University; Nir Cohen, Bar-Ilan University; *Displaceability and Defensive Urban Citizenship(s): Urban Politics of 'Thrown-togetherness' in Tel-Aviv*

8:40 Alistair Sheldrick*, University of Manchester; *Hostile state bureaucracies and the intersecting geographies of asylum and austerity in the UK.*

9:00 Ashley Hernandez*, University of California, Irvine; *Local Activism Online and in the Built Environment: Activist Networks in the Affordable Housing and Gentrification Debate in Boyle Heights*

9:20 Claudia Wilopo*, University of Basel; *Alternative geographies of citizenship: An ethnographic study of spaces of urban citizenship in Switzerland*

Friday-004-8:00 a.m. The Politics & Space Dialogue:**Questioning Nationalism (Sponsored by Political Geography Specialty Group)**

Room: Maryland A, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Eugene McCann, Simon Fraser University

CHAIR:

Introduction(s): Eugene McCann, Dr., Simon Fraser University

Panelist(s): Ghassan Hage; Ishan Ashutosh, Indiana University; Angharad Closs Stephens; Sara H. Smith, Associate Professor, University of North Carolina

Friday-005-8:00 a.m. Reinstitutionalizing Equity (I): Politics, Governance and the Public Sector (Sponsored by Economic Geography Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nichola Lowe, University of North Carolina-Chapel Hill

CHAIR: Marc Doussard, University of Illinois at Chicago

8:00 Jason Spicer*, University of Toronto; Michael Storper, London School of Economics; *The Politics of Regional Resentment: Economic Globalization and the Emergence of US Electoral Regions*

8:20 Donald Planey*, PhD Student, Geography, University Of Illinois, Urbana Champaign - Urbana, IL; *Constructing the Region: The Rise, Fall, and Return of Regional Governance in Chicagoland, 1957-2018*

8:40 Jennifer Clark*, Associate Professor, Georgia Institute of Technology; *Subsidizing Uneven Innovation: Smart Cities and Inclusive Economic Development*

9:00 Joshua Whitford*; *Hollowing the brokers: Street level bureaucracies, network failures, and their implications for American industrial policy.*

9:20 Marc Doussard*, University of Illinois at Chicago; *The Human Development Wave: U.S. Economic Development Embraces People and Equity*

Friday-006-8:00 a.m. Critically Engaging the 'China Model' of Development: Infrastructures, BRI, and Techno-politics: Session 1 (Sponsored by China Specialty Group, Development Geographies Specialty Group, Political Geography Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Galen Murton, James Madison University

CHAIR: Tim Oakes, University of Colorado

FRIDAY April 5 • 8:00 AM - 9:40 AM

8:00 Tim Oakes*, University of Colorado; *Zone infrastructures: China's new urban paradigm and export product*

8:20 Max Hirsh*, University of Hong Kong; *Technical Experts and the Production of Airport Infrastructure in Asia*

8:40 Dorothy Tang*, Massachusetts Institute of Technology; *Modeling Sponge Cities: the governance of urban runoff and spatial practices in Shenzhen*

9:00 Andrew Grant*, University of Colorado At Boulder; *Infrastructure, Civilization, and the Politics of Memory in a Sino-Tibetan City*

9:20 Discussant(s): James Sidaway, National University of Singapore

Friday-007-8:00 a.m. An Integrated Platform for Sharing, Accessing, and Analyzing Confidential Geospatial Data: the Geospatial Virtual Data Enclave (GVDE Workshop I)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Virginia A, Marriott, Lobby Level (Workshop)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Coline Dony; Stuart Hutchings, The Inter-university Consortium for Political and Social Research

CHAIR: Coline Dony

Friday-008-8:00 a.m. The Geography of Political Parties: towards a Research Agenda (Sponsored by Political Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sam Halvorsen, Queen Mary University of London; Carl Truedsson, London School of Economics

CHAIR: Carl Truedsson, London School of Economics

8:00 Emma Ormerod*, Newcastle University; *The Politics of Place and the Place of Politics*

8:20 Sam Halvorsen*, Queen Mary University of London; *Political Parties and the City: mobilisation, participation and representation in Buenos Aires*

8:40 Chris Erl*, McGill University; *There's a Party at City Hall: Political Parties and Candidate Diversity in Canadian Municipal Elections*

9:00 Elizabeth Ann Barrett*, University of West Florida; John Derek Morgan, Ph.D., University of West Florida; Jocelyn Evans, Ph.D., University of West Florida; Haris Alibašić, University of West Florida; *Exploring spatial and ideological variation in town hall meetings across the United States*

9:20 Discussant(s): Michael Heffernan, Professor, University of Nottingham

Friday-009-8:00 a.m. Environmental Justice in the Anthropocene (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Energy and Environment Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nino Antadze, University of Prince Edward Island; Lauren Gifford, University of Colorado, Boulder

CHAIR: Nino Antadze, University of Prince Edward Island

Panelist(s): Lauren Gifford, University of Colorado, Boulder; Summer Gray, University of California; Rebekah Breitzer, CUNY - Graduate Center; Marccus

Hendricks, University of Maryland - College Park; Bidita Tithi, University of California, Davis; Melinda Laituri, Professor, Colorado State University

Friday-010-8:00 a.m. The Environmental State in the Village 1: The Place of the State in the Creation of Neoliberal Markets and Standards (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Myung Ae Choi; Valeria Biffi Isla, London School of Economics

CHAIR: Abigail Bennett, Michigan State University

8:00 Anke Kaulard*, Pontificia Universidad Católica del Perú; *"Alternative" cocoa for coca: g-local transformation to organic and fair trade. The cases of Chazuta and Pucacaca, San Martín, Peru*

8:20 Elsie Lewison*, Ms, University of Toronto; *Eco-market engineering: Locating the state in sustainable value chain development*

8:40 Patrick Slack*, McGill University; Sarah Turner, McGill University; *Environmental Policy Tensions in the Sino-Vietnamese Borderlands: Upland Ethnic Minority Livelihoods on the Socialist Fringes*

9:00 Hekia Bodwitch*, McGill University; *Property is not Sovereignty: Excluding small-scale fishers through trade standards in market-based management regimes*

Friday-012-8:00 a.m. Value-rent-finance: Rethinking the Financialisation of Nature

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alex Loftus, King's College London; Michael Ekers, University of Toronto; Thomas Purcell, Leeds Beckett University

CHAIR: Thomas Purcell, Leeds Beckett University

8:00 Introduction(s): Hug March, Universitat Oberta de Catalunya

8:10 Sara Nelson*, University of Minnesota; Patrick Bigger*, Lancaster University; *Bankable resilience: Reproducing forests as rent-bearing infrastructure*

8:30 Michael Ekers*, University of Toronto; *Tremulous Property: On Rents, Enclosure and the Contestation of Financialized Forestlands in British Columbia*

8:50 Thomas Purcell*, Leeds Beckett University; Alex Loftus, Kings College London; Hug March, Open University of Catalunya; *Value-Rent-Finance*

9:10 Alex Loftus*, Dr, King's College London; Hug March*, Universitat Oberta de Catalunya; *Value-Rent-Finance in the hydrosocial cycle*

9:30 Discussant(s): Elisa Greco, University of Leeds (UK)

Friday-016-8:00 a.m. Impact and Engagement: Assessing the Geographical Film (Sponsored by Film-Making and Screening Specialty Group, Digital Geographies Specialty Group, Media and Communication Geography Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Jessica Jacobs, Queen Mary University of London

CHAIR: Jessica Jacobs, Queen Mary University of London

FRIDAY, April 5 • 8:00 AM - 9:40 AM

Panelist(s): Jessica Jacobs, Queen Mary University of London; Elisabetta Rosa; Ella Harris, Goldsmiths University

Discussant(s): Heather Davis, University of Tennessee; Joseph Palis, University of the Philippines-Diliman

Friday-017-8:00 a.m. Arendt and Geography

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Oliver Belcher, University of Durham

CHAIR: Oliver Belcher, University of Durham

8:00 Joshua Eichen*, *Arendt and the Work and Labor of Nature in the Early Modern Slave/Sugar Nexus*

8:20 Derek Ruez*, University of Tampere; *The space in-between: Working with Arendt's world to rethink the political*

8:40 Oliver Belcher*, PhD, Durham University; Jeremy Schmidt, PhD, Durham University; *Being Earthbound: Arendt, Process, and Alienation in the Anthropocene*

9:00 Matthew Tillotson*, Daanish Mustafa, King's College London; *An Arendtian geopolitics. Action, power and nomos in the Human Condition*

9:20 Discussant(s): Jennifer Culbert, Johns Hopkins University

Friday-018-8:00 a.m. Agrarian Urbanisms: Tracking Urbanization beyond Cities in Asia I (Sponsored by Asian Geography Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Shubhra Gururani, York University; Sai Balakrishnan

CHAIR: Sai Balakrishnan

8:00 Nausheen H. Anwar*, Social Sciences & Liberal Arts, IBA; *Receding rurality, booming periphery: Value struggles in Karachi's agrarian-urban frontier*

8:20 Shubhra Gururani*, York University; *Cities in a World of Villages: Agrarian-Urban Transformation in India's Urbanizing Frontier*

8:40 Emily Nguyen*, Yale University; *Spirits of the Fringe: Spirituality and Peri-urban Development of a Changing Village in Hanoi, Vietnam*

9:00 Delia Wendel*, MIT; *The Ethics of Stability: Rebuilding Rural Rwanda after the 1994 Genocide*

9:20 Discussant(s): Gillian Hart, Professor Emerita, University of California, Berkeley

Friday-019-8:00 a.m. Geopolitics on Korean Peninsula and South Korea's Transnational Economies (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, Geography Education Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Jinsoo Lee, University of Idaho

8:00 Jinsoo Lee*, University of Idaho; *Peace for prosperity? The geopolitics of Trump and the Korean peace process*

8:20 Yeon-Taek Ryu*, Chungbuk National University, South Korea; *Spatial Inequalities and Temporal Variations in the Change Rates of House Prices and Rent Levels across Korean Cities, 1986-2000*

8:40 Jiwon Lee*, Seoul National University; *Regional governance of social innovation ecosystems from an evolutionary perspective: insights from the social fashion industry ecosystems in Seoul, Korea*

9:00 Yangmi Koo*, Dr., Department of Geography, Seoul National University; *Korean Transnational Corporations and Regional Development in Vietnam*

9:20 Joseph Stoltman*, Western Michigan University; *Geographical and Historical Evidence for South Korea's Dokdo*

Friday-020-8:00 a.m. Critiquing Empire from Within: Undisciplined Pedagogies and Research for Our Times (Sponsored by Harassment-Free AAG Initiative)

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Malini Ranganathan, American University

CHAIR: Jordanna Matlon, American University

Panelist(s): Jordanna Matlon, American University; Erin Collins, American University; Nida Rehman, University of Cambridge; Vidyamali Samarasinghe, Professor, American University; Carolyn Gallaher, Professor, American University

Discussant(s): Garrett Graddy-Lovelace, Assistant Professor, American University School of International Service; Anthony Fontes, American University

Friday-021-8:00 a.m. CJRS 6. The Good life, the Economy, and the City

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): John Miron, University of Toronto

CHAIR: Katarzyna Sila-Nowicka, University of Glasgow

8:00 David Saucedo De La Fuente*, University of Texas at Dallas; *A Spatial Panel Data Analysis of the Effect of Drug-Related Violence on Labor Productivity: Evidence from Mexico*

8:20 Yi Liu*, School of Geography Sciences, East China Normal University, Shanghai, 200241, China; *Analysis on the evolution of regional distribution of vegetables in Shanghai under the background of urban agriculture*

8:40 Jingjing Li*, Drexel University; Changjoo Kim, University of Cincinnati; *Exploring the effects of food accessibility in different spatial contextual units on grocery food shopping behaviors*

9:00 Yifan Wang*, State University of New York at Buffalo; Zeping He*, State University of New York At Buffalo; *Detecting Urban Area of Interest via Geo-tagged Photos*

9:20 Katarzyna Sila-Nowicka*, University of Auckland; Jing Yao, University of Glasgow; Xiaoxiang Zhang, Hohai University; *Can activity spaces say something new about social exclusion?*

Friday-022-8:00 a.m. Eurasian Economic Geographies (Sponsored by Eurasian Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Edward Holland, University of Arkansas

CHAIR: Olga Hannonen

8:00 Elena Givental*, California State University East Bay, Department of Anthropology, Geography, Environmental Studies; Anatoly Stepanov, Department of International Relations, Ural Federal University, Yekaterinburg, Russia; Maria Ilyushkina, Department of Linguistics and Professional Communications and Department of Tourism, Ural Federal University Yekaterinburg, Russia; Alexander Burnasov,

FRIDAY April 5 • 8:00 AM - 9:40 AM

Department of International Relations, Ural Federal University, Yekaterinburg, Russia; *The Post-Industrial Landscapes of Central Urals, Russia: Heritage Value, Tourist Potential, and Unrealized Opportunities*

8:20 Ilmur SULEYMANOV*, Cardiff University; *Economic Shocks and Economic Resilience in Russian Single-industry Towns*

8:40 Vlad Mykhnenko*, University of Oxford; *Causes and consequences of the war in the Ukrainian Donbas: an economic geography perspective*

9:00 Christopher Cowan*, University of Arkansas; Ted Holland, PhD, University of Arkansas; Ainura Sulaimanova, American University of Central Asia; *Towards a Geography of Narcotics Trafficking: The Role of Space and Place in the Eurasian Drug Trade*

9:20 Olga Hannonen*, *Bordering mobilities: The case of Russian trans-border second-home ownership in Finland*

Friday-023-8:00 a.m. Smart Urban Experimentation 1: Conceptualising Urban Knowledge Politics & Decision-making. (Sponsored by Digital Geographies Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Rachel Macrorie, University of Sheffield; Philipp Spaeth, Freiburg University; Pamela Robinson, Ryerson University

CHAIR: Rachel Macrorie, University of Sheffield

8:00 Ryan Burns*, Assistant Professor, University of Calgary; *"Smart" Is Not a Thing: Epistemological Framings and Limits of Smart Cities*

8:20 Philipp Spaeth*, Freiburg University; Joerg Knieling, Hafen-City University Hamburg; *Trying to pave the way for Intelligent Transportation Systems (ITS) – The knowledge politics of Smart City experiments in Hamburg*

8:40 I-Chun Catherine Chang*, Macalester College; Sue-Ching Jou, National Taiwan University; Ming-Kuang Chung, National Taiwan University; *Provincializing Smart Urbanism in Taipei: Smart City as a Strategy for Urban Regime Transition*

9:00 Laura Oers*, Copernicus Institute for Sustainable Development - Utrecht University; Philipp Spath, University of Freiburg; Rob Raven, Monash Sustainable Development Institute; Eric Jolivet, Toulouse 1 University Capitole; Simon Marvin, Urban Institute - The University of Sheffield; *Smart Mobility as a new way of knowing the city - Different perspectives and drivers of institutional work in four European cities*

9:20 Debbie Hopkins*, University of Oxford; *Knowing and Governing through Urban Experimentation*

Friday-024-8:00 a.m. Geographies of Education V: Connecting with Real-World Experiences (Sponsored by Critical Geographies of Education Specialty Group, Cultural Geography Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Katerina Klonari, University of the Aegean

8:00 Jamie Mitchem*, University of North Georgia; Allison Bailey, University of North Georgia; *Community*

Science: Educating Georgia Residents on Native Forest Ecosystems and Sustainable Practices

8:20 Gary Schnakenberg*, Michigan State University; *Place, Space, and Service: Connecting a 'Senior Seminar' Capstone Course to the Community*

8:40 Simone Yoxall*, Southwestern University; Sean Carroll, Southwestern University; Claire Bressette, Southwestern University; Hannah Winkler, Southwestern University; Camille Soto, Southwestern University; Miranda Wolk, Southwestern University; *The Role of Activism in Higher Education: A Case Study of Southwestern University*

9:00 Kenneth Carano*, Western Oregon University; Todd Kenreich*, Towson University; *Where is Geography Taught? The Ambiguity of the Global Studies Classroom*

9:20 **Discussant(s):** Symon James-Wilson, University of Toronto

Friday-025-8:00 a.m. Geography Education and University Issues

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Cassandra Wentzel, University of Delaware

8:00 Xi Xiang*, East China Normal University; Di Xi, East China Normal University; *How university students solve problems through spatial thinking within a web-based mapping environment?*

8:20 Steven Hick*, Professor of the Practice, GIS, University of Denver; *Geography at Altitude*

8:40 Cassandra Wentzel*, University of Delaware; *Student Loan Attitudes: A Study at the University of Delaware*

Friday-026-8:00 a.m. Mixed Drinks: Geographies of Wine, Beer, and Spirits (III) (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Colleen Myles, Texas State University; Mark Patterson, Kennesaw State University

CHAIR: Colleen Myles, Texas State University

8:00 Mark Guizlo*, Lakeland Community College; *Terroir and Land Suitability in the Grand River Valley American Viticultural Area in Ohio*

8:20 Gerhard Rainer*, Katholische Universität Eichstätt-Ingolstadt; Christian Steiner*, University of Eichstätt; *Geographies of qualification. Disruptive technology and calculative practices in the global wine industry*

8:40 Percy Dougherty*, Professor Emeritus, Kutztown University of Pennsylvania; *Vineyard Disaster in PA: The Spotted Lantern Fly*

9:00 Denyse Lemaire*, Salish Kootenai College; *Expansion and Challenges of the World Wine Industry in the Context of Global Climate Change.*

9:20 John Tiefenbacher*, Texas State University; *From Communicating Disaster to Portraying Damage: Assessing the Actual Impacts of Extreme "Natural" Events on Wine Regions Through Cartographic Representations of Destruction*

FRIDAY, April 5 • 8:00 AM - 9:40 AM**Friday-027-8:00 a.m. Current Topics in Eastern Africa and Related Geographies (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jessica Marter-Kenyon, University of Georgia; Justin Mullikin, Rutgers University

CHAIR: Jessica Marter-Kenyon, University of Georgia

Panelist(s): Justin Mullikin, Rutgers University; Youjin Chung, Clark University; Germaine Tuyisenge, Simon Fraser University; Timothy Baird, Associate Professor, Virginia Tech; Kevin Mwenda, Ph.D Candidate, University of California; Janet Puhalla, SUNY Plattsburgh

Discussant(s): Jessica Marter-Kenyon, University of Georgia

Friday-028-8:00 a.m. Heritage Tourism and (In)Authenticity: gentrification, spaces of imagination, interpretation and placemaking. (Sponsored by Recreation, Tourism, and Sport Specialty Group, Urban Geography Specialty Group)

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jane Lovell, Canterbury Christ Church University; Jane Lovell, Canterbury Christ Church University

CHAIR: Jane Lovell, Canterbury Christ Church University

8:00 Hannah Webb*, Texas Tech University; *The Magic of Tourism: A Look into the Spatiality of Harry Potter Tourism in Edinburgh*

8:20 Jane Lovell*, Canterbury Christ Church University; *Magically Real Authenticity, Fairytale Tourism and Heritage*

8:40 Jayne Rogerson*, University of Johannesburg; *Johannesburg's Iconic Hotels: The Two Carltons*

9:00 Eddie Modlin*, Norfolk State University; *Is the Plantation an Irredeemably Racist Southern Symbol?*

9:20 May Newisar*, The University of Manchester; *Public open spaces as a tool for mediating the gap between Heritage-led regeneration projects and World Heritage sites. Case study: Liverpool- Pier Head*

Friday-031-8:00 a.m. Author Meets Critics: Kafui Attoh's "Rights in Transit: Public Transportation and the Right to the City in California's East Bay" (U Georgia Press, 2019)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jacob Shell, Temple University

CHAIR: Jacob Shell, Temple University

Panelist(s): Julie Cidell, University of Illinois; Samuel Stein, CUNY Graduate Center; Nicholas Klein, Cornell University; Joaquin Villanueva, Dr., Gustavus Adolphus College; Kafui Attah, Assistant Professor, CUNY School of Labor and Urban Studies

Friday-032-8:00 a.m. Emerging Geographies of Amazonia: Lessons for a Changing World IV (Sponsored by Latin America Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jennifer Langill, McGill University; Christian Abizaid, University of Toronto; Cynthia Simmons, University of Florida

CHAIR: Jennifer Langill, McGill University

8:00 Eugenio Arima*, The University of Texas at Austin; *50 Years of Change in Amazonia – A Land System Science Perspective*

8:20 David Salisbury*, Associate Professor, University Of Richmond; *Transboundary Mapping in the Southwestern Amazon Borderlands*

8:40 Amy Rosenthal*, The Field Museum; *Chinese Engagement in Infrastructure Development in the Amazon: Recommendations for Better Environmental Outcomes*

9:00 Diego Melo*, University of Colorado At Boulder; *Rights of Nature in Colombia: between Extractivism and Geo-ontology*

Friday-033-8:00 a.m. Symposium on Frontiers in Geospatial Data Science: Data-Intensive Geography

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Harvey Miller, The Ohio State University; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Harvey Miller, The Ohio State University

8:00 Chuanrong Zhang*, University of Connecticut, Department of Geography; Tian Zhao, Department of Computer Science, University of Wisconsin-Milwaukee; Weidong Li, aDepartment of Geography & Center for Environmental Sciences and Engineering, University of Connecticut; *Optimization techniques for Improving Geospatial Semantic Web Query*

8:20 Shijin Qu*, Department of Land resources management China University of Geosciences (Wuhan); *The process and spatial pattern of the urban land use transition in China*

8:40 Tianyang Chen*, University of North Carolina - Charlotte; Wenwu Tang, Advisor; *When geospatial big data meets high performance computing in 3D GIS*

9:00 Zhong Zheng*; *Uncertain scaling laws of individual trips: Evidence from mobile phone signaling data*

9:20 Liu Xi*, Shanghai Institute of Geologic Survey; Wang Jun, Shanghai Institute of Geological Survey; *The stock land development potential evaluation in Shanghai based on big data*

Friday-033.5-8:00 a.m. Cartography Specialty Group: Illustrated Student Paper Competition (Sponsored by Cartography Specialty Group)

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Meghan Kelly, University of Wisconsin-Madison

CHAIR: Meghan Kelly, University of Wisconsin-Madison

8:00 Beichen Tian*; *Suitability Evaluation and Neighborhood Design for Pollinator Habitat, City of Madison, Wisconsin*

8:10 Discussant(s): Dominica Whitesell, University of Texas - Austin

8:20 Discussant(s): Timothy Stone, Student, Michigan Technological University

8:30 Discussant(s): Emily Domanico, Pennsylvania State University

8:40 Discussant(s): Robert Darlington

FRIDAY April 5 • 8:00 AM - 9:40 AM

8:50 Discussant(s): HAIHONG HUANG, San Diego State University

9:00 Discussant(s): Teng Keng Vang, Miami University

9:10 Chelsea Cervantes De Blois*, University of Minnesota - Twin Cities - Minneapolis, MN; *Mapping Azerbaijan's Regional Vulnerability: Analysis of pollutant and demographic data*

9:20 Discussant(s): Meghan Kelly, Graduate Student, University of Wisconsin-Madison

9:30 Discussant(s): Jeffery Edwards, Student, University of North Carolina - Wilmington

Friday-034-8:00 a.m. Encountering the Profession and Discipline of Engineering in Critical Social Science Research (Sponsored by Qualitative Research Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mohammed Arefin, University of Wisconsin - Madison - Madison, WI; Danya Al-Saleh, University of Wisconsin

CHAIR: Mohammed Arefin, University of Wisconsin - Madison - Madison, WI

Introduction(s): Mohammed Arefin, University of Wisconsin - Madison - Madison, WI

Panelist(s): Majed Akhter, Lecturer, King's College London; Danya Al-Saleh, University of Wisconsin; Kerri Ormerod, Asst Professor/Program Leader, University of Nevada; Zeynep Oguz

Discussant(s): Jessica Lehman, University of Minnesota - Minneapolis

Friday-035-8:00 a.m. Stealth 'Unknown-Knowns', Environmental Knowledge and Scientific Uncertainty: Exploring the Connections (1) (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Gregory Simon, University of Colorado Denver; Trevor Birkenholtz, University of Illinois at Urbana-Champaign

CHAIR: Trevor Birkenholtz, University of Illinois at Urbana-Champaign

8:00 Gregory Simon*, University of Colorado Denver; *Stealth unknown-knowns: The furtive context behind the knowledge curtain*

8:20 Jenny Goldstein*, Assistant Professor, Cornell University; *Turning Farmers into Arsonists: Unknown-knowns and Uncertainties of Fire Causality*

8:40 Katherine Clifford*, *The making of unnatural pollutants: The stealth 'Unknown Knowns' that shape regulatory monitoring*

9:00 Jennifer Baka*, Pennsylvania State University; *Seeing the Forest for the Trees: A Political-Industrial Ecology Analysis of Pennsylvania's Emerging Petrochemicals Industry*

9:20 Martha Bell*, Pontifical Catholic University of Peru; *Deflections and willful ignorance: water vulnerability, climate, and rapid urbanization in Lima, Peru*

Friday-036-8:00 a.m. Spatiotemporal Symposium: Natural Hazard Event Detection and Spatiotemporal Analytics (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Manzhu Yu, George Mason University

CHAIR: Manzhu Yu, George Mason University

8:00 Wanyun Shao*, Auburn University at Montgomery; Barry Keim, Professor, Louisiana State University; Siyuan Xian, Princeton University; *Flood Hazards and Perceptions - A Comparative Study of Two Cities in Alabama*

8:20 Yasin Wahid Rabby*, University of Tennessee; Yingkui Li, University of Tennessee, Knoxville; *Landslide Susceptibility Map of Rangmati Municipality, Bangladesh, investigated using Three Sampling Strategies in the Multivariate Logistic Regression Model*

8:40 Rubayet Mostafiz*, Louisiana State University; Carol J. Friedland, Associate Professor, Bert Turner Department of Construction Management, Louisiana State University; Robert V. Rohli, Professor, Department of Oceanography & Coastal Sciences, Louisiana State University; Melanie Gall, Co-Director and Research Professor, Center for Emergency Management and Homeland Security, Arizona State University; Joshua M. Gilliland, Instructor, Department of Geography, Geology, and the Environment, Slippery Rock University; *Assessing Risk of Atmospheric Natural Hazards at the Census Block Level*

9:00 Larry Stanislawski*, USGS - CEGIS; Tyler Brockmeyer, USGS - CEGIS; Ethan Shavers, USGS - CEGIS; Barbara P. Battenfield, University of Colorado-Boulder; Barry J. Kronenfeld, Eastern Illinois University; *Geomorphic Classification to Support Hydrographic Feature Extraction*

9:20 Yinan He*, University of North Carolina - Charlotte; Gang Chen, University of North Carolina - Charlotte; *Assessing the effects of fire, disease and climate on forest dynamics using multi-sensor remote sensing*

Friday-037-8:00 a.m. Tourism and Degrowth (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Robert Fletcher, Wageningen University; ASUNCION BLANCO-ROMERO, Universidad Aut6noma De Barcelona; Macià Blázquez-Salom, Balearic Islands University

CHAIR: ASUNCION BLANCO-ROMERO, Universidad Aut6noma De Barcelona

8:00 Robert Fletcher*, Wageningen University; *Tourism and Degrowth: Impossibility Theorem or Post-Capitalist Alternative?*

8:15 ASUNCION BLANCO-ROMERO*, Universidad Aut6noma De Barcelona; Macià Blázquez-Salom, Universitat de les Illes Balears; *Barcelona, Housing Rent Bubble in a Tourist City*

8:30 Macià Blázquez-Salom*, Universitat de les Illes Balears; Asunción Blanco-Romero, Universitat Aut6noma de Barcelona; Ivan Murray, Universitat de les Illes Balears; Jaume Gual, Universitat de les Illes Balears; *Tourist Gentrification of retail shops in Palma (Majorca, Spain)*

FRIDAY, April 5 • 8:00 AM - 9:40 AM

- 8:45** Angela Hof*, University of Salzburg; Karolin Kautzschmann, Leibniz Universität Hannover, Institute of Economic- and Cultural Geography, Germany; Christian Smigiel, University of Salzburg, Department of Geography and Geology; *Discursive framing of degrowth in urban tourism and its contradictions – case study of short-term rentals in Salzburg, Austria*
- 9:00** Elizabeth Auclair*, Cergy Pontoise University; *Alternative pathways for socially sustainable tourism: the renovation of traditional places in Porto Novo (Benin)*
- 9:15** Szilvia Gyimothy*, Mauro Ferrante, University of Palermo; Stefano De Cantis, University of Palermo; *Expanding the beaten track: mapping and nudging cruise tourism mobility in the city*
- 9:30 Discussant(s):** Macià Blázquez-Salom, Balearic Islands University

Friday-038-8:00 a.m. Messy Infrastructure, Digital Labor, and the Everyday City I: Labor and Practices (Sponsored by Urban Geography Specialty Group, Digital Geographies Specialty Group)

- Room: Washington 3, Marriott, Exhibition Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): John Stehlin, University of Manchester; Will Payne, University of California - Berkeley
CHAIR: Will Payne, University of California - Berkeley
- 8:00** Ian Spangler*, UNIVERSITY OF KENTUCKY; *“One More Way To Sell New Orleans”: Airbnb and the Commodification of Authenticity Through Local Emotional Labor*
- 8:20** Do Lee*, Queens College; *E-Legality: Tech Companies, Immigrant Delivery Workers, and Electric Micro-Mobilities*
- 8:40** Carolyn Prouse*, Queen’s University; *Socially reproducing South African cities through infrastructures of donor human milk*
- 9:00** John Stehlin*, University of Manchester; Will Payne, University of California, Berkeley; *“Meso-level” infrastructures and uneven development: bicycle sharing systems and “already-splintered” urbanism*
- 9:20 Discussant(s):** Sarah Barns, Dr., University of Western Sydney

Friday-039-8:00 a.m. Teaching Geography: Reports from Around The World (Sponsored by Geography Education Specialty Group)

- Room: Washington 4, Marriott, Exhibition Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): Jonathan Wessell, Grand Valley State University; Mary Curtis, University of Texas at Arlington
CHAIR: Mary Curtis, University of Texas at Arlington
- 8:00** Vit Pászto*, Palacký University Olomouc and Moravian Business College Olomouc, Czech Republic; Jiří Pánek, Palacký University Olomouc; Jarmila Zimmermannová, Moravian Business College Olomouc; Jaroslav Burian, Palacký University Olomouc; Karel Macků, Palacký University Olomouc; *Spatonomy: teaching spatial economy in geography in higher education*

- 8:20** Michelle Brym*, University of Central Oklahoma; Shannon Hall, University of Central Oklahoma; *Food, Animals, Poverty: The Influence of Stereotypes and Mindfulness on Student Openness to Studying Sustainable Development in Multiple World Regions*
- 8:40** Gina Bloodworth*, Salisbury University; *Geography concepts embedded within Accessibility*

Friday-040-8:00 a.m. W3_6 Collecting, Mapping, and Analyzing Field Data with Esri Field Apps (Sponsored by Esri)

- Room: Washington 5, Marriott, Exhibition Level (Workshop)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): The American Association of Geographers
CHAIR:

Friday-041-8:00 a.m. GeoAI and Deep Learning Symposium: Big data and GeoAI for Natural Hazards (Sponsored by Cyberinfrastructure Specialty Group)

- Room: Washington 6, Marriott, Exhibition Level (Paper)
Time: 8:00 a.m. - 9:40 a.m.
ORGANIZER(S): Qunying Huang, University of Wisconsin - Madison; Zhenlong Li, University of South Carolina; Xinyue Ye, New Jersey Institute of Technology
CHAIR: Qunying Huang, University of Wisconsin - Madison
- 8:00** Brady Woods*, University of Maryland - College Park; Kathleen Stewart, PhD, University of Maryland - College Park; *Region Approximation using Delaunay Filtration and Crowd-Sourced Data During a Natural Disaster*
- 8:20** Yuqin Jiang*, University of South Carolina; Zhenlong Li, University of South Carolina; *Analyzing Human Mobility Patterns during Hurricane Matthew Evacuation using Twitter*
- 8:40** Jingchao Yang*, George Mason University; Manzhou Yu, George Mason University; Han Qin, Ankura Consulting Group; Mingyue Lu, Nanjing University of Information Engineering; Chaowei Yang, George Mason University; *A Twitter Data Credibility Schema Framework - Hurricane Harvey as a Use Case*
- 9:00** Arif Masrur*, Pennsylvania State University; *Human-in-the-loop Machine Learning Framework for Discovering Interesting Association Patterns in Space-Time Big Data*
- 9:20** Qunying Huang*, Assistant Professor, University of Wisconsin - Madison; *Real Time Situational Awareness Information Extraction and Exploration from Social Media*

FRIDAY April 5 • 8:00 AM - 9:40 AM • Poster Sessions

Friday-043.1-8:00 a.m. Cyber- infrastructure:

Innovations, Practices, and Beyond (Sponsored by Cyberinfrastructure Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Minrui Zheng, University of North Carolina - Charlotte; Dandong Yin, University of Illinois

001 Poster(s) Avipsa Roy*, Trisalyn Nelson, Arizona State University; Stewart Fotheringham, Arizona State University; Meghan Winters, Simon Fraser University; *Correcting Bias in Crowdsourced Data to Map Bicycle Ridership of All Bicyclists*

002 Poster(s) Kelli Fika*, University of North Dakota; Mbongowo J. Mbuh, University of North Dakota; *Creating an Operations Dashboard for Smart City Management of Emergency Services in Grand Forks, North Dakota*

003 Poster(s) HAIHONG HUANG*, San Diego State University; *Development and Evaluation of HealthWebMapper: A Web-based User-friendly Geovisualization Tool for Cancer Disparities*

004 Poster(s) Chintamani Kandel*, USGS Virginia and West Virginia Water Science Center; Samuel H. Austin, USGS Virginia and West Virginia Water Science Center; David L. Nelms, USGS Virginia and West Virginia Water Science Center; Jennifer Lynn Rapp, USGS Virginia and West Virginia Water Science Center; *Web Application to Report Future Drought Streamflow Probabilities*

005 Poster(s) Weiming Huang*, Lund University; Khashayar Kazemzadeh, Lund University; Lars Harrie, Lund University; *Towards knowledge-based geospatial data integration and visualization: a case study of visualizing bicycling level-of-traffic-stress*

006 Poster(s) Xicheng Tan*, Wuhan University; Ziheng Sun, Center for Spatial Information Science and Systems, George Mason University, Fairfax, VA 22030, USA; *Distributed Geoscience Model Integration Based on Open Geospatial Webservice Specifications*

007 Poster(s) Chen Zhang*, George Mason University; Liping Di, George Mason University; Li Lin, George Mason University; *Development of Google Earth Engine-based Cyberinfrastructure to Support In-season Crop Mapping and Analysis*

008 Poster(s) Michael Page*, Emory University; Anthony Martin, Emory University; Steve Bransford, Emory University; Anandi Knuppel, Emory University; *Georgia Coast Atlas*

009 Poster(s) Haoteng Zhao*, George Mason University; *A Web-based Visualization Tool for Gunshots Data in Washington D.C. 2014-2017*

010 Poster(s) Kristin Thorpe*, Shippensburg University; Alfonso Yáñez Morillo, Center for Land Use and Sustainability; Jonathon Chester, Penn State University; Carla Hauser Hahn, National Park Service; Jennifer Claster, National Park Service; Antonia Price, Center for Land Use and Sustainability; Claire Jantz, Shippensburg University; *Development of a Web-based Geographic Information System to Support Project Review and Resource Management within the Upper Delaware Scenic and Recreational River Corridor*

011 Poster(s) Marcelo Rosensaft*, Geological Survey of Israel; Shmuel Hoyland, Geological Survey of Israel;

From paper to the net: New technologies for publishing maps as web applications

012 Poster(s) Jess Sullivan*, Plymouth State University; Hyun Joong Kim, Phd, Plymouth State University; Beth Gustafson Wheeler, Foundation for Healthy Communities, New Hampshire; Lelia Mellen, National Park Service; Cindy Heath, GP RED; *Web GIS: Telling stories, solving problems*

013 Poster(s) Ta-Chien Chan*, Center for Geographic Information Science, Research Center for Humanities and Social Sciences, Academia Sinica, Taipei, Taiwan; Tzu-Yu Lin, Center for Geographic Information Science, Research Center for Humanities and Social Sciences, Academia Sinica, Taipei, Taiwan; *Understanding human behavior from aggregated smartphone signals and land use information*

014 Poster(s) Nathan McKinney*, University of Tennessee; *Feature Extraction and Classification of Single-Sensor LiDAR Data Using Machine Learning*

015 Poster(s) YEN-HUI TSAI*, Department of Geography, Chinese Culture University; CHIH-YUAN CHEN, Department of Geography, Chinese Culture University; *Machine Learning and Spatial analysis Methods of Pitcher's Pitching Strategy*

016 Poster(s) Susan Lyon*, United States Army Engineer Research & Development Center; *Modeling Aedes Albopictus Distribution Using A Maximum Entropy Approach With Mixed Natural And Social Datasets*

017 Poster(s) Antoine Nzeyimana*, University of Oregon; *Representation learning from geospatial data*

018 Poster(s) Tian Wen*, SUNY - Buffalo; Ling Bian, SUNY - Buffalo; *Towards real-time influenza surveillance: exploiting twitter data*

019 Poster(s) ZIHAO WU*, GS; *Traffic Sign Detection and Extraction with GIS, GPS, and Machine Learning*

020 Poster(s) Eli Egan-Anderson*, University of Connecticut; William B. Ouimet, Ph.D, University of Connecticut; Chandi Witharana, Ph.D, University of Connecticut; *Mapping Historic Land Use Features in the northeast US using Deep Learning Convolutional Neural Networks and LIDAR data*

021 Poster(s) Shaobo Zhong*, Beijing Research Center of Urban Systems Engineering; Zhanya Xu, Faculty of Information Engineering, China University of Geosciences, China; Liping Di, CSISS, George Mason University; Ziheng Sun, CSISS, George Mason University; Genong Yu, CSISS, George Mason University; *Predicting vegetative drought using deep learning neural networks*

022 Poster(s) Philip Orlando*, Linda George, PhD, Portland State University; Vivek Shandas, PhD, Portland State University; Meenakshi Rao, PhD, Portland State University; *A Random Forest approach for predicting temporal-spatial exposures of fine particulate matter with calibrated low-cost sensor networks and GIS predictors.*

023 Poster(s) Jia-Huei Chen*, Department of Geography, National Taiwan Normal University; Kuo-Chen Chang, Department of Geography, National Taiwan Normal University; *The Data Accuracy Calibration of Fine Particulate Matter – A Case Study of Airboxes in Taipei*

FRIDAY, April 5 • 8:00 AM - 9:40 AM • Poster Sessions

Friday-043.2-8:00 a.m. GEOINT in Practice (Sponsored by Careers and Professional Development)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Toomey, National Geospatial Intelligence Agency; Zachary Jones, National Geospatial-Intelligence Agency; Monica Hoffman, NSA

002 Poster(s) Sofia McCarthy*, *Violent Conflict and Land Cover Change in the North Kivu Province of the DRC*

003 Poster(s) Kwame Adovor*, University of Minnesota; *High Dreams and Disrupted Modernity: The Story of Ghana's Bui Hydrodam*

004 Poster(s) Austin Swift*, University of Miami; *Terrorism in Burkina Faso: The New Normal?*

005 Poster(s) Hannah Rosenblum*, U.S. Bureau Of the Census; *Remote sensing of rural populations: a case study of South Sudan*

006 Poster(s) Abigail Smith*, University of North Alabama; *Mapping Populations at Greater Risk of Malaria Due to Hydroelectric Dams in Ethiopia: A Case Study of the Gilgel Gibe III Hydroelectric Dam*

007 Poster(s) Hannah Palko*, University of North Carolina - Charlotte; *Reverse Electrodialysis in North Carolina: Is natural salinity gradient conducive to renewable power plant siting?*

008 Poster(s) Madeline Wolters*, Rochester Institute of Technology; Alexandra Leader, Rochester Institute of Technology; Brian Tomaszewski, PhD, Rochester Institute of Technology; *A sub-National Investigation of the Geographic Information Capacity (GIC) Profile for Disaster Risk Reduction (DRR)*

009 Poster(s) James Coll*, *FOSSFlood: Free and Open Source Software for Harnessing the Potential of the National Water Model*

0010 Poster(s) Chase Womack*, University of North Alabama; *China's Rise and the World's Response: How is Chinese Expansion Portrayed in Media?*

011 Poster(s) Amanda Barclay*, Indiana University Of Pennsylvania; *Zaatari Refugee Camp and Land Use Cover Change*

012 Poster(s) Chris Clasen, National Geospatial Intelligence Agency; Eliza Bradley*, Pennsylvania State University; Robert Fraleigh, Pennsylvania State University; Shawn Hough, Pennsylvania State University; Amber Davis, Pennsylvania State University; Patrick Yuen, National Geospatial Intelligence Agency; Kateri Garcia, National Geospatial Intelligence Agency; *Navigating Information Landscapes with D3-based Web Apps*

013 Poster(s) Michael Toomey*, National Geospatial Intelligence Agency; *Towards the development of a near real time lake and reservoir monitoring system*

014 Poster(s) Zachary Mostowsky*, NT Concepts; Micah Brachman*, University of Maryland; Ian Jones, BlackSky; *The Geo-Atom for GEOINT: A Network Science Application*

015 Poster(s) Christopher Benson*, US Air Force Academy; *Teaching Geography through Military Doctrine*

016 Poster(s) Alison Carisio*, *NGA's Maritime Safety Office Moves Production to the Unclassified Cloud: Enterprise Engine - Notice to Mariners (E2-NtM)*

017 Poster(s) Michael B. Brady*, Ph.D., National Geospatial-Intelligence Agency; Lynn Albin, National Geospatial-Intelligence Agency; Paul Barnes, Naval Research

Lab; Tim Cox, Naval Research Lab; *Advancing Geospatial Intelligence in Support of Maritime Domain Awareness: Correlating Spaceborne Synthetic Aperture Radar Imagery with the Automatic Identification System to Improve Ship Detection*

018 Poster(s) Brooks Breece*, National Geospatial-Intelligence Agency; Benjamin Foster, National Geospatial-Intelligence Agency; *Python Party: Cultivating a Network of Geospatial Analyst Coders in the Intelligence Community*

019 Poster(s) Angelique Garcia*, National Geospatial Intelligence Agency; *An overview of the World Magnetic Model and the MagQuest Challenge*

020 Poster(s) Rieley Auger*, University of Maryland; *Water Resources Influence on Civil Conflict: Syrian Case Study*

021 Poster(s) Jacqueline Hunke*, U.S. Army Geospatial Center; *Using Historical Photo Analysis to Identify Potential Environmental Concerns*

022 Poster(s) Adam Kohl*, University of West Florida; Zhiyong Hu, Dr., Mentor; *Identifying a positive correlation between 2015 VIIRS NTL data and GDP data using sub-categories of GDP in Alabama, Georgia, Florida, North Carolina, South Carolina, and Tennessee MSAs*

Friday-043.4-8:00 a.m. General Geomorphology Poster Session (Sponsored by Geomorphology Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jennifer Burnham, Augustana College; J. Michael Daniels, University of Denver

002 Poster(s) Scott Lecce*, East Carolina University; Richard Marston, Department of Geography, Kansas State University, USA; Takashi Oguchi, Center for Spatial Information Science, University of Tokyo, Japan; Markus Stoffel, Institute for Environmental Sciences, University of Geneva, Switzerland; *34 Years of Publishing in Geomorphology*

003 Poster(s) Melissa Swanson*, Minnesota State University; Kira Kuehl*, Minnesota State University; Rainier Bergstrom-Conley, Minnesota State University; Jason Millett, Minnesota State University; Andrew Wickert, PhD, University of Minnesota; Carrie Jennings, PhD, Freshwater Society; Mark Bowen, PhD, Minnesota State University; Phillip Larson, PhD, Minnesota State University; Karen Gran, PhD, University of Minnesota - Duluth; *Revisiting the post-glacial landscape evolution of the Minnesota River valley: Preliminary Results*

004 Poster(s) Michael Applegarth*, Shippensburg University; *Arroyo Morphology in Organ Pipe Cactus National Monument*

005 Poster(s) Dan Royall*, UNC-Greensboro; *Urban riparian regolith characteristics in a southern Piedmont watershed*

006 Poster(s) Dion Webster*, *Determining flow conditions for the activation of subchannels in an anastomosing river or Texas*

007 Poster(s) Yair Torres*, Texas A&M University; Inci Gunalp, Texas A&M University; *Detecting localized variations in three-dimensional flow structure using the Velocity Mapping Toolbox and ADCP technology*

008 Poster(s) Courtney R. Guidry*, Texas A&M University; Inci Gunalp, Dr., Texas A&M University; Cesar R.

FRIDAY April 5 • 8:00 AM - 9:40 AM • Poster Sessions

- Castillo, Texas A&M University; *Longitudinal and Lateral Gradients of Soil Hydraulic Conductivity in a Coastal Lowland Watershed*
- 009 Poster(s)** Emma Leppard*, Texas A&M University; Jennifer Avila*, Texas A&M University; Courtney Guidry, Texas A&M University; Cesar Castillo, Texas A&M University; Inci Guneralp, Texas A&M University; *Field-based data loggers for monitoring inundation intermittency and floodplain connectivity on small urban streams*
- 0010 Poster(s)** Lynn Resler*, Virginia Tech; Helen White, Virginia Tech; *Coupled topographic and vegetation interactions in three mountain environments: A conceptual framework for predicting future pattern/process dynamics*
- 0011 Poster(s)** Mark Bowen*, Assistant Professor, Minnesota State University, Mankato; Matthew H. Connolly, Ph.D., Department of Geography, University of Central Arkansas; Toby Dogwiler, Ph.D., Department of Geography, Geology, and Planning, Missouri State University; Robert T. Pavlowsky, Ph.D., Department of Geography, Geology, and Planning, Missouri State University; Brianna Beseler, University of Wisconsin Oshkosh; *Geomorphic Assessment of a Coastal Montane River in Southwest Jamaica*
- 0012 Poster(s)** Yingkui Li*, University of Tennessee; *How accurate a topography can be reconstructed using unmanned aircraft system and structure from motion?*
- 0013 Poster(s)** Adria Slade*, University of Wisconsin - Eau Claire; Nicole Marcou, University of Wisconsin-Eau Claire; Garry Running, University of Wisconsin-Eau Claire; Douglas Faulkner, University of Wisconsin-Eau Claire; *Mapping Post-Glacial Terraces in the Lower Cannon River Valley, southeastern Minnesota: Geomorphic and Archaeological Significance*
- 0014 Poster(s)** Xiwei Guo*, Syracuse University; Peng Gao, Syracuse University; *Morphological characteristics of an alpine highly-sinuuous meandering river in Qinghai-Tibet Plateau, China*
- 0015 Poster(s)** Nicole Marcou, University of Wisconsin-Eau Claire, Department of Geography and Anthropology; Adria Slade, University of Wisconsin-Eau Claire, Department of Geography and Anthropology; Ricky Mataitis, Minnesota State University, Mankato, Department of Geography, AGES Laboratory; Jason Millett, Minnesota State University, Mankato, Department of Geography, AGES Laboratory; Phillip H. Larson, Minnesota State University-Mankato, Department of Geography, AGES Laboratory, Earth Science Programs; Douglas Faulkner, University of Wisconsin-Eau Claire, Department of Geography and Anthropology; Randy Schaetzl, Michigan State University, Geography, Environment and Spatial Sciences; Mark Bowen, Minnesota State University, Mankato, Department of Geography, AGES Laboratory, Earth Science Programs; Garry Running*, University Of Wisconsin, Eau Claire, Department of Geography and Anthropology; *Sand Stringers in southeastern Minnesota and west-central Wisconsin: A Progress Report*
- 0016 Poster(s)** Brandon Bailey*, University of Denver; *Rock Glacier Development and Evolution in Colorado*
- 0017 Poster(s)** Christy Attaway*, Inci Guneralp, Texas A&M University; Cesar R Castillo, Texas A&M University; Anthony Filippi, Texas A&M University; *Influence of Environmental Factors on Hurricane Harvey Tree Blowdowns in a Coastal Floodplain*
- 0018 Poster(s)** Billy Hales*, Texas A&M University; Inci Guneralp, Texas A&M University; *Developing a framework for structured sensitivity analysis of biophysical factors in a long-term meander evolution model*
- 0019 Poster(s)** Andrew Vanderheiden*, Texas A&M University; Nicole Hernandez*, Texas A&M University; Haoyan Chen*, Texas A&M University; Billy Hales, Texas A&M University; Cesar Castillo, Texas A&M University; *Comparison of geomorphometric approaches for extracting channel dimensions of meandering rivers*
- 0020 Poster(s)** Dongshuo Lu, Texas A&M University; Mengqu Han*, Texas A&M University; Anthony Filippi, Texas A&M University; Inci Guneralp, Texas A&M University; *Analyzing Flood Inundation Patterns of a Coastal River in Texas using Landsat Data*
- 0021 Poster(s)** Logan J Bergevin*, University of Wisconsin - Eau Claire; Harry Jol, University of Wisconsin-Eau Claire; Joseph D Beck, University of Wisconsin-Eau Claire; Michal Artzy, Hatter Lab., Leon Recanati Institute for Maritime Studies, University of Haifa; Gloria I López, Centro De Investigación sobre la Evolución Humana; *Examining Ancient Coastlines and Archeological Features at Tel Akko, Israel: Using 3D ground penetrating radar imaging*
- 0022 Poster(s)** Robert Sorrells*, University of Georgia; David Leigh, Professor, University of Georgia, Department of Geography; *Calculating Bank Erosion via Structure From Motion in Lilly Branch Watershed, GA*
- 0023 Poster(s)** J. Michael Daniels*, University of Denver; Jaromir Benes, University of Southern Bohemia; Kristina Janeckova, Czech University of Life Sciences; Josef Krasa, Czech Technical University; Tomas Matys Grygar, Czech Academy of Sciences; Petr Sklenicka, Czech University of Life Sciences; *Geomorphologic effects of agricultural landscape change in central Europe during the high Medieval era*
- 0024 Poster(s)** Daniel Ciarletta*, Montclair State University; Mathew Sandefur, Montclair State University; Christopher Tenebruso, Montclair State University; Jorge Lorenzo-Trueba, Montclair State University; *Coupled Mapping and Modeling Approach to Quantify Historical Sediment Fluxes at Sandy Hook, New Jersey*
- 0025 Poster(s)** Paul Hudson*, Leiden University; *Natural levee morphology of islands along the engineered Lower Mississippi River: A spatial-temporal comparison*
- 0026 Poster(s)** Josh Galster*, Montclair State University; *The demographics of stream restoration locations*
- 0027 Poster(s)** William Ouimet*, University of Connecticut; Katharine M. Johnson, Earth Resources Technology Inc., NOAA National Centers for Environmental Information, Asheville, NC 28803; *The Historic Land Use Initiative (HILI): Mapping and investigating the extent and legacy of 300+ years of land use changes in the northeast US following European settlement*
- 0028 Poster(s)** Amobichukwu Chukwudi Amanambu*, University of Florida; *Towards the Development of a New Erosivity Equation*
- 0029 Poster(s)** Kevin Mulligan*, Texas Tech University; Fahad A. Almutlaq, King Saud University; *Using the Global Ensemble Forecast System (GEFS) Reanalysis to Map Pathways of Sand Transport in the Rub' al Khali*

FRIDAY, April 5 • 8:00 AM - 9:40 AM • Poster Sessions

- 030 Poster(s)** Hannah Gnoza*, University of Colorado Denver; Anne Chin, University of Colorado Denver; Anna P. Solverson, University of Colorado Denver; Samantha M. Sellers, University of Colorado Denver; Linda S. O'Hirok, California State University Channel Islands; *Changes in sediment characteristics in step-pool streams after wildfire*
- 031 Poster(s)** Jean Dixon, Ph.D., Montana State University; Kailey Adams*, Montana State University; Dave McWethy, Ph.D., Montana State University; *Geomorphic impacts of coarse woody debris within a recently burned mountainous hillslope*
- 032 Poster(s)** Anne Chin*, University of Colorado Denver; Alison P. O'Dowd, Humboldt State University; Patina K. Mendez, University of California; Roger Leventhal, FarWest Restoration Engineering; Laura R. Laurencio, Texas A&M University; *Integrating natural approaches in river restoration: experiments of co-evolving physical and biological organization in Wildcat Creek, California*
- 033 Poster(s)** Kat Tregaskis*, University of North Carolina - Wilmington; Eman Ghoneim, PhD, University of North Carolina - Wilmington; Lynn Leonard, PhD, University of North Carolina - Wilmington; Joseph Long, PhD, University of North Carolina - Wilmington; Andrea Hawkes, PhD, University of North Carolina - Wilmington; Devon Eulie, PhD, University of North Carolina - Wilmington; Jeffery Canaday, University of North Carolina - Wilmington; *Integration of Satellite and Unmanned Aerial Vehicle Imagery to Assess Geomorphological Response to Hurricane Florence on Northern Masonboro Island, NC*
- 034 Poster(s)** Kayla Coonen*, Ozarks Environmental and Water Resources Institute; *Bank erosion assessment using historical aerial photography and LiDAR in a Missouri Ozarks watershed*
- 035 Poster(s)** Rachel Lombardi*, University of Alabama - Tuscaloosa, AL; Lisa Davis, Ph.D., University of Alabama; Gary Stinchcomb, Ph.D., Murray State University; Lance Stewart, Murray State University; Matt Therrell, Ph.D., University of Alabama; Samuel Munoz, Ph.D., Northeastern University; *A regional synthesis of fluvial activity in major river basins of the eastern U.S. during the Holocene*
- 036 Poster(s)** Carol Sawyer*, Associate Professor, University of South Alabama; *Frost Heaving in the Alpine Ecotone: Observations from Two Mountain Environments*
- 037 Poster(s)** Paul Vincent*, Valdosta State University; *Analysis of the Stability of Sandstone Blocks in the Boston Mountains*
- 038 Poster(s)** Ali Alruzuq*, *Mapping the Extent of Inundation Events in Floodplains for the Middle Mississippi River Watershed using a Hydraulic Model in Geographic Information System*
- 039 Poster(s)** Dongying Wei*, *International Journal of Geoheritage and Parks*
- 001 Poster(s)** Yuzhu Zang*, *Land Use Pattern Change and its Topographic Gradient Effect in Mountainous County —Case study of Jinggangshan city*
- 002 Poster(s)** Clayton Whitesides*, Coastal Carolina University; *The effect of summit registers in the southern Appalachians*
- 003 Poster(s)** Junli Li*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Timothy Warner, Department of Geology and Geography, West Virginia University; *A New Scheme of Time Series Glacial Lake Mapping for Outburst Flood Monitoring in the West Tianshan Mountains*
- 004 Poster(s)** Heidi Gum*, West Virginia University; Jonathan C. Hall, PhD, West Virginia University; *Wild Food in West Virginia: The Foodways Footprint of Whitetail Deer in the Mountain State*
- 005 Poster(s)** Yanan Li*, Texas State University - San Marcos; *Glacier area and surface elevation changes in central Borohoro Range, northern Tian Shan in China*
- 006 Poster(s)** Lucas Brown*, *Hydrology and Terracing in the Monte Pallano area of Abruzzo, IT*
- 007 Poster(s)** Komal Preet Kaur*, Graduate Student, Kansas State University; Marcellus M. Caldas, Associate Professor, Kansas State University; *Outmigration inducing land use, land cover changes in Himalayan Uttarakhand, India*
- 008 Poster(s)** Ian Thompson*, *An Institutional Analysis of Glacial Floods and Disaster Risk Management in the Nepal Himalaya*
- 009 Poster(s)** Tracy Allen*, Interim Dean, School of Sciences, SUNY-Oneonta; *Why Tibetan Grasslands and Forests are in Rapid Decline*
- 010 Poster(s)** Liyuan Zuo*, *Analysis of the spatial trade-off relationship of ecosystem services in a typical karst peak-cluster depression basin*
- 011 Poster(s)** Claire Jantz*, Shippensburg University; Tyler Costlow, Shippensburg University; Tim Hawkins, PhD, Shippensburg University; Alfonso Yáñez Morillo, Center for Land Use and Sustainability; Patrick Jantz, Northern Arizona University; *Introducing a natural resource condition assessment of the Appalachian National Scenic Trail*
- 012 Poster(s)** Tashi Gurung*, 1991; *Tourism: Boon or Bain? An Institutional Analysis of Tourism as a Commons Resource in Upper Mustang Nepal.*
- 013 Poster(s)** Luke Winters*, University of Denver; *Appalachian Trail Resupplies*
- 014 Poster(s)** Anudeep Dewan*, University of Oregon; *The 'T'ea of Terroir: An Analysis of the Branding of Darjeeling Tea*
- 015 Poster(s)** Alton Byers*, University of Colorado At Boulder; *A Rockfall-Induced Glacial Lake Outburst Flood, Upper Barun Valley, Nepal*

Friday-043.5-8:00 a.m. Mountain Geography Specialty Group Poster Session (Sponsored by Mountain Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Clayton Whitesides, Coastal Carolina University; Lynn Resler, Virginia Tech

FRIDAY April 5 • 8:00 AM - 9:40 AM**Friday-047-8:00 a.m. Commuting and Travel Behavior
(Sponsored by Transportation Geography
Specialty Group)**

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Isabelle Nilsson, University of North Carolina - Charlotte - Charlotte, NC

CHAIR: Maryam Khabazi, University of North Carolina - Charlotte

8:00 Evelyn Blumenberg, PhD, University of California, Los Angeles; Hannah King*, University of California, Los Angeles; *Low-Income Workers, Residential Location, and the Changing Commute*

8:20 Sylvia Brady*, Metro State, University of Denver; *Public-private partnerships with public transit, local government agencies, and ridesourcing in Denver, CO*

8:40 Yutian Zeng*, East China Normal University; Na Ta, East China Normal University; *Does social environment effect activity-travel behavior in neighborhoods? A case study in Shanghai*

**Friday-048-8:00 a.m. Hazards, Risks, and Disasters 5
(Sponsored by Hazards, Risks, and Disasters
Specialty Group)**

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Brian Pompeii, Christopher Newport University

8:00 Scott Sheridan*, Professor, Kent State University; Cameron C Lee, Kent State University; *The early-season cold or heat wave: what are its impacts on human mortality?*

8:20 Connor Y.H. Wu*, Department of Geospatial Informatics, College of Arts and Sciences, Troy University; Benjamin F. Zaitchik, Department of Earth and Planetary Sciences, Zanvyl Krieger School of Arts & Sciences, Johns Hopkins University; Julia M. Gohlke, Department of Population Health Sciences, Virginia-Maryland College of Veterinary Medicine, Virginia Tech; *Heat waves and fatal traffic crashes in the continental United States*

8:40 Alisa L. Hass*, University of Tennessee, Knoxville; Kelsey N. Ellis, University of Tennessee, Knoxville; *Motivation for heat adaption: How perception and exposure affect individual behaviors during hot weather in Knoxville, Tennessee*

9:00 Jonah White*, Michigan State University; *Multivariate Analysis of Air Pollution Risk Exposure in the Seattle Region, 1990 to 2015*

9:20 Charles Kelly*, Independent Scholar; *Sand and Dust Storms: Low Profile Hazard, Emerging Disaster*

Friday-049-8:00 a.m. Land Use and Landscape

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Hubert Stroud, Arkansas State University

8:00 Jianhua He*, wuhan university; yan yu, Wuhan University of Technology; yanfang liu, wuhan university; wanxian zhan, wuhan university; *Prioritizing agricultural patches for reforestation to improve connectivity of habitat conservation areas: A guide to Grain-to-Green Project*

8:20 Charlotte Shade*, Villanova University; *Predicting land use changes in Philadelphia following green infrastructure policies*

8:40 Haotian Zhong*, Texas A&M University; Runzi Wang, Michigan State University; *Exploring the Driving Forces of Urban Infill and Fragmentation Development from 1990 to 2010 in the US*

9:00 Menglin Ou*, *Discussion on Land Resources Utilization and Development Technology*

9:20 Hubert Stroud*, Professor, Arkansas State University; *Land Use Legacies Linger*

**Friday-050-8:00 a.m. Geographies of Green Infrastructure I:
Green Nightmares (Sponsored by Urban Geography
Specialty Group, Climate Specialty Group, Cultural
and Political Ecology Specialty Group)**

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Marissa Matsler, Cary Institute; Zbigniew Grabowski, Portland State University; Sara Meerow, University of Michigan

CHAIR: Andrea Gerlak, University of Arizona

8:00 Introduction(s): Andrea Gerlak, Associate Professor, University of Arizona

8:05 Zbigniew Grabowski*, Portland State University; Peter Sigrist, Cary Institute of Ecosystem Studies; Timon McPhearson, The New School; Steward Pickett, Cary Institute of Ecosystem Studies; *Green Infrastructure as Universal Good? Comparing Equity in Green Infrastructure Planning in US Cities*

8:24 Jessica Miller*, Assistant Professor, Montclair State University; Archana Prasad*, Montclair State University; *Green Infrastructure Prioritization, Management, and Equity Implications*

8:43 Megan Heckert*, West Chester University; Christina Rosan, Temple University; Arthur McGarity, Swarthmore College; *Equity and Optimization in Green Infrastructure Planning*

9:02 Andrea Gerlak*, University of Arizona; Alison Elder*, University of Arizona; Emily Bell, University of California, Davis; Lena Berger, University of Arizona; Mitch Pavao-Zuckerman, University of Maryland, College Park; Drew Sanderford, University of Arizona; Adam Henry, University of Arizona; Gary Pivo, University of Arizona; Edna Liliana Gomez Fernandez, University of Arizona; *Green Infrastructure Adoption and Collaboration in Tucson, AZ*

9:21 Discussant(s): Michael Finewood, Assistant Professor of Environmental Studies and Science, Pace University

**Friday-051-8:00 a.m. W3_10 Writing from Qualitative Data:
an Advanced PhD Student Workshop**

Room: Johnson, Marriott, Mezzanine Level (Workshop)

Time: 8:00 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

**Friday-052-8:00 a.m. Climate Specialty Group Student
Paper Competition - Session I (Sponsored by
Climate Specialty Group)**

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jase Bernhardt, Hofstra University

FRIDAY, April 5 • 8:00 AM - 9:40 AM

CHAIR: Jase Bernhardt, Hofstra University

8:00 Erik Smith*, Kent State University; Scott Sheridan, PhD, Kent State University; *Analysis of Cold Air Outbreaks across the Globe*

8:20 Lori Wachowicz*, University of Georgia; Haylie Mikulak, University of Georgia; Kyle Mattingly, University of Georgia; Thomas Mote, University of Georgia; *Relationships between episodes of extreme atmospheric blocking, associated moisture transport, and surface mass balance of Greenland*

8:40 Nazla Bushra*, Department of Oceanography & Coastal Sciences, College of the Coast and Environment, Louisiana State University; Robert V. Rohli, Department of Oceanography & Coastal Sciences, College of the Coast and Environment, Louisiana State University; *A GIS-Intensive Iterative Procedure for Delineating the Tropospheric Circumpolar Vortex*

9:00 Bradley Barger*, Texas A&M University; Oliver Frauenfeld, Professor, Texas A&M University; *Local and Remote Drivers of Cyclones in Baffin Bay & Davis Strait*

Friday-053-8:00 a.m. Author Meets Critics: Jesse Goldstein's Planetary Improvement

Room: Marshall West, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Elizabeth Johnson, University of Durham; Christian Anderson, University of Washington Bothell

CHAIR: Christian Anderson, University of Washington Bothell

Introduction(s): Elizabeth Johnson, University of Durham

Panelist(s): Scott Prudham, Professor, University of Toronto; Becky Mansfield, The Ohio State University; Natalia Perez, Mrs. Simon Fraser University; Julia Corwin, University of Minnesota - Minneapolis; Shiloh Krupar, Provost's Distinguished Associate Professor, Georgetown University

Friday-054-8:00 a.m. Nutrient Geographies in the Anthropocene (Sponsored by Geographies of Food and Agriculture Specialty Group, Biogeography Specialty Group, Human Dimensions of Global Change Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Russell Hedberg, Shippensburg University; Erica Smithwick

CHAIR: Russell Hedberg, Shippensburg University

8:00 Zachary Caple*, *An Historical Nutrient Geography of the Lake Okeechobee Watershed*

8:20 Erica Smithwick*, The Pennsylvania State University; *Nutrient Flows in the Landscape*

8:40 Marnie Riddle*, University of California - Santa Cruz; *Litigation as an Anthropocene Response to Resource Conflict*

9:00 Brenden McNeil*, West Virginia University; *Anthropocene, Gaia, Chthulucene: Foliar and dendroisotopic data support a more-than-human theory of the earth system*

9:20 Russell Hedberg*, Shippensburg University; Bryan Pearson, Shippensburg University; *Land-use legacies, capitalist contamination, and possible phosphorus futures in New York State*

Friday-055-8:00 a.m. Advances in Computational

Approaches for Geospatial Health Applications I (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alexander Hohl, Utica College; Michael Desjardins, University of North Carolina - Charlotte; Claudio Owusu, University of North Carolina - Charlotte

CHAIR: Alexander Hohl, Utica College

8:00 Yan Lin*, PhD, Department of Geography & Environmental Studies, University of New Mexico; Sagert Sheets, MS, Mid-Region Metropolitan Planning Organization, Mid-Region Council of Governments (New Mexico); Angela Davies, Department of Geography & Environmental Studies, University of New Mexico; *Uncertainties in measuring spatial access to health care*

8:20 David Haynes*, University of Minnesota; *Using GIS to Model Utilization of Breast Cancer Screening Services in Minnesota, 2010-2015*

8:40 Kevin Matthews*, PhD, Centers for Disease Control and Prevention; *Estimating spatially varying distance decay parameters in health care spatial accessibility studies*

9:00 Yuwen Sui*, *Measuring the disparity of spatial accessibility to hospital in Beijing with multiple transportation modes*

9:20 Discussant(s): Fahui Wang, Professor, Louisiana State University

Friday-056-8:00 a.m. Place and Mental Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Wei Tu, Georgia Southern University

8:00 Michaela Harris*, Victoria University; *Mama didn't say there would be days like these*

8:20 Adam Kalkstein*, United States Military Academy; Miloslav Belorid, National Institute of Meteorological Sciences, South Korea; P. Grady Dixon, Fort Hays State University; Kyu Rang Kim, National Institute of Meteorological Sciences, South Korea; Keith Bremer, Fort Hays State University; *Seasonal Variations in Temperature-Suicide Associations Across South Korea*

8:40 John Boateng*, University of Ghana; Boadi Agyekum, University of Ghana; Joyce Boateng, University of Ghana; Dominic Kwadwo Afful, University of Ghana; *Sense of Place and Mental Wellness of Visible Minority Immigrants in Hamilton, Ontario: Revelations from Key Informants*

9:00 Gergo Baranyi*, Jamie Pearce, Centre for Research on Environment, Society and Health (CRESH), School of GeoSciences, University of Edinburgh; Chris Dibben, Centre for Research on Environment, Society and Health (CRESH), School of GeoSciences, University of Edinburgh; Sarah Curtis, Geography Department, Durham University and Centre for Research on Environment, Society and Health (CRESH), School of

FRIDAY April 5 • 8:00 AM - 9:40 AM

GeoSciences, University of Edinburgh; *Neighbourhood deprivation, local crime and prescription for mental health problems in Scotland*

- 9:20** Wei Tu*, Professor of Geography, Department of Geology and Geography, Georgia Southern University; Weifeng Wang, Ph.D. Candidate, Department of Statistics, University of Georgia; Liang Liu, Associate Professor, Department of Statistics, University of Georgia; Hoehun Ha, Assistant Professor of GIS, Department of Biology and Environmental Science, Auburn University at Montgomery; *How much does statewide gun ownership impact county-level suicide rate in the United States?*

- 8:40** Sarah Praskievicz*, University of North Carolina at Greensboro; *Assessment of flow-ecology relationships for determining environmental instream flow standards: A meta-analysis focused on the Southeastern United States*

- 9:00** Helenmary M Hotz*, University of Massachusetts Boston; David A Merwin, Framingham State University; Alan D Christian, University of Massachusetts Boston; *Spatiotemporal Analysis of Global Drivers in a Tropical Watershed: Etang Saumatre, Haiti*

- 9:20** Aondover Tarhule*, SUNY Binghamton; *+50 Years of Terrestrial Water Storage Variability in Africa's Transboundary Waters*

Friday-057-8:00 a.m. Conditions Impacting Healthcare Access

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Wenjie Lai

- 8:00** Tiina Huotari*, University of Oulu, Geography Research Unit; Harri Antikainen, University of Oulu, Geography Research Unit; Ossi Kotavaara, University of Oulu, Geography Research Unit; Jarmo Rusanen, University of Oulu, Geography Research Unit; *Accessibility of health services in Finland: Producing information and analysis for policy-makers*

- 8:20** Kyunghee Rhyu*, The University of Texas at Dallas; Yongwan Chun, The University of Texas at Dallas; Jungyeop Shin, Seoul National University; *Spatial Accessibility of the Day and Night Care Services in the Seoul Metropolitan Area*

- 8:40** Fangye Du*, Jiaoe Wang, advisor; *Comparative day/night analysis of hospital accessibility based on transportation behavior*

- 9:00** Dave Grolling*, MPSGIS, American Academy of Family Physicians; Jennifer Rankin, PhD, American Academy of Family Physicians; Jené Grandmont, MA, American Academy of Family Physicians; *Leveraging GIS to Explore the Healthcare Workforce*

- 9:20** Wenjie Lai*, East China Normal University; Jun Wang, East China Normal University; *Spatial accessibility and equality of emergency medical service in the city center of Shanghai, China*

Friday-058-8:00 a.m. Water and Modeling

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Aondover Tarhule, SUNY Binghamton

- 8:00** Xiaoyong Xu*, Steven Frey, Aquanty Inc., Waterloo, ON, Canada; Graham Stonebridge, Aquanty Inc., Waterloo, ON, Canada; Omar Khader, Aquanty Inc., Waterloo, ON, Canada; Edward Sudicky, Aquanty Inc., Waterloo, ON, Canada; *Real-time watershed-scale hydrologic probabilistic forecasting with an integrated groundwater - surface water model*

- 8:20** Pa Zong Vang*, University of Wisconsin - Eau Claire; Cyril Wilson, University of Wisconsin-Eau Claire; *Modeling the influence of land use/land cover change on surface water quality in the Lower Mekong River Watershed, Cambodia*

Friday-060-8:00 a.m. Landscape Forensics 2.0 | Part 1: Introduction + Exploring the notion of a landscape forensics (Sponsored by Cultural Geography Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Joni Palmer, Geography & Environmental Studies; Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

CHAIR: Joni Palmer, Geography & Environmental Studies

Discussant(s): Heidi Hausermann, Assistant Professor, Colorado State University

Panelist(s): Jeffrey Blankenship, Associate Professor of Architectural Studies, Hobart & William Smith Colleges; Joern Langhorst, Associate Professor, University of Colorado Denver, College of Architecture and Planning; Tim Waterman, University of Greenwich

Introduction(s): Joni Palmer, Ph.D., Geography & Environmental Studies

Friday-061-8:00 a.m. Hydroclimatology I (Sponsored by Climate Specialty Group, Water Resources Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Natalie Teale, Rutgers University; Manuel Hernandez, University of North Carolina - Chapel Hill; Trent Ford, Southern Illinois University

CHAIR: Natalie Teale, Rutgers University

- 8:00** Iris Stewart-Frey*, Santa Clara University; *The 2014 Central American drought in the context of hydroclimatic variability and change*

- 8:20** Connie Kaniewski*, Southern Illinois University; Trent Ford, Southern Illinois University; *Evaluating Drought Intensification Rates with a Focus on Physical Climate Drivers*

- 8:40** Kirsten Lackstrom*, Carolinas Integrated Sciences & Assessments; Amanda Farris, Carolinas Integrated Sciences & Assessments; Rebecca Ward, State Climate Office of North Carolina; *Backyard Hydroclimatology: How Citizen Scientists Contribute to State- and National-Scale Drought Monitoring Efforts*

- 9:00** Jefferson D Wright, Southern Illinois University; Trent Ford*, Assistant Professor, Southern Illinois University; *Variability and Change in Midwest Winter Severity*

FRIDAY, April 5 • 8:00 AM - 9:40 AM**Friday-062-8:00 a.m. Natural Resource Use and Governance in Latin America**

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Rocío Rosales-Ortega, Metropolitan Autonomous University

8:00 Frederick Bein*, Indiana University Purdue University at Indianapolis; *Rubber Production in the Amazon***8:20** Nelson Rodriguez*, University of Manchester; *The not-so-Great Acceleration: Soybean boom and its logistic landscapes in the Southern Cone***8:40** Aaron Groth*, University of Texas - Austin; *Towards sustainable governance of tropical Andean forest landscapes***9:00** Ruchi Patel*, Pennsylvania State University; *(De-) Constructing conservation corridors in human landscapes of the Mesoamerican dry tropics***9:20** Rocío Rosales-Ortega*, Metropolitan Autonomous University; Victor Velazquez Duran*, Universidad Nacional Autónoma de México; *The dynamics of legitimation in the implementation of the Chakay Collective Trademark in Quintana Roo, Mexico***Friday-063-8:00 a.m. Doing Critical Community Geography to Inform Policy: Approaches and Outcomes I (Sponsored by Applied Geography Specialty Group)**

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Madeleine Hamlin, Syracuse University; Jonnell Robinson, Syracuse University

CHAIR: Jonnell Robinson, Syracuse University

8:00 Madeleine Hamlin*, Syracuse University; *'No Place to Call Home,' or the Chicago Reentry Atlas: Participatory Mapping and Policy Change from Below***8:20** Claire Shapton*, Clark University; *Articulations of Home: Preserving Manufactured Housing in the Gentrifying City***8:40 Discussant(s):** Jonnell Robinson, Syracuse University**9:00** Janni Sorensen*, UNC Charlotte; *A model of action research for building neighborhood decision-making capacity***9:20** Christine Mitchell*, Radford University; *Discourses of Environmental Conflict: Florida Black Bears, Latinxs Saw Palmetto Berry Harvesters, and Policy Makers***Friday-064-8:00 a.m. Statistics and Political Geography**

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Liam Ferraby, Calvin College

8:00 Russell Prince*, Massey University; *The economy, expertise, and the geography of statistics***8:20** Meadhbh Maguire*, McGill University; *Planning research and survey methods: A relationship of dependence.***8:40** Taekeon Hwang*, Kyung Hee University; Yubin Lee, Kyung Hee University; Wooyong Kim, Kyung Hee University; Chul Sue Hwang, Kyung Hee University; *Demarcation of census output area of business district considering spatial socio-economic homogeneity***9:00** Keith Gaddie*, The University of Oklahoma; *Applied Fair Division Systems for Redistricting***9:20** Liam Ferraby*, Calvin College; Annalane Miller*, Calvin College; Jason VanHorn, Calvin College; Kevin den Dulk, Calvin College; *Spatially Visualizing Service Providers to Improve Reentry Success***Friday-065-8:00 a.m. Geographic Studies of Water Quality and Management**

Theme: Physical Geography in Environmental Science

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Rebecca Kauten, University of Iowa

8:00 Yongsheng Zeng*, East China Normal University; Chunjuan Bi, East China Normal University; *Distribution characteristics and potential ecological risk assessment of heavy metals in river water in Shanghai, China***8:20** Benjamin Clemmer*, Joseph Zume*, Shippensburg University; *Examining water quality in two small streams draining agricultural and urban lands around Shippensburg, Pennsylvania.***8:40** Fnu Sarigai*, Eastern Michigan University; *Analysis on Urban Black Odorous Water***9:00** Runzi Wang*, Ming-Han Li, Michigan State University; *A systematic review of research trend and critical issues in the field of landscape and water quality research***9:20** Rebecca Kauten*, University of Iowa; *Understanding localized impacts and perceptions of connections between winter road maintenance and water quality***Friday-066-8:00 a.m. Landscapes, Peace and War: Understanding Land Transformation in Colombia after the Peace Agreement.**

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Laura Schneider, Rutgers University; Ximena Rueda, Uniandes

CHAIR: Laura Schneider, Rutgers University

8:00 Paulo Murillo*, Geography and Geospatial Science, College of Earth, Ocean and Atmospheric Sciences, Oregon State University, Corvallis, OR 97331, USA; Kristina Van Dexter, Department of Environmental Science & Policy, George Mason University, Fairfax, VA, USA; Jamon Van Den Hoek, Geography and Geospatial Science, College of Earth, Ocean and Atmospheric Sciences, Oregon State University, Corvallis, OR 97331, USA; Robert Kennedy, Geography and Geospatial Science, College of Earth, Ocean and Atmospheric Sciences, Oregon State University, Corvallis, OR 97331, USA; *The Immediate Impact of the Colombian Peace Agreement on Forest Conversion***8:20** Dohyung Kim*, Office of Innovation, UNICEF; Anupam Anand, GEF; *Detecting the extent of mining in a global biodiversity and conflict hotspot***8:40** Ximena Rueda*, Associate Professor, Uniandes; Maria Velez, Uniandes; Lina Moros, Uniandes; Luz Rodriguez, U Javeriana; *Beyond proximate and distal causes of land-use change: Linking Individual Motivations to Deforestation in Colombia***9:00** Laura Schneider*, Associate Professor, Rutgers University; Dolors Armenteras, Dr., Universidad Nacional de Colombia, Departamento de Biología; Henry Rumbo-Fonseca, Universidad Nacional de Colombia,

FRIDAY April 5 • 8:00 AM - 9:40 AM

Departamento de Biología; *Landscapes in an era of post-conflict: Mapping the spatial configuration of landscapes in the Orinoquia region of Colombia.*

9:20 Discussant(s): Stephen Aldrich, Associate Professor, Indiana State University

Friday-067-8:00 a.m. UAS Symposium Panel: UAS in Higher Education — Challenges and Prospects in Instruction (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Adam Mathews, Western Michigan University; Anthony Cummings, University of Texas at Dallas

CHAIR: Adam Mathews, Western Michigan University

Introduction(s): Adam Mathews, Assistant Professor, Western Michigan University

Panelist(s): Jacqueline Housel, Associate Professor, Sinclair College; Erin Bunting, Michigan State University; Christopher Lippitt, Associate Professor, University of New Mexico; May Yuan, Ashbel Smith Professor, University of Texas - Dallas; Jane Read, Associate Professor, Syracuse University; Wing Cheung, Professor, UC Irvine

Friday-068-8:00 a.m. Southern Queer (In)Visibilities (Sponsored by Study of the American South Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group, Careers and Professional Development)

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Rachael Cofield, Florida State University

CHAIR: Rachael Cofield, Florida State University

8:00 Rachael Cofield*, Graduate Student, Florida State University; *A New South: LGBTQ Urban Life in Atlanta, Georgia*

8:20 Amy Stone*, *Debutantes, Mardi Gras, and Mock Coronations: LGBTQ Space and Cultural Structures of the Urban South*

8:40 Petra Doan*, Florida State University; *Southern Queer Spaces as Urban Epiphany: the Ybor City Neighborhood of Tampa*

9:00 LaToya Eaves*, Middle Tennessee State University; *Southern Matters and Black Queer Women*

9:20 Kai Kenttamaa Squires*, McGill University; *Miami is South of the South? South Florida and Southern Regional Queerness*

Friday-069-8:00 a.m. Publishing in Geography Education Journals: Perspectives from the Editors (Sponsored by Geography Education Specialty Group, Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Derek France, University of Chester

CHAIR: Derek France, University of Chester

Introduction(s): Derek France, Professor of Pedagogy in Geographical Sciences, University of Chester

Panelist(s): Rebecca Theobald, Assistant Research Professor, University of Colorado Colorado Springs; Meredith

Marsh, Professor, Lindenwood University; Jerry Mitchell, Research Associate Professor, University of South Carolina; Derek France, Professor of Pedagogy in Geographical Sciences, University of Chester

Friday-070-8:00 a.m. And the Band Played On: Defeating Depression and The Imposter Syndrome in Academia (Sponsored by Graduate Student Affinity Group, Black Geographies Specialty Group, Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA

CHAIR: Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA

Panelist(s): Dewitt King, University of Wisconsin - Madison

Friday-072-8:00 a.m. Mountain Futures 1 (Sponsored by Mountain Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Cara Steger, Colorado State University; Catherine Tucker, University of Florida; Julia Klein, Colorado State University

CHAIR: Catherine Tucker, University of Florida

8:00 Kara Chipiwalt*, *Emotional Evidence of Change: Highlanders Gendered Experiences with Glacial Retreat in the Peruvian Andes*

8:20 Anna Bebbington*, Macalester College; *Chacra Farming in Peasant Livelihood Portfolios and Identities in the Peruvian High Andes*

8:40 Laura Caplins*, Nature-Link Institute; Keith Bosak, University of Montana; Sarah Halvorson, University of Montana; *Beyond Resistance: A Political Ecology of Cordyceps as Alpine Niche Product in the Garhwal, Indian Himalaya*

9:00 Irena Mrak, Ph.D., College of Environmental Protection, Velenje, Slovenije; Sarah Jean Halvorson*, Ph.D., Department of Geography; *Negotiating New Risks in the Production of Tourism in Gilgit-Baltistan, Northern Pakistan*

9:20 Catherine Tucker*, University of Florida; *Using Ethnographic Methods to Enhance Collaborative Research Toward Sustainability in Mountain Environments*

Friday-073-8:00 a.m. Remote Sensing Specialty Group (RSSG) Student Honors Paper Competition 1 (Sponsored by Remote Sensing Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Qiuyan Yu, University of South Florida

CHAIR: Qiuyan Yu, University of South Florida

8:00 Zhao Feng*, Peking University; *Delineating Urban-rural fringe using DMSP/OLS Nightlight Data: A K-means Approach*

8:20 Yingying XU*, Peking University; Qiao HUANG, Peking University; *Analysis of Ecosystem Health and the Spatio-temporal Correlation to Urbanization across China's 260 Cities*

FRIDAY, April 5 • 8:00 AM - 9:40 AM

8:40 Qiming Zheng*, Indiana State University; Qihao Weng, Indiana State University; *Developing a new cross-sensor calibration model for DMSP-OLS and Suomi-NPP VIIRS night-light imageries*

9:00 Ye Tian*, University of Georgia; Xiaobai Yao, University of Georgia; Liding Chen, State Key Lab of Urban Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences(CAS); *Analysis of Spatial and Seasonal Distributions of Air Pollutants by Incorporating Urban Morphological Characteristics*

9:20 Wenting Cao*, Zhejiang University; Iowa State University; Yuyu Zhou, Iowa State University; Rui Li, Zhejiang University; Xuecao Li, Iowa State University; *Mapping changes in coastlines and tidal flats in developing islands using the full time series of Landsat images*

Friday-074-8:00 a.m. Narrative, Creativity, and HIV Inequity: A Case for Minding Black Queer Expressions (Sponsored by Black Geographies Specialty Group, Sexuality and Space Specialty Group, Harassment-Free AAG Initiative)

Room: Stones Throw 3, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Darius Scott, University of North Carolina at Chapel Hill; Aaron Mallory, University of Minnesota - Minneapolis

CHAIR: Darius Scott, University of North Carolina at Chapel Hill

Introduction(s): Darius Scott, University of North Carolina at Chapel Hill

Panelist(s): Aaron Mallory, University of Minnesota - Minneapolis; Darius Scott, University of North Carolina at Chapel Hill; Xavier Livermon, The University of Texas at Austin

Friday-080-8:00 a.m. Changing Geography of National Parks and Protected Areas 1

Room: Palladian, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Joe Weber, University Of Alabama; Selima Sultana, University of North Carolina-Greensboro

CHAIR: Selima Sultana, University of North Carolina-Greensboro

8:00 Lisa Benton-Short*, The George Washington University; *Parks in Peril: National parks in the Trump era*

8:20 Lary Dilsaver*, University Of South Alabama; *From Yellowstone to Freedom Riders National Monument: What Drives the Addition of New National Parks?*

8:40 Tate Pashibin*, Ohio University; Natalie Mumich*, *Canyonlands National Park: Fifty Years of Conservation Conflict, 1964-2013*

9:00 Elizabeth Perry*, Clemson University; *Friendship wanted: Small historic park seeks relevance with locals*

9:20 Joe Weber*, University Of Alabama; Judith Oppong, University of Alabama; *Changing Boundaries in the National Park System*

Friday-081-8:00 a.m. Author Meets Critics: David Wilson's Chicago's Redevelopment Machine and Blues Clubs

Room: Diplomat Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Ulrike Gerhard, Heidelberg University

CHAIR: Ulrike Gerhard, Heidelberg University

Introduction(s): Ulrike Gerhard, Prof. Dr., Heidelberg University

Panelist(s): Audrey Kobayashi, Professor, Queen's University; Elvin Wyly, University of British Columbia; Carolina Sternberg, Assistant Professor of Latin America and Latino Studies, DePaul University; Andrew Jonas, Professor, University of Hull

Discussant(s): David Wilson, University Of Illinois

Friday-082-8:00 a.m. Migration and Movement

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Eva Janska, Faculty of Science, Charles University in Prague

8:00 Silvia Aru*, University of Amsterdam; *By law, above the law. Legislation, political discourses and their effects in the new Italian asylum system (2017-2019)*

8:20 Johanna Schuch*, University of North Carolina - Charlotte; *Understanding Latinx Civic Engagement in a New Immigrant Gateway*

8:40 Leanne Purdum*, University of Georgia; *How do discourses of humanitarianism and care shape immigrant detention?: A study of the South Texas Family Residential Center*

9:00 Eva Janska*, Faculty of Science, Charles University in Prague; Dusan Drbohlav, Faculty of Science, Charles University; Zdenek Cermak, Faculty of Science, Charles University; *Does transnational behavior matter in integration of labour migrants? The case of Moldovans in Czechia and Italy.*

Friday-083-8:00 a.m. Gender and Environment

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Pronoy Rai, Portland State University

8:00 Julie Gorecki*, University of California - Berkeley Press; *Women and the Climate Change Crisis: Effects and Empowerment*

8:20 Marlene Brito-Millán*, Environmental & Ocean Sciences, University of San Diego; Amrah Salomón J, Ethnic Studies, University of California - San Diego; Jessica Ng, Scripps Institution of Oceanography, UC - San Diego; Leslie Quintanilla, Ethnic Studies, University of California - San Diego; Emma Harrison, Scripps Institution of Oceanography, UC - San Diego; Rishi K Sugla, Scripps Institution of Oceanography, UC - San Diego; *Decolonial Feminist Science Methods for Indigenous Resistance to Extraction in the Lithium Triangle*

8:40 Krushna Ranaware*, Syracuse University; *Inheriting the Family Farm: Legal Reform and the Feminization of Agriculture in India*

9:00 CHETANA NASKAR*, JAWAHARLAL NEHRU UNIVERSITY; *Gendered Landscape of fear in Public Space in Kolkata, India*

FRIDAY April 5 • 8:00 AM - 9:40 AM

Friday-084-8:00 a.m. Recognizing Alternative Values in Market-Based Conservation Programs and Policies I: Discursive Contestations (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group, Development Geographies Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Elizabeth Shapiro-Garza, Duke University; Vijay Kolinjivadi

CHAIR: Vijay Kolinjivadi

8:00 Pamela McElwee*, Rutgers; *Putting Culture back into Cultural Ecosystem Services (CES): Valuation Challenges in the Global South*

8:20 Osensang Pongen*, University of South Florida; *The neoliberalization of climate action: A precautionary critique from Nagaland, India*

8:40 Zhao Ma*, Purdue University Department of Forestry and Natural Resources; Jonathan Bauchet, Ph.D., Purdue University; Ricardo Godoy, Ph.D., Brandeis University; Claudia Radel, Ph.D., Utah State University; Laura Zanotti, Ph.D., Purdue University; Meagan Rathjen, Purdue University; Brooke McWherter, Purdue University; Will Munger, Utah State University; *Incorporating alternative values to design environmentally effective and socially equitable incentive-based conservation programs*

9:00 Elizabeth Shapiro-Garza*, Duke University; *From the Ground Up: The Origins and Impacts of an Alternative Theorization and Valuation of Payments for Ecosystem Services in Mexico*

9:20 Niki VonHedemann*, University of Arizona; *"It's an incentive, not a payment": The process and effects of incorporating alternative values into national Guatemalan PES programs*

Friday-086-8:00 a.m. Decolonizing the Urban (Sponsored by Indigenous Peoples Specialty Group)

Room: Senate Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Fabris, University of British Columbia; Michelle Daigle, University of British Columbia; Margaret Ramirez, Stanford University

CHAIR: Michelle Daigle, University of British Columbia

Introduction(s): Michelle Daigle, Assistant Professor, University of British Columbia

Panelist(s): Dallas Hunt, University of Manitoba; Heather Dorries, Assistant Professor, Carleton University; Michael Fabris, PhD Student, University of British Columbia; William Richardson, Northwestern University; Margaret Ramirez, Stanford University

Friday-087-8:00 a.m. Social Media and Big Data for Disasters (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Bandana Kar, Oak Ridge National Laboratory; Edwin Chow, Texas State University - San Marcos; ZhiQiang Chen, University of Missouri-Kansas City

CHAIR: Bandana Kar, Oak Ridge National Laboratory

8:00 ZhiQiang Chen*, University of Missouri-Kansas City; Shiming Tang, University of Missouri-Kansas City; *Crowdsourcing of Disaster Scenes and Understanding Using Deep Learning*

8:20 Barnali Dixon*, University Of South Florida; Rebecca Johns, USF; Amada Fernandez, USF; *An Empirical Assessment of efficacy of crowd-sourced data and participatory Geoweb in enhancing participation in governance for resiliency*

8:40 Joseph Holler*, Middlebury College; Claire Gomba*; *Representation and conceptual drift in social vulnerability models: the case of Hispanic representation in social media and FEMA data of Hurricane Harvey*

9:00 Shadi Maleki*, Texas State University - San Marcos; Milad Mohammadalizadehkorde*, Texas State University - San Marcos; *Mapping the Change in Spatial Distribution of Tweets on the Day of Hurricane Harvey*

9:20 Edwin Chow*, Texas State University - San Marcos; Abdullatif Alyaout, Texas State University; *Exploring the locational accuracy of social media during Hurricane Harvey*

Friday-088-8:00 a.m. Geographies of Peace in Colombia

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sara Koopman, Kent State University

CHAIR: Sara Koopman, Kent State University

Discussant(s): Diana Ojeda, Ms, Universidad Javeriana

Panelist(s): Amy Ritterbusch, Assistant Professor, UCLA; Christopher Courtheyn, Universidad del Rosario; Adam Isacson, Washington Office on Latin America

Friday-089-8:00 a.m. 11. Population Specialty Group: Inequality and demography outside of the USA (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

8:00 Vanessa Guerra*, Virginia Tech; *The Resiliency of Informal Transport in Quito, Ecuador: Users' perspectives*

8:20 Ricardo Truffello Robledo*, Pontificia Universidad Católica De Chile - Instituto de Estudios Urbanos; Monica Flores, Pontificia Universidad Católica de Chile - Observatorio de Ciudades UC; Matías Garretón, Universidad Adolfo Ibáñez - Desing Lab; Gonzalo Ruz, Universidad Adolfo Ibáñez - Escuela de Ingeniería; *Spatial sampling via a local partition based on exhaustive demographic data at Metropolitan Urban Area of Santiago of Chile*

8:40 Enrique Pérez-Campuzano*, Instituto de Geografía; Alejandra Garrido-Rodriguez, MsC, Alianza para la Regeneración Urbana; *The Growth of Services Sector and Its Implications in Real State in Mexico City*

FRIDAY, April 5 • 8:00 AM - 9:40 AM

9:00 Joseph Kangmennaang*, University of Waterloo; Susan J Elliott, Professor, University of Waterloo; *A mixed-methods exploration of the links between inequality and wellbeing in Ghana*

Friday-090-8:00 a.m. Changing Constructions of Rurality and Rural-urban Relationships in a Post-productivist Era-I (Sponsored by Rural Geography Specialty Group, China Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Shenjing He, The University of Hong Kong; Darren Smith, Loughborough University

CHAIR: Shenjing He, The University of Hong Kong

8:00 Darren Smith*, Loughborough University; Martin Phillips, University of Leicester; *Navigating the interface between rural and urban geographies of gentrification*

8:20 Peter Nelson*, Middlebury College; *Geographies of Rural Gentrification in Time and Space*

8:40 PEIPEI CHEN*, University of Southampton; Nick Clarke, University of Southampton; Brian J Hraes, University of Southampton; *Rural tourism makers and rural regeneration in China*

9:00 Xiang Yan*, Shenjing He, University of Hong Kong; *Urbanizing the Therapeutic Landscapes: Health Tourism and Unhealthy Urbanization in Bama, China*

9:20 Discussant(s): Martin Phillips, UNIVERSITY OF LEICESTER

Friday-091-8:00 a.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Spatial-Social Networks in GIS I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: Congressional B, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Clío Andris; Yang Xu, Hong Kong Polytechnic University

CHAIR: Yang Xu, Hong Kong Polytechnic University

8:00 Xuebin Wei*, James Madison University; Xinyue Ye, New Jersey Institute of Technology; *Use Random Walk Analysis to Understand Spatial-Social Structures of Social Media Discussion*

8:20 Matthew Haffner*, University of Wisconsin - Eau Claire; *A place-based analysis of #BlackLivesMatter and counter-protest content on Twitter*

8:40 Panagiotis Giannakis*, University of Arkansas; *Is it a Physical Small World? Decoupling Geographic from Topologic Effects on Board of Directors' interlock network and its structure.*

9:00 Dajun Dai*, Department of Geosciences, Georgia State University; Richard Rothenberg, School of Public Health, Georgia State University; Gerardo Chowell, School of Public Health, Georgia State University; *The role of mobility in shaping the spatial and social networks of HIV endemic in at-risk urban areas*

9:20 Seema Chouhan*, Oak Ridge National Laboratory;

Gautam Thakur, Oak Ridge National Laboratory; *PlanetSense Lenz: Contextual Deep Learning Framework to Classify and Geolocalize Ground Level Photos from Location Based Social Networks*

Friday-092-8:00 a.m. Insular and Divided Energy Spaces: between Autarky and Integration

Room: Empire Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Timothy Moss, IRI THESys Humboldt University of Berlin

CHAIR: Conor Harrison, University of South Carolina

8:00 Eric Verdeil*, CERI Sciences Po; *The challenges of Beirut's electricity supply from the civil war to the post-reconstruction years: division, shortages and autonomisation*

8:20 Conor Harrison*, University of South Carolina; *Caught between abundance and scarcity: geothermal, isolated energy systems, and island interconnection in the eastern Caribbean*

8:40 Introduction(s): Timothy Moss, IRI THESys Humboldt University of Berlin

Friday-093-8:00 a.m. Emerging Trends and New Voices in Feminist Political Geography (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dana Cuomo, Western Kentucky University; Vanessa Massaro, Bucknell University; Caroline Faria, University of Texas - Austin

CHAIR: Jill Williams, University of Arizona

8:00 Edgar Sandoval*, University of Washington; *Landscapes of Violence: Immigrants and Mixed-Status Families' Navigation of Suburbia*

8:20 Rebecca Patterson-Markowitz*, University of Arizona - Geography & Development; *Bodies of Evidence: Conceptualizations of Rupture and Repair with Survivors of Sexual Violence in Guatemala*

8:40 Jenna Christian*, Pennsylvania State University; *The military specter: life, death, and militarized respectability in the United States*

9:00 Iolanthe Brooks*, Clark University; *Queer(ing) Carceral Mobilities: Prison Transfers and Queer Visibility*

9:20 Discussant(s): Vanessa Massaro, Dr., Bucknell University

Friday-094-8:00 a.m. The Eclectic Environmental Geographies of Jody Emel I

Room: Regency Ballroom, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matt Huber, Syracuse University; Trina Hamilton, University At Buffalo; Daniel Niles, Research Institute for Humanity and Nature

CHAIR: Trina Hamilton, University At Buffalo

Panelist(s): Deborah Che, Lecturer, Southern Cross University; Alec Brownlow, Associate Professor, DePaul University; Sharon Moran, State University of New York - Env. Science and Forestry, Syracuse, NY; Trina

FRIDAY April 5 • 8:00 AM - 9:40 AM

Hamilton, Associate Professor, University At Buffalo;
Daniel Niles, Assistant Professor, Research Institute
for Humanity and Nature; Jacque (Jody) Emel, Senior
Research Professor, Clark University

**Friday-095-8:00 a.m. Social Infrastructures and the Public
Life of Cities: materialities, institutions, and
practices (Session 1)**

Room: Blue Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jack Layton, University College London; Alan Latham,
University College London

CHAIR: Jack Layton, University College London

8:00 Alan Latham*, University College London; Jack Layton,
University College London; *Thinking about social
infrastructures and the public life of cities*

8:20 AbdouMaliq Simone*; *The Infrastructural Background*

8:40 Denver Nixon*, Transport Studies Unit; Tim Schwanen,
PhD, Transport Studies Unit, University of Oxford;
*Citizen-Led Pedestrian Enablers in São Paulo:
Actuating and Symbolic Infrastructures*

9:00 Michele Lancione*; *Weird Exoskeletons: Propositional
politics and the infrastructure of home in underground
Bucharest*

9:20 Karel Arnaut*, KU Leuven; *Infrastructural battles:
navigating and negotiating migration trajectories
between worlding and ruination*

Friday-097-8:00 a.m. Finance for Development 1

Room: Capital Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Adam Dixon, Maastricht University; Ilias Alami,
Maastricht University; Emma Mawdsley, University of
Cambridge

CHAIR: Adam Dixon, Maastricht University

8:00 Ilias Alami*, Maastricht University; Adam Dixon,
Maastricht University; Emma Mawdsley, Cambridge
University; *Unpacking Finance for Development*

8:20 Nikodemus Solitander*, Centre for Corporate
Responsibility; *Cushioning the Gap: The
financialization of the development aid sector*

8:40 Suhyon Oh*; *Financialization of development aid: analyzing
a concept of innovative financing for development*

9:00 Julia Maisenbacher*, University of Lausanne; *Mobile
Money for the unbanked - A historical materialist
analysis of the financialisation of remittances in Kenya*

9:20 Pon Souvannaseng*, U. of Manchester; *Fast Finance:
Who Gives a Dam? Hydro-Energy Expansion
and Environmental Governance in the Age of
Competitive Capital*

**Friday-098-8:00 a.m. Linguistic Geography (Sponsored by
Media and Communication Geography Specialty
Group, Environmental Perception and Behavioral
Geography Specialty Group, Cultural Geography
Specialty Group)**

Room: Embassy Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Greg Niedt, Drexel University; Kirsten Helgeson,
University of Hawaii - Manoa

CHAIR: Greg Niedt, Drexel University

8:00 Leonor Morrow*, Georgetown University; *'Back 2 Good':
Assessing the language accessibility of DC public transit*

8:20 Gabriella Modan*, The Ohio State University; *New Urban
Chic: The Semiotic Landscape of Gentrification in
US Cities*

8:40 Greg Niedt*, Drexel University; *Village People: Signs of
Capitalism, Control, and Queerness in Urban Landscapes*

9:00 Eva-Marie Dubuisson*, Nazarbayev University; *Whose
World? Discourses of Environmental Protection
in Kazakhstan*

9:20 Richard Russo*, Frostburg State University; *The World of
Books in a Linguistic Minority Setting*

**Friday-099-8:00 a.m. Identification of Pathways towards
Sustainable Development Goals 3: the Role of
Global Climate Actions, Belt and Road Initiative and
Ecological Progress**

Room: Hampton Room, Omni, East (Lightning Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Ying Wang

CHAIR: Zhanqi Wang

8:00 Yang Jin*; *Effict Study on the Impacts of Real Estate Taxes
on Housing Price—a Case of Chongqing*

8:05 Li Tan*; *Spatial transference and formation mechanism of
illegal mining sites in eastern Hubei*

8:10 Bin Yang*; *Terrain Gradient Effect and Spatial Structure
Characteristics of Land Use in Mountain Areas of
Northwestern Hubei Province*

8:15 DI ZHANG*; *Research on the regional sustainable
development based on ecological footprint*

8:20 Zhibin Xue*; *High-standard prime farmland planning
based on AHP-TOPSIS model*

8:25 Sheng Ye*; *Study on Evaluation and Spatial Distribution
of Water and Soil Heavy Metals Pollution in
Danjiangkou Reservoir*

8:30 Yunxiao Gao*; *Evaluation of overall land use planning in
tuanfeng county in Hubei based on space layout*

8:35 Nan Wang*, China University of Geosciences (Wuhan);
*Urbanization and Air Pollution—Based on Spatial
Econometric Analysis of Wuhan City Circle*

8:40 Jun Bai*, China University of Geosciences (Wuhan);
*Research on Policy System of New Energy Poverty
Alleviation in Poor Areas*

8:45 Jinfeng Wang*, China University of Geosciences(Wu
Han); *Research on policy support for low carbon, safe
and efficient energy system*

8:50 Xianmin Li*, China University of Geosciences (Wuhan);
Public governance and sustainable development

8:55 Kailu Guo*, China University of Geosciences; *Research
on Industrial Selection and Land Resources Optimal
Scheme of Typical city in Yangtze River Economic Belt
under Environmental Constraints*

9:00 Jianru Shi*, China University of Geosciences(Wuhan);
*Evaluate the Livability of Rural Areas Combined With
the Strategy of Rural Revitalization*

9:05 Shixiang LI*, China University of Geosciences; *Research
on green development and high quality development of
mining in the new era*

9:10 Philip Bosah*, China University of Geosciences, Wuhan;
*An Insight into challenges of alternative energy
resources in China*

FRIDAY, April 5 • 8:00 AM - 9:40 AM

9:15 Md Foysul Alam*, China University of Geosciences, Wuhan, Hubei, China; *Climate Change: Redefine Refugee and Redesign Land*

Friday-100-8:00 a.m. Dirt Matters: Political Ecologies of Soil and Development (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Development Geographies Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Marygold Walsh-Dilley, University of New Mexico; Daniel Ahlquist, Michigan State University

CHAIR: Marygold Walsh-Dilley, University of New Mexico

8:00 Marygold Walsh-Dilley*, University of New Mexico; *Pacha Mama: Grounding the Agrarian Transitions of the Quinoa Boom*

8:20 Jonathan Otto*, University of British Columbia; *Dirty development: centering soil in the study of rural development in southeastern Mexico*

8:40 Stephen Wood*, The Nature Conservancy; *Challenging the paradigm of soil degradation: a case-study in southeastern Senegal*

9:00 Daniel Ahlquist*, Michigan State University; *Cultivating Insecurity: How Thai conservation and development policies promote unsustainable practices and foster insecurity in upland farming communities*

9:20 Discussant(s): Karl Zimmerer, Professor, Pennsylvania State University

Friday-101-8:00 a.m. Critical Theory from the South: Everyday Politics & Southern Feminism I

Room: Governor's Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Susmita Rishi, Kansas State University; Amy Piedalue, Australia India Institute

CHAIR: Susmita Rishi, Kansas State University

8:00 Laura Vaz-Jones*, University of Toronto; *An Intersectional Right to the City: Reframing Domestic Worker Organizing as Struggles for Urban Social Justice in Salvador da Bahia, Brazil*

8:20 Yaffa Truelove*, Assistant Professor, University of Colorado; *Gendering the Southern City: Water, Intersectionality and the Infrastructures of Inequality*

8:40 Yuyi Wang*, University of Washington-Seattle; *Small City China: China's Urban Transformation Viewed through Former Danwei Communities in Changsha*

9:00 Zahra Khalid*, The Graduate Center, CUNY; *Erasures of epistemology: Geographic thought on the "War on Terror"*

9:20 Discussant(s): Patricia Lopez, Postdoctoral Fellow, Dartmouth College

Friday-102-8:00 a.m. Fostering Relational Accountabilities in Indigenous Geographies: Moving from rhetoric to reality Session 1 (Sponsored by Indigenous Peoples Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Chantelle Richmond, The University of Western Ontario; Katie Big-Canoe, Western University

CHAIR: Chantelle Richmond, The University of Western Ontario

8:00 Nicole Wilson*, University of British Columbia; Deborah McGregor*; Rachel Arsenault, Laurentian University; Joanne Nelson, University of British Columbia; *Learning from the water: Building relational accountability in water governance through Community-Based Research with water and Indigenous peoples*

8:20 Sarah Rotz*, PhD, Queens University; Heather Castleden, PhD, Queens University; Diana Lewis, PhD, Western University; Hannah Tait Neufeld, PhD, University of Guelph; Emily Root, PhD, Cape Breton University; *Exploring relationships, experiences and ways of knowing in an interdisciplinary, cross-cultural program of research*

8:40 Paulette Blanchard*, University of Kansas; *Indigenous Feminist Environmental Resistance and Leadership*

9:00 Susan Chiblow*; *Niizhoo-inan-odemawin (To think cautiously -Double Learning)*

9:20 Cortney Dakin*, Western University; *Decolonizing Process-Tracing: Applications and Ethical Dilemmas*

Friday-103-8:00 a.m. Teaching the Anthropocene: New Visions, New Visualizations? (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group, Indigenous Peoples Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Megan Dixon, The College of Idaho; Innisfree Mckinnon, University of Wisconsin-Stout

CHAIR: Megan Dixon, The College of Idaho

8:00 Megan Dixon*, Instructor, The College of Idaho; *Visualizing the hinterland as an inquiry into multi-element mapping*

8:20 RDK Herman*, National Museum of the American Indian; *The World as Self: Challenging the Anthropocene with Indigenous Knowledge*

8:40 Innisfree Mckinnon*, University of Wisconsin-Stout; *Mapping Global Connections*

9:00 Lawrence Sullivan*, The Citadel; *Returning to Teaching Geography after 35 Years in the International Oil & Gas Business*

9:20 Discussant(s): Kolson Schlosser, Dr., Temple University

FRIDAY, April 5 • 9:00 AM - 2:00 PM**Friday-200-8:00 a.m. F3_1 Walking Tour of Washington, DC,
from Gallery Place to Columbia Heights**

Room: Field Trip Departure Location (Field Trip)

Time: 9:00 a.m. - 2:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

FRIDAY April 5 • 8:00 AM - 12:00 PM**Friday-201-8:00 a.m. F3_4 Huntley Meadows Park: An
Urban Wildlife Sanctuary**

Room: Field Trip Departure Location (Field Trip)

Time: 8:00 a.m. - 12:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

FRIDAY April 5 • 9:55 AM - 11:35 AM**Friday-001-9:55 a.m. Path Creation and Regional Development
2: Institutions, Agency and Knowledge (Sponsored by
Economic Geography Specialty Group)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Danny Mackinnon, Newcastle University; Michaela
Trippl, University of Vienna

CHAIR: Arne Isaksen

9:55 Markku Sotarauta*, University of Tampere; How Does the
Green Economy Grow? Institutional Agency for Green
Path Development**10:15** Stig-Erik Jakobsen*; Rune Njøs, Western Norway
University of Applied Sciences; The role of multi-level
and multi-actor processes in regional path creation:
Development of Carbon Capture and Storage (CCS)
technology and possible industrial path creation in
Western Norway**10:35** Mário Vale*, Universidade de Lisboa, IGOT, CEG;
Luís Carvalho, Universidade do Porto, CEGOT;
Understanding high-road path creation in peripheral
regions**10:55 Discussant(s):** Michaela Trippl, University of Vienna**Friday-003-9:55 a.m. Thrown-togetherness in Turbulent Times:
Diversity, Migration and the City 2 - Encounters**

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Anna Gawlewicz, University of Glasgow; Carlos
Estrada-Grajales, QUT

CHAIR: Carlos Estrada-Grajales, QUT

9:55 Stijn Oosterlynck*, University of Antwerp; Thomas
Swerts, Erasmus Universiteit Rotterdam; *Incorporating
ethno-cultural diversity in local civil society in**superdiverse urban neighbourhoods. The case of
Borgerhout in Antwerp.***10:15** Orlando Woods*, Singapore Management University;
Lily Kong, Singapore Management University;
*Class(ify)ing Christianity in Singapore: Tracing the
inter- and intra-spatialities of privilege and position***10:35** Sanjeev Routray*, Northeastern University; *Varieties of
Cosmopolitanism: Subaltern Navigation of Urban Living***10:55** Stacy Harwood*, University of Utah; *Building Cross-
Racial Coalitions with the Working-Class***11:15** Anna Gawlewicz*, University of Glasgow;
*Thrown-togetherness in the East End of Glasgow:
Responses to Brexit among migrant and the long-
settled population***Friday-004-9:55 a.m. Mountain Tourism in a Rapidly
Changing World: International Perspectives
(Sponsored by Recreation, Tourism, and Sport
Specialty Group)**

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rudi Hartmann, University of Colorado; Marius
Mayer, University of Greifswald; Sanjay Nepal, University
of Waterloo

CHAIR: Rudi Hartmann, University of Colorado

9:55 Sanjay Nepal*, University of Waterloo; *Ethnic identity,
social hierarchies, and ethical tourism: Porters'
perspectives on trekking and mountaineering tourism
in Nepal's Khumbu (Everest) region***10:15** KALPANA BHAKUNI*, Dr., University of Delhi;
*Ecosystem Services of Nainital Lake in Tourism
Enterprise*

FRIDAY, April 5 • 9:55 AM - 11:35 AM

10:35 Marius Mayer*, University of Greifswald; *Spatial planning and protected areas as approaches for limiting ski tourism development – examples from the Eastern European Alps*

10:55 Rudi Hartmann*, Professor, University of Colorado; *Towards a further globalization of the ski resort industry: Implications and issues*

11:15 Natalie Ooi*, Colorado State University; *Examining the resilience and adaptive capacity of mountain resort destinations: Moving beyond the sustainability efforts of mountain resorts*

Friday-005-9:55 a.m. Reinstitutionalizing Equity (II): Work, Occupations and Technological Change (Sponsored by Economic Geography Specialty Group, Careers and Professional Development)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nichola Lowe, University of North Carolina-Chapel Hill

CHAIR: Natasha Iskander, New York University

9:55 Matti Siemiatycki*, University of Toronto; *Closing the Diversity Gap in the Infrastructure Sector*

10:15 Marisa Turesky*, University of Southern California; Mildred Warner, PhD, Cornell University; *Mansplaining Still the Norm: Gender Dynamics in Planning Workplaces*

10:35 Brenton Nader*, University of Waterloo; Tara Vinodrai, University of Waterloo; *Making spaces? Planning for new forms of urban production*

10:55 Andrew Weaver*, University of Illinois; *Technology, Skills, and Hiring Frictions*

11:15 Nichola Lowe*, University of North Carolina-Chapel Hill; *Innovation and Opportunity: Institutionalizing a Moral Economy of New Technology*

Friday-006-9:55 a.m. Critically Engaging the 'China Model' of Development: Infrastructures, BRI, and Technopolitics: Session 2 (Sponsored by China Specialty Group, Development Geographies Specialty Group, Political Geography Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Galen Murton, James Madison University

CHAIR: Colin Flint, Utah State University

9:55 Thomas Ptak*, University of Idaho; *Understanding borders through dynamic processes. Capturing relational motion from southwest China's radiation center, Yunnan province.*

10:15 Xiaobo Su*, Associate Professor, University of Oregon; *Security, Reciprocal Control and the Tensions of Geoeconomic Integration in the China-Myanmar Border*

10:35 Hasan Karrar*, *From Cold War Aviation to Beijing's Belt and Road Initiative: Corridors and Mobility under Late Capitalism*

10:55 Shaun Lin*, National University Of Singapore; James Sidaway*, National University of Singapore; *The Belt and Road Initiative's (一帶一路) Logics: economy, frontiers, security.*

11:15 Colin Flint*, Utah State University; Madeleine Waddoups*, Utah State University; *South-South Cooperation: Actually, do the peoples of Africa think China-Africa cooperation is a win-win?*

Friday-007-9:55 a.m. Materiality and Intimacy in the Geographies of Care (Sponsored by Political Geography Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Polly Pallister-Wilkins, University of Amsterdam; Beste Isleyen

CHAIR: Polly Pallister-Wilkins, University of Amsterdam

9:55 Discussant(s): Elisa Pascucci, University of Helsinki

10:11 Heather Johnson*, Queen's University Belfast; *The 'Found' Infrastructures of Mobility and Deterrence: invention and temporariness in asylum seeking*

10:23 Polly Pallister-Wilkins*, Assistant Professor, University of Amsterdam; *Survival and predation in the humanitarian economy of Lesbos*

10:35 Beste Isleyen*, *Materiality, Visibility and Border Policing*

10:47 Debbie Lisle*, Queen's University; *The stubborn habits of migration: practicing self-care in humanitarian space*

10:59 Jennifer Riggan*, Arcadia University; Amanda Poole*, Indiana University Of Pennsylvania; *The Hosting State and Its Restless Guests: Cartographies of Care and Regimes of Im/Mobility in Two Refugee Camps in Northern Ethiopia*

11:11 Caroline Oliver*, University of Roehampton, London; Karin Geuijen*, *Building spaces of conviviality? Infrastructures and intimacies in asylum seeker reception in Utrecht, the Netherlands*

11:23 Nina Sahraoui*, European University Institute; *Care, Control and Border Management. Looking into medical humanitarianism at a Southern European border*

Friday-008-9:55 a.m. Camp Methodologies: The 'How' of studying camps (Sponsored by Qualitative Research Specialty Group, Political Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Hanno Brankamp, University of Oxford; Yolanda Weima, York University

CHAIR: Yolanda Weima, York University

9:55 Richard Carter-White*, Macquarie University; *Witnessing the witnesses: responding to the testimonial spaces of the camp*

10:15 Hanno Brankamp*, University of Oxford; *Ethnography and the camp*

10:35 Claudio Minca*, Macquarie University; *Makeshift camps, makeshift methodologies?*

10:55 Leah Montange*, University of Toronto; *"From the side": Researching migration detention in a time of crisis*

11:15 Discussant(s): Patricia Daley, Professor, University of Oxford

Friday-009-9:55 a.m. Environmental Justice Scholarship and Activism in the Post-Soviet Countries (Sponsored by European Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nino Antadze, University of Prince Edward Island

CHAIR: Nino Antadze, University of Prince Edward Island

FRIDAY April 5 • 9:55 AM - 11:35 AM

9:55 Garrett Wolf*, *Reconceptualizing Transition from the Socialist City to the Post-Socialist City: The Reproduction of Tashkent*

10:15 Lola Gulyamova*, National University of Uzbekistan; *Dimensions of Gentrification in Uzbekistan*

10:35 Roman Lozynskyi*, Ivan Franko National University of Lviv; *Peri-urban Transformations and Emergence of Eclectic Suburbs in Largest Ukrainian Cities: The Case of Lviv, Ukraine*

10:55 Rachel Berndtson*, University of Maryland - College Park; *Viticultural Landscapes and Ecosystem Services: A Case of Georgia*

11:15 Nino Antadze*, Assistant Professor of Environmental Studies, University of Prince Edward Island; Kety Gujaraidze, Association Green Alternative; *Energy Justice as a Discursive Frame: The Case of Hydropower Development in the Republic of Georgia*

Friday-010-9:55 a.m. The Environmental State in the Village 2: the Place of the State in Neoliberal Water Governance (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Myung Ae Choi; Valeria Biffi Isla, London School of Economics

CHAIR: Myung Ae Choi

9:55 Ruxandra Popovici*, Purdue University; Glenn Arce Larrea, Universidad Nacional de San Agustín; Edwin Bocardo Delgado, Universidad Nacional de San Agustín; Anna Erwin, Purdue University; Zhao Ma, Purdue University; Linda Prokopy, Purdue University; Nelly Ramírez Calderón, Universidad Nacional de San Agustín; Patricia Salas O'Brien, Universidad Nacional de San Agustín; Eliseo Zeballos, Universidad Nacional de San Agustín; *Formalizing watershed management in Arequipa, Peru*

10:15 Jichuan Sheng*, Nanjing University of Information Science & Technology; Michael Webber, University of Melbourne; *Authoritarian neoliberalization in China's water governance: the case of China's South-North Water Transfer Project*

10:35 Zelin Wang*, Xi'an Jiaotong University and Purdue University; Zhao Ma, Purdue University; Rebecca Nixon, Purdue University; *Water Rights and Local Justice: A case study of the South-to-North Water Transfer Project in Shaanxi, China*

10:55 Alice Cohen*, Acadia University; Melpatkwa Matthew*; *Justice in Monitoring: Accounting for Indigenous Knowledge in Community Based Monitoring*

11:15 **Discussant(s):** Valeria Biffi Isla, London School of Economics

Friday-012-9:55 a.m. Value-rent-finance: Rethinking the Financialisation of Nature

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Alex Loftus, King's College London; Michael Ekers, University of Toronto; Thomas Purcell, Leeds Beckett University

CHAIR: Alex Loftus, King's College London

Introduction(s): Michael Ekers, Dr., University of Toronto

Panelist(s): Kelly Kay, University of California, Los Angeles; Sarah Knuth, Department of Geography, Durham

University; Madeleine Fairbairn, University of California - Santa Cruz; Elisa Greco, University of Leeds (UK); Gareth Bryant, University of Sydney; Thomas Purcell, Leeds Beckett University

Friday-016-9:55 a.m. Engaged Learning in Geography: Pedagogy and praxis (Sponsored by Socialist and Critical Geography Specialty Group, Cultural and Political Ecology Specialty Group, Geography Faculty Development Alliance (GFDA), Harassment-Free AAG Initiative)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Ingrid Behrsin, University of California, Davis; Abigail Martin; Erin Goodling

CHAIR: Ingrid Behrsin, University of California, Davis

Panelist(s): Heather Bedi, Dr., Dickinson College; Nicholas Padilla, Instructor, Western Michigan University; Nicole Laliberte, University of Toronto - Mississauga; Emma DeVries, Duke University; Kristin Sziarto, Associate Professor, University of Wisconsin - Milwaukee; Robert Ross, Associate Professor of Social Justice Studies, Point Park University

Friday-017-9:55 a.m. Author Meets Critics: "Black Food Geographies: Race, Self-Resilience, and Food Access in Washington, DC" (Sponsored by Black Geographies Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Willie Wright, Department of Geography; Jessica Gilbert, SUNY - Buffalo

CHAIR:

Discussant(s): Ashante Reese, Spelman College

Panelist(s): Priscilla McCutcheon, Assistant Professor, University of Kentucky; Kristin Reynolds; Xavier Brown, Founder and Executive Director, Soilful City

Friday-018-9:55 a.m. Agrarian Urbanisms: Tracking Urbanization beyond Cities in Asia II (Sponsored by Asian Geography Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Shubhra Gururani, York University; Sai Balakrishnan

CHAIR: Shubhra Gururani, York University

9:55 Sai Balakrishnan*, *Recombinant Urbanization: Agrarian-Urban Landed Property and Uneven Development in India*

10:12 Will Glover*, University Michigan-Ann Arbor; *Towards a History of Agrarian Urbanism*

10:29 Sudeshna Mitra*, Indian Institute for Human Settlements; *Periurban Narratives of Land Value: From Investments to Compensation*

10:46 Chitra Venkataramani*, *'A Survey Lies in Wait': Cartographic Agency and the Line Between the Village and the City in Mumbai*

11:03 Kasia Paprocki*, London School of Economics; *The Climate Change of Your Desires: Climate Migration and Imaginaries of Rural and Urban Climate Futures*

11:20 **Discussant(s):** Kalyanakrishnan Sivaramakrishnan

FRIDAY, April 5 • 9:55 AM - 11:35 AM**Friday-019-9:55 a.m. Global South: Impacts of Transforming Landuse and Changing Environment on Cities (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group, Climate Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): S M Shihab Nur, Auburn University

CHAIR: Chandana Mitra, Auburn University

9:55 Rajesh Sigdel*, Western Michigan University;
Understanding the Land Use/Land Cover Change (LULC) Process in the Kathmandu Valley of Nepal.

10:15 S M Shihab Nur*, Auburn University; Chandana Mitra, Dr, Auburn University; *Cultural and environmental transition and transformation of two south Asian cities: Dhaka and Kolkata*

10:35 Sujee Jung*, Rutgers University; *The Problem of Land Reclamation: Based on the Waterfront Development Project in Hanoi, Vietnam*

10:55 Faizeh Hatami*, *Cultural and Physical Changes in Cities in Globalization Era; Case Study of Tehran City*

11:15 Discussant(s): Winston Chow, Assistant Professor, National University of Singapore

Friday-020-9:55 a.m. Rurality and Rural Landscape Change in Asian Context (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, China Specialty Group)

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Steven McGreevy, Research Institute for Humanity and Nature

9:55 Jiayu Yan*, Institute of Geographic Sciences and Natural Resources Research, CAS; Yuheng Li, Institute of Geographic Sciences and Natural Resources Research, CAS; *Research on development types and paths in China's rural areas*

10:15 Haiyan Pang*, Department of Regional and Urban Planning, Zhejiang University; Yonghua Li, Department of Regional and Urban Planning, Zhejiang University; Xiaodan Ge, Department of Regional and Urban Planning, Zhejiang University; *Applying ecological perspective into rural revitalization: A case study of Jingshan Village, China*

10:35 Juliet Lu*, University of California - Berkeley; *The persistence of plantation rubber production in Southeast Asia's new regions of rubber expansion*

10:55 Steven McGreevy*, Research Institute for Humanity and Nature; *New settlers in a withering rural Japan: changing notions of the "good life" and prospects for sustainability*

11:15 Aparna Parikh*, Dartmouth College; *Erasures in 'sustainable' development: gendered negotiations of shifting urban edges in Mumbai, India*

Friday-021-9:55 a.m. CJRS 7. Retailing and the City

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): John Miron, University of Toronto

CHAIR: John Miron, University of Toronto

9:55 Kevin Credit*, University of Chicago; Emily Talen, University of Chicago; Luc Anselin, University of

Chicago; Irene Farah, University of Chicago; *The Death and Life of Mom and Pop: An analysis of small-scale retail*

10:15 Ling Zhang*, University of Central Arkansas; *Suburbanization of Retailing in Shanghai: The Case of Hypermarket Sector*

10:35 Irene Farah*, University of Chicago; Luc Anselin, University of Chicago; *Local Patterns of Co-Location in the Retail Sector*

10:55 Avijit Sarkar*, University of Redlands; James Pick, University of Redlands; Thomas Horan, University of Redlands; *Location Analytics in Contemporary Businesses: A Value Chain Perspective*

11:15 Gang Xu*, Department of Geography & Sustainable Planning, Grand Valley State University; Wanxiao Sun*, Department of Geography & Sustainable Planning, Grand Valley State University; *Intra-metropolitan Retail Structure in the United States: An Analysis of the 20 Largest U.S. Metropolitan Areas*

Friday-022-9:55 a.m. Global Rural Transitions and Sustainability (IGU-CSRS & RGSG New Voices sponsored) (Sponsored by Rural Geography Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Holly Barcus, Macalester College; Andrew Husa; Avantika Ramekar, Kansas State University

CHAIR: Avantika Ramekar, Kansas State University

9:55 Angel Pita-Duque*, Professor, Universidad Autonoma Chapingo, Mexico; Mariano Vázquez-Pérez, Centro de Innovación y Desarrollo Integral de Capacidades S.C.; *Exchange of native avocado germplasm among small-scale farmers in a Mexican village*

10:15 Andrew Husa*, *Mapping and Chronicling Population Growth in Rural Nebraska*

10:35 Holly Barcus*, Macalester College; *The Changing Rural Periphery: Contested Landscapes, Agricultural Preservation, and New Rural Residents*

10:55 Veneranda Juarez-Varela*, PhD, Universidad Autonoma Chapingo; *Challenging patriarchal norms: Returning women migrants from El Arrogante de Benitez, Oaxaca, Mexico*

11:15 Avantika Ramekar*, Kansas State University; *Using a mixed method approach to evaluate risk perceptions in rural communities in Kansas and Oklahoma*

Friday-023-9:55 a.m. Smart Urban Experimentation 2: Opening the Blackbox of Knowledge Politics & Decision-making. (Sponsored by Digital Geographies Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rachel Macrorie, University of Sheffield; Philipp Spaeth, Freiburg University; Pamela Robinson, Ryerson University

CHAIR: Pamela Robinson, Ryerson University

9:55 Fredrik Envall*, Linköping University; Harald Rohrer*, Linköping University; Dick Magnusson, Linköping University; *Smart energy experiments in urban settings: knowledge circulation and infrastructural power*

FRIDAY April 5 • 9:55 AM - 11:35 AM

10:15 Rachel Macrorie*, University of Sheffield; *Ready-made smart homes: Tracing the knowledge politics of autonomous housing assembly and integrated smart technologies.*

10:35 Debra Mackinnon*, Queen's University; "Smart" Accounting: Accounts and Accountability with Urban Asset Management Applications

10:55 Tom Narins*, University at Albany; Ryan Kiggins, University of Central Oklahoma; *Surveillance in Smart Cities: Technology induced spatial reconfigurations of governance in Shanghai and Mexico City*

11:15 Timothy Moss*, IRI THESys Humboldt University of Berlin; Friederike Voigt, IRI THESys Humboldt University of Berlin; *Smart urban nature: digital publics re-coding ecology in Berlin*

Friday-024-9:55 a.m. Geographies of Education VI: Focusing on Students' Experiences and Research (Sponsored by Critical Geographies of Education Specialty Group, Cultural Geography Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Beyhan Farhadi, University of Toronto

9:55 Katie Merkle*, *Implementing a Trauma Sensitive Framework within Geography*

10:15 Haibin Su*, Texas A&M University - Kingsville; *Pathways to Geospatial Intelligence for Underrepresented South Texas Students - Vertical Integration Approach*

10:35 Zia Salim*, California State University - Fullerton; *Project-Based Research in Undergraduate Urban Geography Courses: Student and Faculty Perspectives*

10:55 Matthew Wilson*, University of Kentucky; *Cartographic speed, slow maps, and muscular coordination*

11:15 Lynn Moorman*, Mount Royal University; *Do you see what I see? Eye-tracking in geospatial education research*

Friday-025-9:55 a.m. Environmental Reconstructions in the Western US

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kaylee Jones, University of Utah; Jacqueline Shinker, University of Wyoming

CHAIR: Kaylee Jones, University of Utah

9:55 Kaylee Jones*, University of Utah; *Bonneville Basin paleoenvironmental reconstructions using a multi-proxy approach on desert spring sediments.*

10:15 Andrea Brunelle*, University Of Utah; Kaylee Jones, University of Utah; Isaac Hart, University of Utah; Jennifer Degraffenried, Dugway Proving Ground; *20,000 years of fire history from the West Desert, Utah*

10:35 Erik Schiefer*, Associate Professor, Northern Arizona University; Jason Geck, Assistant Professor, Alaska Pacific University; Michael Loso, National Park Service; Johnse Ostman, US Geological Survey; Nicholas McKay, Assistant Professor, Northern Arizona University; Darrell Kaufman, Professor, Northern Arizona University; *Hydrometeorological controls of fluvial suspended sediment transfer and lake sedimentation at Eklutna Lake, Alaska*

10:55 Gregory Bohr*, California Polytechnic State University, San Luis Obispo; *Drought vulnerability and winter precipitation in California*

11:15 Jacqueline Shinker*, University of Wyoming; *Understanding climate controls of paleoenvironmental change in the Western U.S. using modern climate analogs*

Friday-026-9:55 a.m. Mixed Drinks: Geographies of Wine, Beer, and Spirits (IV) (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Colleen Myles, Texas State University; Percy Dougherty, Kutztown University of Pennsylvania

CHAIR: Colleen Myles, Texas State University

9:55 Paul Zunkel*, Emporia State University; *The Culinary Culture and Goût du Terroir of Bloody Mary Cocktails*

10:15 Christian Rogerson*, University of Johannesburg; *African Traditional Beer: Changing Organisation and Spaces of South Africa's Sorghum Beer Industry*

10:35 Emine Evered, Michigan State University; Kyle Evered*, Michigan State University; *Drinking lion's milk in modern Turkey: a cultural geopolitics of raki*

10:55 HUI YANG*, University of Hull; David Gibbs, University of Hull; Andy Jonas, University of Hull; *Brands and Branding: an Analysis of the Identification and Development of Spirit Industry Clusters in China*

11:15 Christopher Holtkamp*, PhD, AICP, University of Wisconsin River Falls; Brendan Lavy, PhD, University of Texas Rio Grande Valley; Russell Weaver, PhD, Texas State University; *Leaving the Old Kentucky Home: Emerging Landscapes of Bourbon Production*

Friday-027-9:55 a.m. Eastern Africa: Geographic Approaches to Human and Human-Environment Relationships (I) (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jessica Marter-Kenyon, University of Georgia; Justin Mullikin, Rutgers University

CHAIR: Jessica Marter-Kenyon, University of Georgia

9:55 Introduction(s): Jessica Marter-Kenyon, University of Georgia

10:05 Anna Solberg*, Kent State University; *Why Tourist Perceptions Matter: Exploring Safari Tourism and its Environmental Impacts*

10:25 Mary Kinyanjui*, Nairobi University-IDS; *My experience in the search for geographical knowledge in the colonial and postcolonial archive at the Kenya National Archive.*

10:45 Sarah Posner*, University of Colorado; *Food Security and Rural Livelihoods in Kenya*

11:05 William Collier*, Clark University; *Disarticulations and determinations of value through tea production in Kenya's Mau Forests Complex*

Friday-028-9:55 a.m. Haze Issues and Regional Environment

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sha Zhou; Ning Liu

CHAIR: Sha Zhou

FRIDAY, April 5 • 9:55 AM - 11:35 AM

9:55 Sha Zhou*, Ning Liu, School of Geographic Sciences, East China Normal University, Shanghai, 200241, China; Chaoshun Liu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University, Shanghai; *Potential source identification for haze events in Shanghai during 2013 to 2015*

10:15 Ning Liu*, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; Sha Zhou, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; Chaoshun Liu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; Jianping Guo, State Key Laboratory of Severe Weather, Chinese Academy of Meteorological Sciences; *Impact of synoptic circulation pattern on boundary layer structure and PM_{2.5} during wintertime haze pollution in Shanghai*

10:35 Jiansheng Wu, Key Laboratory for Urban Habitat Environmental Science and Technology, Shenzhen Graduate School, Peking University, Shenzhen 518055, PR China; Jingtian Liang*, Key Laboratory for Urban Habitat Environmental Science and Technology, Shenzhen Graduate School, Peking University, Shenzhen 518055, PR China; Xurui Ren, Key Laboratory for Urban Habitat Environmental Science and Technology, Shenzhen Graduate School, Peking University, Shenzhen 518055, PR China; *Does the "Beijing-Tianjin-Hebei air pollution transferring channel" really exist? A cross wavelet analysis of PM_{2.5} and wind time series in northern China*

Friday-031-9:55 a.m. Roundtable on Geography and Global Studies (Sponsored by Political Geography Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Gustavo Oliveira, University of California - Irvine; Yousuf Al-Bulushi, University of California, Irvine

CHAIR: Gustavo Oliveira, University of California - Irvine

Panelist(s): Emily Gilbert, University of Toronto; Gillian Hart, Professor Emerita, University of California, Berkeley; Jordanna Matlon, American University; Heidi Nast, Professor, DePaul University

Discussant(s): Sharad Chari, University of California, Berkeley

Friday-032-9:55 a.m. Emerging Geographies of Amazonia: Lessons for a Changing World V (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jennifer Langill, McGill University; Michael Waylen, University of Florida; Gabriel Carrero, University of Florida

CHAIR: Michael Waylen, University of Florida

9:55 Stephen Aldrich*, Associate Professor, Indiana State University; Cynthia Simmons, PhD, University of Florida; Eugenio Arima, PhD, University of Texas-Austin; *Agronomic or Contentious Land Change? A Longitudinal Analysis from the Eastern Brazilian Amazon*

10:15 Oliver T. Coomes*, McGill University; Christian Abizaid, Department of Geography & Planning and School of Environment, University of Toronto,

Toronto, Canada; Yoshito Takasaki, Graduate School of Economics, University of Tokyo, Tokyo, Japan; Carlos Regnifo Upiachihua, Independent; *Pre-Columbian Archeological Complex Discovered on the Lower Ucayali River, Peru*

10:35 Alexandra Sabo*, University of Florida; *Social Mobilization and the Green Governance of Hydropower in the Amazon: The case of the Santo Antonio and Jirau dams*

10:55 Neha Kohli*, University of Florida; Aline Carrara, University of Florida; *Indigenous rights under neoliberal regimes in India and Brazil*

11:15 Breno Pietracchi*, Environmental Defense Fund; Ruben Lubowski, Environmental Defense Fund; Gabriela Leslie, Environmental Defense Fund; *Opportunity Cost of Avoiding Legal Deforestation in Mato Grosso, Brazil*

Friday-033-9:55 a.m. Symposium on Frontiers in Geospatial Data Science: Education Advances and Challenges in Geospatial Data Science

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Karen Kemp, University of Southern California

CHAIR: Karen Kemp, University of Southern California

9:55 Susan Kamei*, Managing Director, USC Spatial Sciences Institute; Yao-Yi Chiang, Ph.D., USC Spatial Sciences Institute; Beau MacDonald, USC Spatial Sciences Institute; *Integrating GIS Research into the Geospatial Undergraduate Student Experience*

10:15 Weihe Wendy Guan*, Harvard University; *Understanding the Ecosystem of Geospatial Research and Service in Universities*

10:35 Rebecca Vandewalle*, Geography, University Of Illinois, Urbana Champaign; *Geospatial Software Institute Community Survey Results*

10:55 Coleman Shepard*, Eric Shook, University of Minnesota; *Hour of Cyberinfrastructure: Using Data-Driven Education to Improve CyberGIScience Education*

11:15 Discussant(s): Karen Kemp, Professor, University of Southern California

Friday-033.5-9:55 a.m. Human Geography II

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Jacqueline Waite, Environmental Protection Agency - WASHINGTON, DC

9:55 Mark F Manone*, Northern Arizona University; Lori Rubino-Hare, Northern Arizona University; Brooke A Whitworth, University of Mississippi; Eric Nolan, Northern Arizona University; Nena Bloom, Northern Arizona University; *Power of Data Project - Improving Teaching and Learning Using Data Enhanced Geospatial Inquiry*

10:00 Adams Abdul Salam*, *Working with male international students to support their mental health needs*

10:05 Heidi J. L. Lannon*, Santa Fe College; Katie Stofer, University of Florida; Carene Matyas, University of Florida; Jasmeet Judge, University of Florida; *Cohort building with underrepresented students in Geography*

10:10 Emmanuel Asafo-Adjei*, University of Western Ontario; Michael Buzzelli, PhD, University of Western Ontario;

FRIDAY April 5 • 9:55 AM - 11:35 AM

Examining the relationship between the university and its host community through the lens of work-integrated learning: the experience of Ontario's universities

- 10:15** Jacqueline Waite*, Environmental Protection Agency - WASHINGTON, DC; *Using the US EPA's RE-Powering Mapper Tool for education purposes*
- 10:20** Eric Wilson*, *Augmented Reality in Geographic Education*
- 10:25** Zihao Yu*, East China Normal University; *Does Meme Play a Role in the Formation of Technological Trajectory? —Re-Examining the Meme Theory in Current Geopolitical Tensions*
- 10:30** Jane Osmond, Dr, Coventry University; Andree Woodcock*, Prof, Coventry University; *Academic women and travel*
- 10:35** Kathryne-Anna Nelson*, *Potential for Application of Intersectional Framework by Sexual Assault Related Programs in the United States*
- 10:40** Mia White*, The New School for Social Research; *Black Geographies - A Pedagogical and Research Overview*
- 10:45** Rosemary Wanyoike*, St Paul's University; Daniel Nzengya, PhD, St Paul's University; *Are pro-poor water supply approaches in Africa's burgeoning slums working for women with children under five? A study in Nakuru, Kenya*
- 10:50** Florence Dery*, Title; Elijah Bisung, Queen's University; *Water, Sanitation and Hygiene, and Empowerment? Perspective from Community Stakeholders in Asutifi North Ghana.*
- 10:55** Florence Wulfo Anfaara*, University of Western Ontario; Kilian Nasung Atouye, University of Western Ontario; Isaac Luginaah, PhD, University of Western Ontario; *A Multilevel Analysis of the Determinants of Knowledge of HBV Transmission in the Upper West Region of Ghana*

Friday-034-9:55 a.m. Anthropocene Anxieties: Post-humanist and Psychoanalytic Approaches in Dialogue with Political Ecology (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Paul Robbins, Nelson Institute for Environmental Studies University of Wisconsin; Karen Bakker, University of British Columbia

CHAIR: Karen Bakker, University of British Columbia

- 9:55** Mohammed Arefin*, New York University; *The Abject in History: Psychoanalysis, Political Economy, and Waste in Archives*
- 10:15** Heidi Hausermann*, Colorado State University; David Ferring, Rutgers University; *Malaria & Mental Health: The Political Ecology of Landscape Change and Cumulative Vulnerability in Central Ghana's Gold Mining Country*
- 10:35** Jared Margulies*, University of Sheffield; *Desire and the non-human: the illicit cactus and affective geographies of extinction*
- 10:55** Dawn Hoogeveen*, University of Northern British Columbia; Sarah de Leeuw, University of Northern British Columbia; *Ecological Anxiety: Emotional Geographies of Resource Extraction and Regulation*
- 11:15** **Discussant(s):** Paul Kingsbury, Professor, Simon Fraser University

Friday-035-9:55 a.m. Stealth 'Unknown-Knowns', Environmental Knowledge and Scientific Uncertainty: Exploring the Connections (2) (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Gregory Simon, University of Colorado Denver; Trevor Birkenholtz, University of Illinois at Urbana-Champaign

CHAIR: Gregory Simon, University of Colorado Denver

- 9:55** Trevor Birkenholtz*, Associate Professor, University of Illinois at Urbana-Champaign; Devin Mannix, Assistant Scientist, Hydrogeology, Illinois State Water Survey; *Uncertainty in At-Risk Water Supplies of Northeast Illinois: Participatory groundwater models for future water-supply scenarios*
- 10:15** Apollonya Porcelli*, Brown University; *A brief history of Latin American oceanography: How the collapse of the world's largest fishery transformed science*
- 10:35** Mary Mostafanezhad*, University of Hawai'i at Manoa; Olivier Evrard, The French Research Institute for Development; *Particulate Matters: Uncertainty and the Political Ecology of Air Pollution in Northern Thailand*
- 10:55** Mara Goldman*, Associate Professor, University of Colorado, Boulder; Shruthi Jagadeesh, University of Colorado-Boulder; *Intersectionality and Triage: Accountability in accounting for difference in conservation research and action with communities, a look at work from South India.*
- 11:15** David Kneas*, University of South Carolina; *Paging Dr. Copper*

Friday-037-9:55 a.m. Gendering the Smart City 1: Emerging (Gendered) Spaces of Smart Cities (Sponsored by Digital Geographies Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Ryan Burns, University of Calgary; Ayona Datta, King's College London; Nabeela Ahmed, King's College London

CHAIR: Ryan Burns, University of Calgary

- 9:55** Persis Taraporevala*, King's College London; *Ordinary Ethics and #MeToo – Unpacking the appropriation of technology for empowerment in India*
- 10:10** **Discussant(s):** Shalini Sharma, Dr, University of East Anglia
- 10:25** **Discussant(s):** Sophia Maalsen, Dr, The University of Sydney
- 10:40** Kate Nelischer*, University of Toronto; *Who Plans Sidewalk Toronto?*
- 10:55** **Discussant(s):** Max Andrucki, Adjunct Assistant Professor, Temple University

Friday-038-9:55 a.m. Messy Infrastructure, Digital Labor, and the Everyday City II: Territory and Authority (Sponsored by Digital Geographies Specialty Group, Urban Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): John Stehlin, University of Manchester; Will Payne, University of California - Berkeley

FRIDAY, April 5 • 9:55 AM - 11:35 AM

CHAIR: John Stehlin, University of Manchester

9:55 Nick Lally*, University of Kentucky; *Predictive policing and the development of doubt*

10:15 Julian Brash*, Associate Professor, Montclair State University; *Beyond Neoliberalism: Power on the High Line*

10:35 Leah Horgan*, UC Irvine; Paul Dourish, Professor, UC Irvine; *The Everyday of Future-Avoiding: Data-drivenness and Administering the Smart City*

10:55 William Westgard-Cruice*, Lukas PETER*; *Computer says "No": assigning semiotics and the diagrammatic functioning of the data center*

11:15 **Discussant(s):** Andres Luque-Ayala, Durham University, UK

Friday-039-9:55 a.m. Teaching and Learning in Geography (Sponsored by Geography Education Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Erin Fouberg, Northern State University; Caroline McClure, Texas State University

CHAIR: Erin Fouberg, Northern State University

9:55 Caroline McClure*, Texas State University; *The National Geographic Alliance Network: Measuring Influence of a Grassroots Network*

10:15 Elizabeth Dzwonczyk*, United States Military Academy; David J Leydet, United States Military Academy; *Assessing the Efficacy of Structured Reading Questions on Test Performance in an Undergraduate Geography Course*

10:35 Janet Smith*, Shippensburg University; *Fortnite Survival: Spatial Thinking and Map Reading Skills Required*

10:55 Erin Fouberg*, Professor of Geography, Northern State University; *Finding Your Way in Liminal Space: Threshold Concepts and Curriculum Design in Geography*

11:15 Rose Hildebrandt*, Michigan Technological University; Don Lafreniere, Michigan Technological University; *Empowering Youth to Be a Voice in Neighborhood Change Through Geospatial Technologies*

Friday-040-9:55 a.m. W3_7 Modern-Day GIS (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Friday-041-9:55 a.m. GeoAI and Deep Learning Symposium: Spatial Machine Learning and GeoAI Case Studies (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Esri)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Orhun Aydin, Esri

CHAIR: Orhun Aydin, Esri

9:55 Amin Tayyebi*, ESRI; Daniel Wilson, ESRI; Omar Maher, ESRI; Shairoz Sohail, ESRI; *High Resolution Land Cover Mapping across the Conterminous USA using Deep Learning*

10:15 Shairoz Sohail*, Esri; Omar Maher, Esri - Manager; Amin Tayyebi, Esri - Colleague; Daniel Wilson, Esri - Colleague; Rohit Singh, Esri - Colleague; *Automated Detection and Classification of Damaged Structures using Deep Learning*

10:35 Francesco Serafin*, Colorado State University; Olaf David, Colorado State University; Charles Ehlschlaeger, CERL US Army Engineer Research and Development Center; Andre Dozier, Colorado State University; Jack Carlson, Colorado State University; *FeNS: Framework-enabled NEAT-based Surrogate modeling*

10:55 Roberto Ponce-Lopez*, Instituto Tecnológico de Estudios Superiores de Monterrey; *Using Google Place API and machine learning to characterize non-work destinations*

11:15 Dong Luo*, Marcellus M. Caldas, Kansas State University; Paulo De Marco Junior, Federal University of Goias; *Estimate how pollination service affect soybean yield in the Brazilian Cerrado using remote sensing and multidisciplinary approaches*

FRIDAY April 5 • 9:55 AM - 11:35 AM • Poster Sessions

Friday-043.1-9:55 a.m. Cultural Geography Specialty

Group Poster Session Competition: Methods, Objects, Meanings, Publics (Sponsored by Cultural Geography Specialty Group, Routledge, Taylor & Francis Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Timur Hammond, Syracuse University; Andrew Husa

- 002 Poster(s)** David Garrido Rojas*, Centro de Investigaciones en Geografía Ambiental, UNAM; Pedro Sergio Urquijo Torres, Centro de Investigaciones en Geografía Ambiental, UNAM; *Characterization, perception and cultural links with soundscape. The case of Pacanda island in Lake Patzcuaro, Michoacan*
- 003 Poster(s)** Victoria Okoye*, University of Sheffield; *Spatial practices of claiming place: Learning from everyday life in Accra, Ghana*
- 004 Poster(s)** Jennifer Mapes*, Associate Professor, Kent State University; Sara Koopman, Kent State University; Christopher Willer, Kent State University; *Mapping stories of the Kent State shooting: voices of the community*
- 005 Poster(s)** Jamila Moore Pewu*, Assistant Professor, California State University - Fullerton; Mariana Bruno, California State University - Fullerton; Carl Privette, California State University - Fullerton; *Mapping Arts OC: Expanding Public Art and Spatial Practice in Santa Ana CA*
- 006 Poster(s)** Amanda Weber*, Oklahoma State University; *Staten Island Marine Hospital Quarantine: A Case Study in the Shaping of New York Public Health Policy*
- 007 Poster(s)** Jessica Warren*, Universiteit van Amsterdam; *Packages Next Door: An Investigation of Neighboring in a Dense, Urban Context*
- 008 Poster(s)** Kate Schlott*, Graduate Center - City University of New York; *Reordering Hawaiian Space: A View of Tourism in Settler Hawaii*
- 009 Poster(s)** John Western*, Syracuse University; *Seaside Social Change: Margate 1938-2018*
- 0010 Poster(s)** Adam Hasan*, University of North Carolina - Chapel Hill; *Creating and Remembering the Mahatma in Pietermaritzburg: From Passive Resistance to Democracy*
- 0011 Poster(s)** Jewon Ryu*, Department of geography, Kyung Hee university; Yong Hyuk Cho, Department of geography, Kyung Hee University; *Political geography of selective memory and place composition: Based on the case of Hapcheon-gun, 'Vulnerable region of Korea'*
- 0012 Poster(s)** Caitlin Lebeda*, University of Denver; *The Visual Impacts of National Park Designation on Gateway Communities in the United States: A Photographic Examination of Estes Park, Colorado*
- 0013 Poster(s)** Daniel Cole*, GIS Coordinator & Chief Cartographer, Smithsonian Institution; *Visualizing the Cultural and Physical Landscape of the Trans-Continental Railroad for an Exhibit at National Museum of American History*
- 0014 Poster(s)** Elijah Freiman*, SUNY - Geneseo; *Mapping Inundation of Native American Cultural Sites by the Allegheny Reservoir, Cattaraugus County, New York*
- 0015 Poster(s)** Janet Tennent*, Patawomeck Indians of White Oak, Stafford County, Virginia

- 016 Poster(s)** Anna Winiarczyk-Razniak*, Pedagogical University of Cracow; Piotr Razniak, Pedagogical University of Cracow; *My home, my identity – the traditional place of residence of the Yucatan Maya in a cultural context*

- 017 Poster(s)** Anna Khan*, University of Wisconsin - Eau Claire; Anneli Williams, University of Wisconsin - Eau Claire; Erica Benson, Dr., University of Wisconsin - Eau Claire; *Investigating Language Perceptions in the Midwest with GIS*

- 018 Poster(s)** John Delconte*, MS, University of Massachusetts - Amherst; Rod Warnick, PhD, University of Massachusetts - Amherst; Mark Hamin, PhD, University of Massachusetts - Amherst; Elizabeth Brabec, JD, University of Massachusetts - Amherst; Suzanne LoManto, Turners Falls RiverCulture; *Measuring Place Vibrancy in Three Massachusetts Villages After Arts and Cultural Interventions*

- 019 Poster(s)** Haley Churchill*, University of Wisconsin-Eau Claire; Josie Myers*, University of Wisconsin-Eau Claire; Ezra Zeitler*, University of Wisconsin-Eau Claire; *Thematic and Design Paradigms in Minnesota's Official Highway Maps, 1936-2018*

- 020 Poster(s)** David Fox*, Instructor and Program Coordinator for Geography and Geology, Park University; *Using Bird's Eye View Maps to Analyze Nineteenth Century Postbellum Urban Development in Western Missouri*

Friday-043.2-9:55 a.m. Eurasian Environments Poster Competition (Sponsored by Eurasian Specialty Group, Routledge, Taylor & Francis Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nathaniel Trumbull, University of Connecticut; Edward Holland, University of Arkansas

- 002 Poster(s)** Ningxi Zhao*, Nanjing University (NJU); *"3D" China tourism appreciation analysis & exploration" (I)*
- 003 Poster(s)** Carla Ferrario*, Department of Economics and Business Studies - Università del Piemonte Orientale; Raffella Afferni, professor, Department of Humanities - Università del Piemonte Orientale; *"Italian Mountain Lab" an opportunity to communicate the experience tourism*
- 004 Poster(s)** Jason Yang*, Ball State University; Hongfen Zhu, Shanxi Agricultural University; Rutian Bi, Shanxi Agricultural University; *Revealing the 2D scale-location specific variations of soil properties in the coal mining area of Changhe watershed, China*
- 005 Poster(s)** Jun Ma*, Fudan University; Xiangming Xiao, University of Oklahoma; Qin Qin, Eco-environmental Protection Research Institute, Shanghai Academy of Agricultural Sciences; *Trends and controls of gross primary productivity of China during 2000-2016*
- 006 Poster(s)** Wang Jing*, Wuhan University; Yifan Lin, Peking University; Tianlin Zhai, Wuhan University; *The Role of Human Activity in Decreasing Ecologically Sound Land Use in China*
- 007 Poster(s)** ZHE WANG*, *Tourism Livelihood in Ethnic Rural Communities: The Case of China*
- 008 Poster(s)** Chih-Yuan Chen*, Department of Geography, Chinese Culture University; Hao-Chun Hsu, Department of Geography, Chinese Culture University; You-Ming Xu, Department of Geography, Chinese

FRIDAY, April 5 • 9:55 AM - 11:35 AM • Poster Sessions

Culture University; Pei-Yu Luh, Department of Geography, Chinese Culture University; You-Ru Lin, Department of Geography, Chinese Culture University; Chih-Chi Kao, Department of Geography, Chinese Culture University; *Trajectory Understanding and Spatial-temporal Profile Learning Based on Mobile Crowdsourced Data*

- 009 Poster(s)** Huan Wang*; *Temporal analysis on quantitative attribution of karst soil erosion: A case study of a peak-cluster depression basin in Southwest China*
- 0010 Poster(s)** Jochen Wirsing*; *The Demographic Impact of the 2008 Recession - A European Perspective*
- 011 Poster(s)** Jian Jin*; *The Development of Housing Security System in China*
- 012 Poster(s)** Jiangmin Yang*, School of Geography and Planning, Sun Yat-Sen University; Yiming Tan, School of Geography and Planning, Sun Yat-Sen University; Desheng Xue, School of Geography and Planning, Sun Yat-Sen University; *The Impacts of Globalization on City Environments in Developing Countries: A Case Study of 21 Cities in Guangdong Province, China*
- 013 Poster(s)** Jingxue Xu*; *The influence of Beijing city parks on residents' physical activities*
- 014 Poster(s)** Teng Zhang*; Zuopeng Xiao, Harbin Institute of Technology, Shenzhen; *Spatial Changes of a danwei Compound in Beijing - A Perspective on Property Rights*
- 015 Poster(s)** Shan SONG*, Nagoya University; Can WANG, Tongji University; *Spatial characteristics of demand and supply of elderly care institution in Shanghai*
- 016 Poster(s)** Jiaqi Xu*, East China Normal University; Chengliang Liu, clliu@re.ecnu.edu.cn; *Spatial dynamics of the agricultural product trade network in the Belt and Road: A social network approach, 2005–2016*
- 017 Poster(s)** Xiaoqian LIU*, Institute of Geographical Sciences and Natural Resources Research; Tao PEI, Institute of Geographical Sciences and Natural Resources Research; Bin Meng, Beijing Union University; *Spatial estimation of municipal household wastes on community level by integrating multiple geographical big data and social survey*
- 018 Poster(s)** Wei Hu*, Faculty of Geographical Science, Beijing Normal University; Yuan Hu, School of Economics, Dongbei University of Finance and Economics; Yuejing Ge, Faculty of Geographical Science, Beijing Normal University; Yu Huang, Faculty of Geographical Science, Beijing Normal University; Zhiding Hu, School of Tourism and Geography Science, Yunnan Normal University; Yabo Zhao, School of Architecture and Urban Planning, Guangdong University of Technology; *Sustainability evaluation of Chinese marine eco-economic system based on emergy analysis*
- 019 Poster(s)** Alexis Mulkey*, University of Texas at Austin; *Sweden: The Perfect Place*
- 020 Poster(s)** Ezra Rawitsch*, University of North Carolina - Chapel Hill; *Seeing Sapa: Views of a Prague Marketplace in the Post-Socialist Cityscape*
- 021 Poster(s)** Polina Prokof'yeva*, Concord University; *Soviet America: A Case Study of Migrants from Former Soviet Socialist Republics in the Washington D.C. Metropolitan Area*
- 022 Poster(s)** Maria Monakhova*, University of Northern Iowa; *Municipal Policies and Programs for Sustainable Development in Russian Arctic Cities: Magadan*

- 023 Poster(s)** Natalia Khortseva*, University of Northern Iowa; *Municipal Policies and Programs for Sustainable Development in Russian Arctic Cities: Murmansk*
- 024 Poster(s)** Qiuxi Li*, University of Delaware; *Integrating Drone, Participatory Mapping and GIS for Enhancing Resilience in Remote Communities*
- 025 Poster(s)** Zhihua Gao, School of Geography, Faculty of Geographical Science, Beijing Normal University; Wenjie Mao, School of Geography, Faculty of Geographical Science, Beijing Normal University; Jing'ai Wang*, School of Geography, Faculty of Geographical Science, Beijing Normal University; Key Laboratory of Environmental Change and Natural Disaster, MOE, Beijing Normal University; *Investigation and countermeasures of China's middle school disaster reduction education*
- 026 Poster(s)** Xiaojun Yang*, Florida State University; Di Shi, Department of Geography and Atmospheric Science, University of Kansas; Shijun Jiang, Institute of Groundwater and Earth Sciences, Jinan University, Guangzhou, China; Hongyu Yan, Institute of Groundwater and Earth Sciences, Jinan University, Guangzhou, China; *Land Cover Classification in the Dianchi Watershed, China: A Preliminary Study*
- 027 Poster(s)** Wen Wu*; *Impacts of Changing Forest Management Areas on Forest Landscapes and Habitat Patterns in Northeastern China*
- 028 Poster(s)** Jasmine Arpagian*, San Diego State University; *Informal Residential Occupation in the Historic Center of Bucharest*
- 029 Poster(s)** Wencong Cui*, Texas A&M University; *Localized Spatiotemporal Relationship Between Industrial Electricity Consumption and Economic Growth: A Case Study of China*
- 030 Poster(s)** Caicheng Niu*, East China Normal University; *Connectivity of multi-mode intercity passenger transportation in the Yangtze River Economic Belt, China*
- 031 Poster(s)** Petr Grin*, University of Northern Iowa; *Cooperation and Rivalry Among the Arctic Countries: An Example of the Oil Industry*
- 032 Poster(s)** Shan Li*; Xun Li, Sun Yat-Sen University; Haohui Chen, Commonwealth Scientific and Industrial Research Organisation; Wei Lang, Sun Yat-Sen University; *China's Export Evolution in Global Product Spatial Network from 2000 to 2011*
- 033 Poster(s)** Muhammad Ahmed Waqas*, Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences; Yu'e Li, Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences; *Combined use of balanced mineral and organic fertilizers sequester more carbon in soils and produce high and stable grain yields in China*
- 034 Poster(s)** Wil Blouin*, University of Wisconsin - Eau Claire; Harry Jol, Ph.D, University of Wisconsin - Eau Claire; Joseph Beck, University of Wisconsin - Eau Claire; Sam Schneider, University of Wisconsin - Eau Claire

FRIDAY April 5 • 9:55 AM - 11:35 AM • Poster Sessions

Claire; *Applying non-linear interpolation methods at a Lithuanian Holocaust mass burial site*

- 035 Poster(s)** Lincoln Butcher*, *Blue Sky Olympics: Satellite Observations of Emissions Control During the 2008 Beijing Olympics*

Friday-043.3-9:55 a.m. Geography Education Poster

Competition: Making Connections to the Community (Sponsored by Geography Education Specialty Group, Routledge, Taylor & Francis Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University; Candice Luebbering, American Association of Geographers

- 002 Poster(s)** Dawn Hawley*, NORTHERN ARIZONA UNIVERSITY; Amanda Burns, Northern Arizona University; Rachael Smith, Northern Arizona University; *Internships and the Local Community: Building Relationships through Projects and Transitioning into Professionals*
- 003 Poster(s)** Randy Peppler*, University of Oklahoma; Travis Gliedt, University of Oklahoma; Gary Gress, University of Oklahoma; Alexis Miller, University of Oklahoma; *Community Connections at the University of Oklahoma: Green Week, Geography and Environmental Sustainability Club, and Geography Day*
- 004 Poster(s)** Petra Zimmermann*, Ball State University; *The Cardinal Weather Service: A Student-Driven Community Resource*
- 005 Poster(s)** Renata Blumberg*, Montclair State University; Lauren Dinour, Montclair State University; Claudia Urdanivia, Montclair State University; *Fostering a Feminist Pedagogy of Sustainable Food Systems*
- 006 Poster(s)** Julia Wentzel*, UC Davis Geography Graduate Group; Clare Cannon, PhD, University of California, Davis; *Addressing environmental health concerns of community residents of Kettleman City, CA: A community-based approach to examining exposure and assessing community health*
- 007 Poster(s)** Fan Zhang*, Xun Li, School of Geography and Planning Sun Yat-Sen University Guangzhou, 51000 China; Wei Lang, School of Geography and Planning Sun Yat-Sen University Guangzhou, 51000 China; *Community Participatory Renewal under the Background of Transformation*
- 008 Poster(s)** Daniella Edey*, BS, Texas A&M; Courtney Thompson, Dr., Texas A&M University; Tracy Hammond, Dr., Texas A&M University; Amy Cornwell, Texas A&M University; Josh Cherian, MS, Texas A&M University; *Online Local Environment Hazards Education for Young Adults Using a Social Media Platform*
- 009 Poster(s)** Michael Mewborne*, University of South Carolina; *Geography Outreach to Pre-Service Teachers*
- 0010 Poster(s)** Katelyn Miner*, University of Northern Iowa; *The Geography of Citizen Science: Finding New Ways to Educate the Public Through International Citizen Science Opportunities Using Water Quality Testing*
- 0011 Poster(s)** Janet Felsten*, Baltimore Green Map; *K-12 Community Mapmaking – a Path to Instilling a Stewardship Ethic*
- 0012 Poster(s)** Christiana Saldana*, California State University - Long Beach; *Reframing: A Geographic Educational Approach in the River Cities*

- 013 Poster(s)** Allison Young*, Sinclair Community College; Jacqueline Housel, Sinclair Community College; *Mapping Across Disciplines: The Giant Ohio Map*

- 014 Poster(s)** Sara Peluso*, University of Central Florida; Amber Rutstein*, Citizen Science GIS; *Using Maps, Apps and Drones to Pave the Way to the Future*

- 015 Poster(s)** Leah Anderson*, Grand Valley State University; Kin Ma, Grand Valley State University; Jonathan Forbes*, Grand Valley State University; *University Geography faculty and club volunteers share excitement of GIS Day geospatial technologies with Western Michigan area middle school students*

- 016 Poster(s)** Nadia Bukach*, University of Richmond; Kristine Grayson, Biology, University of Richmond; Andrew Davidson, Life Sciences, Virginia Commonwealth University; James Vonesh, Center for Environmental Studies, Virginia Commonwealth University; Todd Lookingbill, Geography and the Environment, University of Richmond; *Biogeography in Richmond's rock pools: creating spatial analysis curriculum for place-based community learning across disciplines and institutions*

- 017 Poster(s)** Nathan Collyer*, University of Tennessee at Chattanooga; Shannon McCarragher*, Ph.D., University of Tennessee at Chattanooga; Amy Brock-Hon, Ph.D., University of Tennessee at Chattanooga; *Geography of Chattanooga: Engaging Community with Place Using Story Maps*

- 018 Poster(s)** Xining Yang*, Ph.D., Eastern Michigan University; Meng Hu, Eastern Michigan University; Tsu-Yin Wu, Ph.D., Eastern Michigan University; *A Community-Based GIS Approach for Promoting Physical Activity: Case Study in Southeast Michigan*

- 019 Poster(s)** Cara DiEnno, PhD, University of Denver, Center for Community Engagement to advance Scholarship and Learning; Lauren Collins, University of Denver, Center for Community Engagement to advance Scholarship and Learning; Mimiko Watanabe, University of Denver, Center for Community Engagement to advance Scholarship and Learning; Corey Martz*, University of Denver, Center for Community Engagement to advance Scholarship and Learning; *Community engagement through photovoice: understanding community strengths and concerns in the face of urban change*

- 020 Poster(s)** Robin Lewis*, Hobart and William Smith Colleges; Noelle Nichols, Hobart and William Smith Colleges; Alyssa Kelly, Hobart and William Smith Colleges; Sandro Carboni, Hobart and William Smith Colleges; *Sustainable Living and Learning Community (SLLC) Program: Assessing an Innovative Approach to Sustainability Education*

- 021 Poster(s)** Tracy Edwards*, Frostburg State University; *Reaching the Community: Utilizing Social Media to Extend Instruction Beyond the Classroom*

- 022 Poster(s)** Ola Ahlqvist*, The Ohio State University; *Taking service-learning to scale – matching university and partner needs*

- 023 Poster(s)** Julia Nadeau*, Bridgewater State University; Ryan King, Bridgewater State University; Kevin Bean, Bridgewater State University; *Globe-Trotting Inflatable Globes: An Impact Analysis between the Delaware Children's museum and Project EarthView from Bridgewater State University*

- 024 Poster(s)** Thandar Zone*, Syracuse University; *Community Participatory Planning for Neighborhood Parks in Syracuse, New York*

FRIDAY, April 5 • 9:55 AM - 11:35 AM

- 025 Poster(s)** John Jordan Edmond*, Radford University; Andrew Foy, Radford University; Richard Stockton Maxwell, Radford University; *Welcome to the Jungle: Using Virtual Reality to Bring the Rainforest to the Classroom*

Friday-043.4-9:55 a.m. Avenza Competition for Cartographic Design (Sponsored by Cartography Specialty Group, Avenza)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jeff Howarth, Middlebury College

Friday-047-9:55 a.m. GISS Specialty Group Student Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Ran Wei, University of California - Riverside

CHAIR: Ran Wei, University of California - Riverside

- 9:55** Xin Feng*, University of California, Santa Barbara; Alan Murray, University of California, Santa Barbara; Rick Church, University of California, Santa Barbara; *Location and Allocation under Spatiotemporal Heterogeneity: A case of optimizing drone-equipped stations*

- 10:15** HUANFA CHEN*, University College London; Yang Zhang, University College London; Tao Cheng, University College London; *A simulation-based optimisation model for site selection of bicycle-sharing stations*

- 10:35** Kangjae Lee*, PhD Student, Illinois Informatics Institute, University of Illinois at Urbana-Champaign; *Learning from predictive analytics: interpretation of contextual influences on transport modes with potential mapping*

- 10:55** Chanwoo Jin*, San Diego State University; Atsushi Nara, San Diego State University; Jiue-An Yang, Calit2/Qualcomm Institute, University of California San Diego; Ming-Hsiang Tsou, San Diego State University; *Similarity Measurement on Human Mobility Data with Spatially Weighted Structural Similarity Index (SpSSIM)*

- 11:15** Jue Wang*, University of Illinois at Urbana-Champaign; Mei-Po Kwan, University of Illinois at Urbana-Champaign; *An Analytical Framework for Integrating the Spatiotemporal Dynamics of Environmental Context and Individual Mobility in Exposure Assessment*

Friday-048-9:55 a.m. Hazards, Risks, and Disasters 6 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Naomi Lazarus, California State University - Chico

- 9:55** Elizabeth Moore*, Rochester Institute of Technology; Callie W Babbitt, PhD, Rochester Institute of Technology; Brian Tomaszewski, PhD, Rochester Institute of Technology; *Geospatial Analysis of Electric Vehicle Battery Re-Use Pathways for Urban Resilience and Disaster Preparedness*

- 10:15** Alexander Temes*, Oklahoma State University; *Studying Fire and EMS Accessibility in the Context of Urban Sprawl*

- 10:35** Jennifer Boehnert*, NCAR; Kevin Sampson, NCAR; *Colorado Fire Prediction System*

- 10:55** Jim Turnure*, US Energy Information Administration; *Geospatial Data Coordination for Emergency Response*

- 11:15** Peter Howe*, Utah State University; *"Downscaling" social survey data: advances in small-area estimation models for climate change and hazards decision making*

Friday-049-9:55 a.m. Environmental Impacts and Factors of Agriculture and Renewable Energy Development

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Richard Mbih, Pennsylvania State University

- 9:55** Michel Deshaies*, Université de Lorraine; *Factors of location and limits to the development of wind farms in the Grand Est region (France)*

- 10:15** Ivonne Weichold*, PROGRAM IN ARCHITECTURE, EUROPEAN URBANIZATION AND GLOBALIZATION/ UNIVERSITY OF LUXEMBOURG; *Agricultural Landscapes of Densification. The Case of Luxembourg*

- 10:35** Rebecca Maranhao*, *The dynamics of soybeans and cattle production in Brazilian territory.*

- 10:55** Meghann Smith*, Montclair State University; *Environmental and Economic Assessment of Hard Apple Cider in the Northeastern U.S.*

- 11:15** Richard Mbih*, Pennsylvania State University; *Problems of Agro-pastoral Adaptation and Resilience in the Upper Noun Valley*

Friday-050-9:55 a.m. Geographies of Green Infrastructure II: Green Dreams (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Climate Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Marissa Matsler, Cary Institute; Zbigniew Grabowski, Portland State University; Andrea Gerlak, University of Arizona

CHAIR: Marissa Matsler, Cary Institute

- 9:55 Introduction(s):** Marissa Matsler, Cary Institute

- 10:00** Natalie Gulsrud*, University of Copenhagen; Silviya Krajter Ostoić, Croatian Forest Research Institute; Rebecca L Rutt, University Copenhagen; Anton Stahl Olafsson, University of Copenhagen; Riikki Paloniemi, Finnish Environmental Institute; David Pearlmutter, Ben-Gurion University of the Negev; Bruno Marić, PhD, University of Sarajevo; Alan J Simson, Leeds Beckett University, School of Art, Architecture and Design; *Lighter shades of green: potential governance implications of the European Green Capital Award*

- 10:19** Rae Zimmerman*, Research Professor and Professor Emerita, NEW YORK UNIVERSITY; Ryan Brenner, MS, NYU Wagner; *Green Infrastructure Finance: The Next Stage in Green Infrastructure Implementation*

- 10:38** Dustin L Herrmann*, Oak Ridge Institute for Science and Education Research Participant Program with U.S. Environmental Protection Agency, Cincinnati,

FRIDAY April 5 • 9:55 AM - 11:35 AM

Ohio, USA; Adam Berland, Department of Geography, Ball State University, Muncie, Indiana, USA; William D Shuster, National Risk Management Research Laboratory, US EPA, Cincinnati, Ohio, USA; *Aligning Scales in Social and Environmental Elements of Urban Green Infrastructure*

- 10:57** Tijana Jovanovic*, SESYNC, National Socio-Environmental Synthesis Center; Benoit Permentier, SESYNC, National Socio-Environmental Synthesis Center; Ana Mijic, Imperial College London; *Urban green infrastructure multifunctionality, benefits and tradeoffs*

- 11:16 Discussant(s):** Sara Meerow, Assistant Professor, University of Michigan

Friday-052-9:55 a.m. Climate Specialty Group Student Paper Competition - Session II (Sponsored by Climate Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jase Bernhardt, Hofstra University

CHAIR: Jase Bernhardt, Hofstra University

- 9:55** Rupsa Bhowmick*, PhD Candidate, Department of Geography and Anthropology, Louisiana State University; Jill C Trepanier, PhD, Associate Professor, Department of Geography and Anthropology, Louisiana State University; Alex M Haberle, PhD, Assistant Professor, Department of Geography and Anthropology; *A Data Mining Approach for Identifying the Influence of Aerosol and Geophysical Parameters on Tropical Cyclone Development*

- 10:15** Victoria Ford*, Climate Science Lab, Department of Geography, Texas A&M University; Oliver Frauenfeld, Climate Science Lab, Department of Geography, Texas A&M University; Chris Nowotarski, Department of Atmospheric Sciences, Texas A&M University; *The Influence of Arctic Sea Ice Thinning on the Atmospheric Boundary Layer*

- 10:35** Nathan Shull*, West Virginia University; Eungul Lee, Associate Professor, West Virginia University; Yaqian He, Postdoctoral Fellow, Dartmouth College; *April vegetation greenness and its impacts on near-surface climate conditions in South-Central Appalachia*

- 10:55** Flavia Dias De Souza Moraes*, University of Georgia; Emily Louise Pauline, University of Georgia; Ian Grey Boatman, University of Georgia; Gabriel Kooperman, University of Georgia; Thomas L Mote, University of Georgia; *The North Atlantic Oscillation and the Atlantic Meridional Mode Effects on Caribbean Seasonal Precipitation Patterns*

Friday-053-9:55 a.m. Social and Environmental Influences on Health

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Yinhua Tao, Peking University

- 9:55** Kirsten Beyer*, Associate Professor, Medical College of Wisconsin; *The Breast Cancer, Race and Place Study*

- 10:15** Sara McLafferty*, University of Illinois; *Health Risk and the Rent Gap: Changing Birth Outcomes for Low-income Women in Gentrifying Neighborhoods*

- 10:35** Jan Rigby*, Maynooth University; Hector Najera Catalan, University of Bristol, UK; Dave Gordon, University of Bristol, UK; Diarmuid Smith, Beaumont Hospital & RCSI, Ireland; Seamus Sreenan, Connolly Hospital & RCSI, Ireland; *Socio-economic factors impacting on the management of Type 2 diabetes: a longitudinal approach*

- 10:55** Yinhua Tao*, Peking University; Yanwei Chai, Peking University; Jing Ma, Beijing Normal University; Mei-Po Kwan, University of Illinois at Urbana-Champaign; *Effects of objective and perceived air pollution exposure on momentary psychological stress: Evidence from Beijing*

- 11:15** Zan M Dodson*, PhD, American Association of Geographers; Dan Swayze, DrPh, MBA, MEMS, University of Pittsburgh | Center for Emergency Medicine; *The biopsychosocio-spatial disadvantages of declining health: Lived experiences from Pittsburgh*

Friday-054-9:55 a.m. Physical Geography in the Maya World (Sponsored by Geomorphology Specialty Group, Paleoenvironmental Change Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sara Eshleman, University of Texas - Austin; Leila Donn, University of Texas - Austin

CHAIR: Sara Eshleman, University of Texas - Austin

- 9:55** Thomas Guderjan*, Dr., University of Texas At Tyler; *Early Onset Anthropocene. Control of the Landscape by the ancient Maya in Northwestern Belize.*

- 10:15** Christopher Carr*, University of Cincinnati; Nicholas Dunning, University of Cincinnati; Thomas Ruhl, University of Cincinnati; *Using lidar and other remote sensing to study ancient Maya wetland management*

- 10:35** Sara Eshleman*, University of Texas - Austin; Timothy Beach, University of Texas - Austin; *Vegetation-topography interactions in the Selva Maya*

- 10:55** Leila Donn*, University of Texas - Austin; Tim Beach, University of Texas at Austin; Sheryl Luzzadder-Beach, University of Texas at Austin; Jason Yaeger, University of Texas at San Antonio; *Long-Term Human Impact on a Neotropical Fluvial System in the Belize-Guatemala Transboundary Area*

- 11:15** Jedidiah Dale*, University of Texas at Austin; Samantha Krause, University of Texas at Austin; Sheryl Luzzadder-Beach, University of Texas at Austin; Timothy Beach, University of Texas at Austin; *Production and Pollution: Geoarchaeological and Paleoenvironmental Potential of a Northwest Belize Lagoon*

Friday-055-9:55 a.m. Advances in Computational Approaches for Geospatial Health Applications II (Sponsored by Cyberinfrastructure Specialty Group, Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Michael Desjardins, University of North Carolina - Charlotte; Claudio Owusu, University of North Carolina - Charlotte; Alexander Hohl, Utica College

FRIDAY, April 5 • 9:55 AM - 11:35 AM

CHAIR: Michael Desjardins, University of North Carolina - Charlotte

9:55 Maura Allaire*, University of California, Irvine; Shuyan Zheng, Columbia University; Taylor Mackay, University of California, Irvine; Upmanu Lall, Columbia University; *Assessing Community Response to Impaired Drinking Water with Consumer Purchase Records*

10:15 Mikko Pyykönen*, University of Eastern Finland; Tiina Laatikainen, University of Eastern Finland, National Institute for Health and Welfare; Markku Tykkyläinen, University of Eastern Finland; *A geospatial approach and model to minimize the costs of anticoagulation therapy from the atrial fibrillation patient's point of view*

10:35 Sadie Ryan*, University of Florida; Stephanie Jane Mundis, University of Florida; Alex Aguirre, Center for Research on Health in Latin America (CISEAL), Pontificia Universidad Católica del Ecuador, Quito; Catherine Anne Lippi, University of Florida; Efrain Beltran, Universidad Tecnica de Machala; Froilan Heras, Universidad Tecnica de Machala; Anna Maria Stewart-Ibarra, Institute for Global Health and Translational Science, SUNY Upstate Medical University; Marco Neira, Center for Research on Health in Latin America (CISEAL), Pontificia Universidad Católica del Ecuador, Quito; *Revealing the rise of resistance: spatial and seasonal resistance to commonly used insecticides in Aedes aegypti among four cities in southern Ecuador*

10:55 David Wong*, George Mason University; *Mapping SEER data, health data, and data with (un)reliability information*

11:15 **Discussant(s):** Eric Delmelle, University of North Carolina at Charlotte

Friday-056-9:55 a.m. Big Data and Geoanalytics

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sudarshana Bordoloi, Minnesota State University

CHAIR: Rama Mohapatra, Minnesota State University, Mankato

9:55 George Willis*, University of Birmingham; Emmanouil Tranos, University of Birmingham; *Using 'big data' to investigate the impacts of Uber on Yellow Taxis in New York*

10:15 YANG ZHONG*, Claremont Graduate University; Shaohua Wang, Arizona State University; Erqi Wang, SuperMap Software Co., Ltd; Hao Lu, SuperMap Software Co., Ltd; Shaojie Li, SuperMap Software Co., Ltd; Liang Long, SuperMap Software Co., Ltd; *A Cloud Native GIS Architecture for Spatiotemporal Big Data Analytics*

10:35 Daniel Cassidy*, *GeoAnalytics Server for Fire Visualization and Analysis*

10:55 Yaling YE*, Peking University; Wensheng LIN, Peking University; Zhenfa LI, Peking University; Canfei HE, Peking University; *Space-Time Pattern Evolution of Interurban Capital Flow Network in China: From the Perspective of Investment and Financing Network*

11:15 Zhenzhu Cao*, *Construction and application of ecological civilization evaluation index system under big data — A case study of Yangtze River Economic Belt*

Friday-057-9:55 a.m. Importance of Access

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Ray Oldakowski, Jacksonville University

9:55 Ofer Amram*, Simon Fraser University; *Proximity Increases the Likelihood of Adherence to Medication Assisted Treatment with Methadone in Spokane, Washington*

10:15 Beverly Renard*, Florida State University; *Walkability Measures for Florida Using the 1km US National Grid*

10:35 Guillaume Chevillard*, Julien Mousques, IRDES; *Evaluation of the impact of primary care team on general practitioner density between 2004 and 2017 in France underserved areas*

10:55 Rajiv Paudel*, Michigan State University; *Unstructured qualitative data for an agent-based model development.*

11:15 Ray Oldakowski*, Jacksonville University; Ashley Johnson*, Jacksonville University; *Utilizing GIS to Identify Health Care Deserts*

Friday-058-9:55 a.m. Water Politics

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Robert Sirk, Austin Peay State University

9:55 Enrique Lanz Oca*, Hunter College - City University; *Undoing Infrastructure: Trump's Plan and the Reversal of the Ecological Trajectory of Dams*

10:15 XIAO HAN*, University of Melbourne; *Dams as assemblages and the fluidity of hydro-politics: A genealogical inquiry*

10:35 Jacob Petersen-Perlman*, University of Arizona - Water Resources Research Center, Tucson, AZ; Sharon B. Megdal, University of Arizona - Water Resources Research Center; *Transboundary Wastewater Issues on the Sonora-Arizona Border*

10:55 Robert Sirk*, Austin Peay State University; *Florida: Water Rich - Water Poor*

11:15 Troy Brundidge*, Northeastern Illinois University; *Critical physical geography as monism: The NFIP as a case study for merging realist and idealist critical perspectives of catastrophe risk finance*

Friday-060-9:55 a.m. Landscape Forensics 2.0 | Part 2:**Landscape Forensics: Application (Sponsored by Cultural Geography Specialty Group)**

Room: Madison A, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Joni Palmer, Geography & Environmental Studies; Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

CHAIR: Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

Discussant(s): Patrick Hurley, Assoc. Professor, Ursinus College; Ingrid Nelson, Dr., University of Vermont; Eric Magrane, New Mexico State University

Panelist(s): James Baker, Graduate Student PhD, University Of Nebraska - Lincoln; Joni Palmer, Ph.D., Geography & Environmental Studies

FRIDAY April 5 • 9:55 AM - 11:35 AM**Friday-061-9:55 a.m. Hydroclimatology II (Sponsored by Climate Specialty Group, Water Resources Specialty Group)**

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Natalie Teale, Rutgers University; Trent Ford, Southern Illinois University; Steven Quiring, The Ohio State University

CHAIR: Manuel Hernandez, University of North Carolina - Chapel Hill

9:55 Steven Quiring*, The Ohio State University; Shanshui Yuan, The Ohio State University; Yuechun Wang, The Ohio State University; Trent Ford, Southern Illinois University; *Investigating Soil Moisture-Convective Precipitation Feedbacks with NASA SMAP*

10:15 Junjie Chen*, Portland State University; Heejun Chang, Portland State University; *Simulating hydrological response from impacts of climate variability and land use change in the Clackamas River Basin in Oregon using ArcSWAT*

10:35 Tania Ita Vargas*, Appalachian State University; Lester Baker Perry, Appalachian State University; Joseph Jonaitis, Appalachian State University; Heather Guy, Appalachian State University - University of Leeds; *Synoptic Patterns Associated with Wet Season Onset in the Tropical High Andes of Southern Peru and Bolivia*

10:55 Chansheng He*, Prof., Western Michigan University; Shengxuan Zeng, Mr., Key Laboratory of West China's Environmental System (Ministry of Education), College of Earth and Environmental Sciences, Lanzhou University, China; Juan Gu, Dr., Key Laboratory of West China's Environmental System (Ministry of Education), College of Earth and Environmental Sciences, Lanzhou University, China; *Climate variability in the agro-pastoral ecotone in Northwest China over the past 60 years.*

11:15 Mikael Hiestand*, *Climatic Anomalies in Latent and Sensible Heat Fluxes From Remnant Forest and Cropland in U.S. Midwest Corn Belt*

Friday-062-9:55 a.m. Natural Resource Use and Management (Sponsored by Rural Geography Specialty Group)

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Katherine Nelson, Kansas State University

9:55 Georgeta Connor*, Georgia Gwinnett College; *Rural Sytematization: A Radical Campaign of Rural Planning under Ceausescu's Regime in Romania*

10:15 Xhafer Rama*, *KAC: A Closer Look at Kosovo's Agriculture Productivity using Gravity Models*

10:35 Li Zhe Cao*, Institute of Geographic Sciences and Natural Resources Research, CAS; *Spatial correlation of soil fertility and rural poverty in China*

10:55 Hongyan Cai*, Xinliang Xu, Institute of Geographic Science and Natural Resources Research, CAS; *The influences of spatiotemporal change of cultivated land on food crop production potential in China*

11:15 Katherine Nelson*, Kansas State University; Emily Burchfield, Utah State University; Kaitlyn Spangler, Utah State University; *The Impact of Landscape Diversity on Agricultural Productivity: Differences across crops, diversity metrics, and landscape extent*

Friday-063-9:55 a.m. Doing Critical Community Geography to Inform Policy: Approaches and Outcomes II (Sponsored by Applied Geography Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Madeleine Hamlin, Syracuse University; Jonnell Robinson, Syracuse University

CHAIR: Jonnell Robinson, Syracuse University

9:55 Discussant(s): Jonnell Robinson, Syracuse University

10:15 Yolanda McDonald*, Vanderbilt University; *Tennessee Community Water Systems Operators Insights on the Infrastructure Challenges of Ensuring a Safe Drinking Water Supply*

10:35 Daniel Block*, Professor, Chicago State University; *Deconstructing Food Access: Public Health, Geographic Information Systems, and the Power of Maps*

10:55 Carolina Prado*, San Jose State University; *Environmental Justice Community-Based Mapping at the U.S.-Mexico Border*

11:15 Eloise Reid*, University of Michigan School for Environment and Sustainability; *Green Gentrification in Gentilly, New Orleans, Louisiana*

Friday-064-9:55 a.m. Temporality and Space in Knowledge Work

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Anna Growe, Heidelberg University; Suntje Schmidt, Institute for Research on Society and Space

CHAIR: Anna Growe, Heidelberg University

9:55 Christoph Mager*, *Situating workplaces and work processes in the music industry. Evidence from a study of A&R personnel in small and medium-sized labels in Germany*

10:15 Anna Growe*, Heidelberg University; Madeleine Wagner, Heidelberg University; *Eventisation as product of socio-spatial dynamics at creativity-enhancing workplaces*

10:35 Stephan Otto*, *Codification processes in a temporary setting: knowledge practices in an innovation lab*

10:55 Suntje Schmidt*, Institute for Research on Society and Space; *Who is there? Types of users in Open Creative Labs*

11:15 Nancy Worth*, Dr, University of Waterloo; Alkim Karaagac, University of Waterloo; *Finding the time and space to count yourself in: expert women's engagement with the media*

Friday-065-9:55 a.m. Conservation and Management Plans of Water Resources

Theme: Physical Geography in Environmental Science

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Christopher Meindl, University of South Florida, St. Petersburg

9:55 Frank Schmitz*, Tyler McCreary, Florida State University; *Expert Knowledge and Governmentality in the Apalachicola-Chattahoochee-Flint River Basin*

10:15 Joanna Zawiejska*, Pedagogical University of Cracow; *The image of rivers in formal geography education: a meandering road to sustainability*

10:35 Firooza Pavri*, University Of Southern Maine; *Public engagement in conservation priorities for Maine's freshwater lakes*

10:55 Christopher Meindl*, University of South Florida, St. Petersburg; *The Anthropocene, Capitalocene, and Struggle to Save Florida's Springs*

FRIDAY, April 5 • 9:55 AM - 11:35 AM**Friday-066-9:55 a.m. Urban Land Systems and Landscapes
(Sponsored by Urban Geography Specialty Group,
Human Dimensions of Global Change Specialty
Group, Geographic Information Science and
Systems Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Burak Guneralp, Texas A&M University; Rinku Roy Chowdhury, Clark University; Richard Aspinall

CHAIR: V. Kelly Turner, University of Southern California

9:55 Burak Guneralp*, Assistant Professor, Texas A&M University; Karen C. Seto, Yale University; Elizabeth Wentz, Arizona State University; Meredith Reba, Yale University; Billy U. Hales, Texas A&M University; *A Global Synthesis on Urban Land Expansion and Urban Population Densities***10:15** Tom Evans*, University of Arizona - Geography & Development; Zack Guido, University of Arizona; Andrew Zimmer, University of Arizona; Megan Konar, University of Illinois; Jordan Blekking, Indiana University; Kurt Waldman, Indiana University; Cascade Tuholske, University of California - Santa Barbara; Kelly Caylor, University of California Santa Barbara; Kathy Baylis, University of Illinois; Lyndon Estes, Clark University; *Urban-Rural Linkages and Urban Food Security in Sub-Saharan Africa***10:35** Feilin Lai*, Florida State University; *Satellite Mapping of Unplanned and Informal Settlements in Rio de Janeiro, Brazil using a Multiple Classifier System***10:55** V. Kelly Turner*, University of California Los Angeles; *How do Homeowners Associations regulate residential landscapes? An analysis of rule structure and content in Maricopa County, Arizona.***11:15 Discussant(s):** Richard Aspinall, Dr.**Friday-067-9:55 a.m. UAS Symposium III: Land Cover
Dynamics (Sponsored by Geographic Information
Science and Systems Specialty Group, Remote
Sensing Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Adam Mathews, Western Michigan University; Anthony Cummings, University of Texas at Dallas

CHAIR: Narcisa Pricope, University of North Carolina Wilmington

9:55 Jaclyn Guz*, Doctoral Student, Clark University; Marc Healy, Clark University; Lyndon Estes, Clark University; Michael Cecil, Clark University; *Recent Innovations and Expanding Limits of Earth Observations***10:15** David Kramar*, Minnesota State University Moorhead; Valquiria Ferraz Quirino, Ph.D., Minnesota State University Moorhead; Asami Minei, Minnesota State University Moorhead; *Application of Object-Oriented Classification and Non-NIR Vegetation Indices to Quantify Prairie Restoration Efforts at Two Sites in Western MN.***10:35** Bo Yang*, University of Central Florida; Timothy Hawthorne, University of Central Florida; *A spatio-temporal geostatistical approach for sharpening multi-spectral satellite imagery using high-resolution UAV data***10:55** Stephanie Rogers*, PhD, Auburn University, Department of Geosciences; William Livingstone, PEng, Nova Scotia Community College Applied Research; Ian Manning, MSc, Nova Scotia Community College Applied Research; *Comparing Digital Surface Models**(DSMs) collected from four UAV platforms to mobile UAV-based Lidar***11:15** Narcisa Pricope*, University of North Carolina Wilmington; Kerry Lynn Mapes, MSc, University of North Carolina Wilmington; Britton Baxley, University of North Carolina Wilmington; Kyle Woodward, University of North Carolina Wilmington; *A quantitative multi-sensor assessment of the effects of varying processing parameters on UAS product accuracy and quality***Friday-068-9:55 a.m. Ever Forward: Making Queerness
Visible in the U.S. South (Sponsored by Study of
the American South Specialty Group, Careers and
Professional Development)**

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rachael Cofield, Florida State University

CHAIR:

Introduction(s): LaToya Eaves, Middle Tennessee State University**Panelist(s):** Amy Stone; Sam Bowden, Rutgers University; Petra Doan, Professor, Florida State University; Rachael Cofield, Graduate Student, Florida State University**Friday-069-9:55 a.m. Career Mentoring C (Sponsored by
Careers and Professional Development)**

Room: Wilson B, Marriott, Mezzanine Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Mark Revell, American Association of Geographers

9:55 Discussant(s): Zachary Suriano, University of Nebraska - Omaha**10:05 Discussant(s):** Joshua Comenetz, Dr., U.S. Census Bureau**10:15 Discussant(s):** Joseph Scarpaci, Executive Director, Center for the Study of Cuban Culture + Economy**10:25 Discussant(s):** Daniel Hammel, University of Toledo**10:35 Discussant(s):** Richard Quodamine, Senior Lead GIS Analyst, City of Philadelphia**10:45 Discussant(s):** Susan Gidley**10:55 Discussant(s):** Qihao Weng, Professor; Director, Ctr. for Urban & Environmental Change, Indiana State University**11:05 Discussant(s):** Melvin Johnson, Dr., University of Wisconsin-Manitowoc**Friday-070-9:55 a.m. STEM Education Research Challenges and
Opportunities for Geographers: A Discussion with NSF
(Sponsored by Careers and Professional Development)**

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Michael Solem, National Center for Research in Geography Education

CHAIR:

Introduction(s): Michael Solem, Co-Director, National Center for Research in Geography Education**Panelist(s):** Antoinette WinklerPrins, Program Director, National Science Foundation

FRIDAY April 5 • 9:55 AM - 11:35 AM**Friday-072-9:55 a.m. Mountain Futures 2 (Sponsored by Mountain Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Cara Steger, Colorado State University; Robin Reid; Julia Klein, Colorado State University

CHAIR: Julia Klein, Colorado State University

9:55 Kramer Gillin*, University of Wisconsin-Madison; *Lessons of Mountain Geography: Untapped Opportunities for Pastoral Governance***10:15** Anaïs Zimmer*, University of Texas - Austin; Timothy Beach, University of Texas at Austin; *Alpine ecosystems establishment in recently deglaciated landscapes: an assessment to advance periglacial area management policy.***10:35** Courtney Cooper*, University of Idaho; Paris Edwards, University of Idaho; Adrienne Marshall, University of Idaho; Meghan Foard, University of Idaho; Shana Hirsch, University of Washington; Micah Russell, University of Idaho; Timothy Link, University of Idaho; *Spatial and Topical Distributions of Mountain-Climatic Research in the Columbia River Basin***10:55** Sisimac Duchicela*, University of Texas - Austin; Francisco Cuesta, Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, Netherlands; *Effects of interacting anthropogenic stressors on páramo ecosystems in the Andes***11:15** Anne W Nolin*, University of Nevada, Reno; Chad Higgins, Oregon State University; Stephen A Drake, University of Nevada, Reno; David R Conklin, Freshwater Simulations, Inc.; Jordan Kern, North Carolina State University; Greg Charaklis, University of North Carolina, Chapel Hill; *Understanding the Role of Snow and Upland Forests in the Food-Energy-Water System in the Willamette River Basin, Oregon***Friday-073-9:55 a.m. Remote Sensing Specialty Group (RSSG) Student Honors Paper Competition 2 (Sponsored by Remote Sensing Specialty Group)**

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Qiuyan Yu, University of South Florida

CHAIR: Qiuyan Yu, University of South Florida

9:55 Xiao Li*, The University of Texas at Dallas; Qiu Fang, The University of Texas at Dallas; *Signal-Based Regularization for Building Footprint generated from Airborne LiDAR data***10:15** Min Xu*, University of Alabama; *A spectral space partition based ensemble method for improving the accuracy and spatial and temporal extensibility of empirical water quality remote sensing models***10:35** Hannah Herrero*, University of Florida; Jane Southworth, University of Florida; *Evaluating Savanna Vegetation in National Parks of Southern Africa During the 21st Century***10:55** Ying Lu*, Department of Geography, University at Buffalo; Le Wang, Department of Geography, University at Buffalo; *How to map large scale mangroves with Google Earth Engine***Friday-074-9:55 a.m. Name Change Forum: Sexuality and Space Specialty Group (Sponsored by Sexuality and Space Specialty Group)**

Room: Stones Throw 3, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rae Rosenberg; Sophonie Bazile, UNIVERSITY OF KENTUCKY

CHAIR: Sophonie Bazile, UNIVERSITY OF KENTUCKY

Discussant(s): Derek Ruez, University of Tampere; Julian Barr, Graduate Student and Undergraduate Advisor, University of Washington; Shea Gilliam, Graduate Student; Sophonie Bazile, Ph.D. Student, UNIVERSITY OF KENTUCKY; Rae Rosenberg**Friday-080-9:55 a.m. Changing Geography of National Parks and Protected Areas 2**

Room: Palladian, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Joe Weber, University Of Alabama; Selima Sultana, University of North Carolina-Greensboro

CHAIR: Joe Weber, University Of Alabama

9:55 Chloe Coffman*, SUNY-ESF; Elizabeth Vidon, SUNY-ESF; *Unnatural Divides: The connections between environmental values and political ideology in the 2018 NY-24 Congressional election***10:15** Tyra Olstad*, SUNY Oneonta; *"Among these Rugged Mountains": In Search of Bob Marshall's Arctic Wilderness***10:35** Xiao Xiao*, School of Community Resources and Development, Arizona State University; Max Post van der Burg, U.S. Geological Survey, Northern Prairie Wildlife Research Center; Erin Seekamp, Department of Parks, Recreation, and Tourism Management; Mitchell Eaton, U.S. Geological Survey, Southeast Climate Adaptation Science Center; *Optimizing Historic Preservation under Climate Change: Decision Support for Cultural Resource Adaptation Planning in National Parks***10:55** Brian Peterson*, Clemson University; Matthew Brownlee, Clemson University; *Understanding visitors' spatial behavior: a review of spatial applications in parks and protected areas***11:15** Selima Sultana*, University of North Carolina-Greensboro; *Missing African-American Visitors at Great Smoky Mountains National Park***Friday-081-9:55 a.m. Critical Histories & Geographies of Racialized Space in Washington, D.C.**

Room: Diplomat Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Amanda Huron, University of the District of Columbia

CHAIR: Amanda Huron, University of the District of Columbia

Discussant(s): Sarah Shoenfeld, Prologue DC; Kathryn Howell, Virginia Commonwealth University; Natalie Hopkinson, Assistant Professor, Howard University; Brandi Summers, Assistant Professor, African American Studies, Virginia Commonwealth University; Amanda Huron, Dr., University of the District of Columbia

FRIDAY, April 5 • 9:55 AM - 11:35 AM**Friday-082-9:55 a.m. Prisons, Governance, and Environment**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Rob Aitken, University of Alberta

9:55 Jay Newberry*, Binghamton University; *Sentencing Reform Pre- and Post-Booker: The Case for Equality*

10:15 Nathaniel Sheets*, CUNY Graduate Center; *Police and the Price of Progress in Seattle*

10:35 Alexis Szepeszy*, University of Richmond; *Race, Space, and Coal Waste: A Critical Environmental Justice Analysis of Central Appalachia's Prison Industry*

10:55 Rob Aitken*, University of Alberta; *Insurance as Imperial Reasoning: Governing Bodies of/at Risk*

Friday-083-9:55 a.m. Energy and Environmental Justice

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: James Artiga-Purcell

9:55 Sophonie Joseph*, Columbia University; *Energy Justice: A Comparative Case Study of Decentralized Energy Planning Models in Ayiti*

10:15 Laurence Delina*, Boston University; *Energy Use for Productive Purposes' as Indicator for Energy Access: Lessons Learned from Thailand and the Philippines*

10:35 Hosuk Lee*, University of North Georgia; Toralf Zschau, University of North Georgia; *Déjà vu of Environmental Injustice: With a Case Study of a Coal Plant in South Korea*

10:55 Meagan L. Weisner*, Florida Atlantic University; Tara L. Root, PhD, Florida Atlantic University; Michael S. Harris, PhD, Florida Atlantic University; *Examining the Relationship between Metals in Tap Water and Socioeconomic Inequality: A Spatial Analysis of Water Quality Disparities in Palm Beach County, FL*

11:15 James Artiga-Purcell*, *Saving water to pollute it? a political ecology of El Salvador's metal mining ban*

Friday-084-9:55 a.m. Recognizing Alternative Values in Market-Based Conservation Programs and Policies II: Grounded Practice (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Elizabeth Shapiro-Garza, Duke University; Vijay Kolinjivadi

CHAIR: Elizabeth Shapiro-Garza, Duke University

9:55 Audrey Joslin*, Kansas State University; *Added value? The Benefits beyond Ecosystem Services for Water Fund Constituents in Ecuador*

10:15 Julia C Bausch*, PhD, Kyl Center for Water Policy, Arizona State University; Elizabeth Tellman, School of Geographical Sciences and Urban Planning, Arizona State University; Alison Acosta, National Laboratory

for Sustainability Science (LANCIS), Institute of Ecology, National Autonomous University of Mexico (UNAM); Amy Lerner, PhD, National Laboratory for Sustainability Science (LANCIS), Institute of Ecology, National Autonomous University of Mexico (UNAM); Enrique Castelán, Secretariat for the Environment, Mexico City; *Alternative values and competing needs at the peri-urban fringe: PES in Mexico City*

10:35 Grant Murray*, Duke University Marine Lab; *Sovereignty, stewardship and services: contestation over ecosystem service fees in the Tla-o-qui-aht Tribal Parks*

10:55 Andres M Urcuqui B*, SUNY - College of Environmental Science and Forestry; Theresa McCarty, University of New Hampshire; Catherine M Ashcraft, PhD, University of New Hampshire; Theresa L. Selfa, PhD, SUNY - College of Environmental Science and Forestry; Robert Manson, PhD, Instituto Nacional de Ecología; Alex Mayer, PhD, Michigan Technological University; Kelly W. Jones, PhD, Colorado State University; Heidi Asbjornsen, PhD, University of New Hampshire; *Informing Payment for Hydrological Services Policy: Insights from a science-based role-play negotiation simulation workshop in the State of Veracruz, Mexico*

11:15 Discussant(s): Vijay Kolinjivadi

Friday-086-9:55 a.m. Decolonizing Water Ontologies: From H2O to Relational Accountability (Sponsored by Indigenous Peoples Specialty Group, Water Resources Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Senate Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nicole Wilson, Peter A. Allard School of Law; Joanne Nelson, University of British Columbia

CHAIR: Deborah McGregor

Introduction(s): Nicole Wilson, University of British Columbia

Panelist(s): Deborah McGregor; Zoe Todd; Susan Chiblow; Ashley Smith, Assistant Professor of Native American Studies and Environmental Justice, Hampshire College

Friday-087-9:55 a.m. Social Media and Big Data for Disasters I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Bandana Kar, Oak Ridge National Laboratory; Edwin Chow, Texas State University - San Marcos; ZhiQiang Chen, University of Missouri-Kansas City

CHAIR: Edwin Chow, Texas State University - San Marcos

9:55 Antonio Vallejo*, *Smart Cities and Quality of Life*

10:15 Victor Santoni*, University of Cergy-Pontoise; *Citizen outreach and Social Media for Emergency Management (SMEM)*

10:35 Angela D. Ambrose*, University of Calgary; *Intersections of Digital Colonialism and Digital Humanitarianism: An Analysis*

10:55 Bing She*, University of Michigan; Tom Murphy,

FRIDAY April 5 • 9:55 AM - 11:35 AM

University of Michigan; Harshakumar Ummerpillai, University of Michigan; *Enabling spatio-textual search in a social science data archive*

- 11:15** Manzhou Yu*, George Mason University; Chaowei Yang, George Mason University; Dan Duffy, NASA Center for Climate Simulation; *GeoEvent Detection and Spatiotemporal Analytics - using Tropical Cyclone Hot Tower as an example*

Friday-088-9:55 a.m. Science and Technologies of Racial Capitalism

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Brian Jordan Jefferson, University of Illinois Urbana Champaign; Daniel Gonzalez, University of Illinois

CHAIR: Brian Jordan Jefferson, University of Illinois Urbana Champaign

Panelist(s): Andrea Miller, University of California - Davis; Isaac Rivera, University of Washington; Marlene Nava Ramos, CUNY - Graduate Center; Charmaine Chua, Oberlin College; Wesley Attewell, The University of British Columbia

Discussant(s): Juan De Lara, Mr., University of Southern California

Friday-089-9:55 a.m. 12. Population Specialty Group: Education (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

9:55 Bonnie Bounds*, The Ohio State University; *Gender Disparities in Higher Educational Attainment and Connections to Local Economic Conditions*

10:15 Shuju Hu*, School of Geographical Sciences, Northeast Normal University, Changchun, Jilin, 130024, China; Chenggu Li, School of Geographical Sciences, Northeast Normal University, Changchun, Jilin, 130024, China; Wei Song, Department of Geography and Geosciences, University of Louisville, Louisville, KY 40292; *School gentrifying community in the making in China: its formation mechanisms and socio-spatial consequences*

10:35 Tessa Cook*, Oklahoma State University; *The Impacts of Public-Private School Choice on Public Schools in the St. Louis Area*

10:55 Sadhana Manik*, Dr, University of KwaZulu Natal; *For Whom the Bell Tolls*

Friday-090-9:55 a.m. Changing Constructions of Rurality and Rural-urban Relationships in a Post-productivist Era-II (Sponsored by Rural Geography Specialty Group, China Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Shenjing He, The University of Hong Kong; Darren Smith, Loughborough University

CHAIR: Darren Smith, Loughborough University

9:55 Martin Phillips*, UNIVERSITY OF LEICESTER; Darren Smith, Loughborough University; Hannah Brooking, University of Leicester; Mara Duer, University of

Leicester; *'What makes this village rural to you?': planetary perspectives and the gentrification of a post-industrial English village.*

10:15 Jeffrey Olson*, University of Wisconsin - Whitewater; Derek B. van Berkel, ORISE Fellowship Participant, US EPA Office of Research and Development; Darla K Munroe, Ohio State University; *Amenity landscapes and social media: The attributes of rural consumption and digital photo sharing*

10:35 Gabriel Schwartzman*, University of Minnesota; *Imagined Rurality in Coal Country's 'Economic Transition' and Emergent Appalachian Futurism*

10:55 Avrum Shriar*, VIRGINIA COMMONWEALTH UNIVERSITY; *Exploring Variation in the Local Socioeconomic Impacts of Agriculture in Virginia*

11:15 Discussant(s): Darren Smith, Dr, Loughborough University

Friday-091-9:55 a.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Prospects of Integrating Spatial and Social Network Analyses (Sponsored by Cartography Specialty Group, Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Congressional B, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Shih-Lung Shaw, University of Tennessee; Clio Andris

CHAIR: Shih-Lung Shaw, University of Tennessee

Introduction(s): Shih-Lung Shaw, Professor, University of Tennessee

Panelist(s): Andrew Crooks, George Mason University; Michael Kuby, Professor, Arizona State University; Zachary Neal, Dr., Michigan State University

Discussant(s): Clio Andris; Xinyue Ye, Associate Professor, New Jersey Institute of Technology

Friday-092-9:55 a.m. Space and Social Networks (Sponsored by Political Geography Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Olivier Walther, University of Florida; Steven Radil, University of Idaho

CHAIR: Steven Radil, University of Idaho

9:55 Steven Radil*, University of Idaho; *Networks, complexity, and war: Investigating the impact of foreign interventions in Syria*

10:15 Andrea Carboni*, University of Sussex; *Taming the snakes. Formal and informal governance in Yemen under the Houthis*

10:35 Olivier Walther*, University of Florida; Marie Trémolières, OECD; *A social network analysis of women's trade networks in West Africa*

10:55 Clionadh Raleigh*, University of Sussex; *Political Networks Across Dictatorships*

11:15 Thomas Sigler*, University of Queensland; *The Global Networks of Tax Havens*

FRIDAY, April 5 • 9:55 AM - 11:35 AM

Friday-093-9:55 a.m. Emerging Trends and New Voices in Feminist Political Geography (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dana Cuomo, Western Kentucky University; Vanessa Massaro, Bucknell University; Caroline Faria, University of Texas - Austin

CHAIR: Jill Williams, University of Arizona

9:55 Annie Elledge*, University of Texas - Austin; Caroline Faria, The University of Texas at Austin; *"With the Crown, I Have to Give Time": Beauty Queens, Labor and Diasporic Identity on the Pageant Stage*

10:15 Monique Alexander*, Slippery Rock University; Vanessa Massaro*, Bucknell University; Elyssa Evans, Slippery Rock University; *School Desserts: Assessing Distribution of Educational Opportunity*

10:35 Prasanthi Cottingham*, Victoria University of Wellington; *(En)gendering decolonisation and decolonising development: Kanak women activists' strategies for change within the independence movement in Kanaky, New Caledonia and broader society.*

10:55 Robert Chlala*, Ph.D. Candidate, University of Southern California; *Restoring Bodies, Remapping Relationships in LA's Cannabis Economy: Feminist Geographies in the Shadow of the Carceral State*

11:15 Deanna Duffy*, University of North Carolina - Chapel Hill; *Affective Media Responses to the 2018 California Wildfires*

Friday-094-9:55 a.m. The Eclectic Environmental Geographies of Jody Emel II

Room: Regency Ballroom, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Matt Huber, Syracuse University; Roberta Hawkins, University of Guelph

CHAIR: Matt Huber, Syracuse University

Introduction(s): Matt Huber, Associate Professor, Syracuse University

Panelist(s): Alida Cantor, Portland State University; Roberta Hawkins, Associate Professor, University of Guelph; Miles Kenney-Lazar, National University Of Singapore; ELISABETH STODDARD, Worcester Polytechnic Institute; ILANAH TAVES, 1993; Jacque (Jody) Emel, Senior Research Professor, Clark University

Friday-095-9:55 a.m. Social Infrastructures and the Public Life of Cities: materialities, institutions, and practices (Session 2)

Room: Blue Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jack Layton, University College London; Alan Latham, University College London

CHAIR: Lauren Wagner, Maastricht University

9:55 Jack Layton*, University College London; Alan Latham, Dr, University College London; *Social infrastructures and public facilities: notes on Finsbury Park, London*

10:11 Geoffrey Deverteuil*, cardiff university; *Beyond bare-bones survival? Service hubs, social infrastructure and the commons*

10:27 Christoph Rupprecht*, Research Institute for Humanity and Nature; *Whose social infrastructure? Young*

children's green space access during daycare in aging Japan

10:43 Gareth Millington*, University of York; David Garbin, Dr, University of Kent; Simon Coleman, University of Toronto; *Religious Urbanisation and the 'Infrastructural Turn' in Urban Theory: reflections from Lagos and Kinshasa*

10:59 Jennie Middleton*, University of Oxford; *Social infrastructures of care and the everyday mobilities of new parents in the austere city*

11:15 Severin Guillard*, Université Paris Est - Lab'Urba; Anne Hertzog, Université Cergy-Pontoise; Elizabeth Auclair, Université Cergy-Pontoise; *Theaters as places of hospitality? The changing role of cultural infrastructures in the social life of French cities*

Friday-097-9:55 a.m. Finance for Development 2

Room: Capital Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Adam Dixon, Maastricht University; Emma Mawdsley, University of Cambridge; Ilias Alami, Maastricht University

CHAIR: Emma Mawdsley, University of Cambridge

9:55 Jonathan Balls*, University of Melbourne; *Valorising the market, discounting the state: Tracing the persistent support from development actors for businesses to deliver energy access in the Global South*

10:15 Apala Bhattacharya*, Lee Kuan Yew School of Public Policy; Teshura Nair*, National University Of Singapore; Marina Kaneti, PhD, National University of Singapore; *Crossing the divide: a joint framework for SME financing*

10:35 Josué Banga*, Grenoble Alpes University; *The green bond market: a potential source of climate finance for developing countries*

10:55 Solen Le Clec'h, ETH Zürich - Agricultural Economics and Policy; Samuel Ledermann*, George Washington University - Elliott School of International Affairs; Adrian Müller, ETH Zürich - Institute for Environmental Decisions; Research Institute for Organic Agriculture FiBL; *Impact Investing for Sustainable Agriculture: Spatial Analysis of Potential Socio-Economic and Environmental Impacts*

11:15 Jeremiaah Manuel Opiniano*, Mr., University of Santo Tomas (Philippines) / The University of Adelaide (Australia); *Do Overseas Remittances Finance Development? Geographic Insights through a Remittance Investment Climate Analysis in Rural Hometowns (RICART) Tool*

Friday-098-9:55 a.m. Linguistic Geography II (Sponsored by Media and Communication Geography Specialty Group, Cultural Geography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Embassy Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Greg Niedt, Drexel University; Kirsten Helgeson, University of Hawaii - Manoa

CHAIR: Greg Niedt, Drexel University

9:55 Martina Volfova*, University of British Columbia; *"Often Confused As": The Contestation of Colonial Naming Practices in the Yukon*

FRIDAY April 5 • 9:55 AM - 11:35 AM

10:15 Kirsten Helgeson*, University of Hawaii - Manoa; *Modeling Language Endangerment Status with Geographic Predictors*

10:35 Yong Yu*, University of Wisconsin, Madison; *Mapping the historical transformation of Beijing's regional naming*

10:55 Maria Fadiman*, Florida Atlantic University; Ngawang Gyeltshen, MS, Bhutanese Government Botanist; Chris Rainier, BA National Geographic Photographer, Cultural Sanctuaries; Olivia McKendrick, JD, Cultural Sanctuaries; *Tradition and Surprises: Ethnobotany and Cultural Sanctuaries in Bhutan*

11:15 Tuomas Väisänen*, University of Helsinki; Tuomo Hiippala, University of Helsinki; Tuuli Toivonen, University of Helsinki; *Finnish and English digital urban spaces in Helsinki – a case study of Instagram*

Friday-099-9:55 a.m. Rethinking Feminism(s) in the Middle East (Sponsored by Middle East Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Hampton Room, Omni, East (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Brittany Cook, University of Louisiana at Lafayette; Anna Secor, University of Kentucky

CHAIR: Anna Secor, University of Kentucky

Discussant(s): Banu Gokariksel, Associate Professor, University of North Carolina, Chapel Hill

Panelist(s): Mona Atia, George Washington University; Karen Culcasi, Associate Professor, West Virginia University; Hasnaa Mokhtar, Clark University; A. Marie Ranjbar, Ohio State University; Jessie Clark, University of Nevada

Friday-100-9:55 a.m. Intra- and Interregional Inequality, Divergence and Economic Development I (Sponsored by Economic Geography Specialty Group, Population Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Maximilian Buchholz, University of Toronto; Harald Bathelt, University of Toronto; Michael Storper, London School of Economics - London

CHAIR: Peter Dannenberg

9:55 Michael Storper*, London School of Economics - London; Andres Rodriguez-Pose, London School of Economics; *Can more and more affordable housing lead to more widespread prosperity? A critique of the "housing as opportunity" view and its emerging policy discourses*

10:15 Jamie Goodwin-White*, UCLA; *Comparative Urban Inequality*

10:35 Silje Haus-Reve, University of Stavanger; Abigail Cooke, University at Buffalo, SUNY; Rune Fitjar*, Professor, University of Stavanger; Thomas Kemeny, Queen Mary, University of London; *Does assimilation shape the economic value of immigrant diversity?*

10:55 Dylan Connor*, Arizona State University; *Stability and change in the land of opportunity: Geography and intergenerational inequality over the twentieth century*

11:15 Harald Bathelt*, Professor, University of Toronto; Max Buchholz, University of Toronto; *Outward Foreign-Direct Investments as a Catalyst of Urban-Regional Income Development? Evidence from the United States*

Friday-101-9:55 a.m. Critical Theory from the South:

Everyday Politics & Southern Feminism II

Room: Governor's Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Susmita Rishi, Kansas State University; Amy Piedalue, Australia India Institute

CHAIR: Amy Piedalue, Australia India Institute

9:55 Discussant(s): Rajyashree Reddy, Assistant Professor, University of Toronto

10:15 Vivian Rodriguez Rocha*, Penn State University; *Un trato personalizado: Intimate labor and transnational place-making at the ethnic beauty parlor*

10:35 Danielle Rivera*, University of Colorado, Boulder; *Centering Latinx Spaces in the "Nowhere" between Global North and South*

10:55 Yolanda Valencia*, University of Washington; *Confronting Legal Death Through Epistemologies of the South*

11:15 Solange Muñoz*, University of Tennessee; *Keeping the urban poor "in their place" and "out of place"*

Friday-102-9:55 a.m. Fostering Relational Accountabilities in Indigenous Geographies: Moving from rhetoric to reality Session 2 (Sponsored by Indigenous Peoples Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Chantelle Richmond, The University of Western Ontario; Katie Big-Canoe, Western University

CHAIR: Chantelle Richmond, The University of Western Ontario

9:55 Nicole Latulippe*, University of Toronto Scarborough; *Seeking to Understand Indigenous Law and its Codification through Community Based Research*

10:15 Elana Nightingale*, University of Western Ontario; *How do you build a relationship?: Fostering relational accountability through research partnership in Biigtigong Nishnaabeg, Ontario*

10:35 Kelsey Young*, Fellow, Syracuse University; *Failing and Learning: Stories of Struggle from Navigating the Settler Colonial Spaces of Archives*

10:55 Victoria Walsey*, Northwest Indian College; *Knowledge Lost in Regulation: How Changing Policy Regimes on the Yukon River for Subsistence Fishing Influence Intergenerational Knowledge Transmission*

11:15 Chris Castagna*, California State University, Sacramento; *The Place of Land: Selected Interviews with Maori on Industrial Forestry in East Coast Aotearoa/New Zealand*

Friday-103-9:55 a.m. Bridging Remote Regions of the Arctic and Beyond (Sponsored by Eurasian Specialty Group, Polar Geography Specialty Group, Transportation Geography Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Vera Kuklina, Institute of Geography SB RAS; Jeremy Tasch, Towson University

CHAIR: Jeremy Tasch, Towson University

9:55 Nikolay Baiklov*, Vera Kuklina, Institute of Geography SB RAS; *The Workers' Trains and the Right to the Railroad in the Baikal-Amur Mainline*

FRIDAY, April 5 • 9:55 AM - 11:35 AM

10:15 Viktoriia Filippova*, *The Remoteness of the Territories of Traditional Nature Use: Preservation or Loss?*

10:35 Maria Kuklina*, Irkutsk State Technical University; Andrey Trufanov, Irkutsk National Research Technical University; Nikolay Kinash, Irkutsk National Research Technical University; Olga Berestneva, Tomsk Polytechnic University; *Network platform application for studies of transportation services in remote touristic regions*

10:55 Victor Bogdanov*, V.B. Sochava Institute of Geogaphy SB RAS; Gerelma Dugarova, V.B. Sochava Institute of Geogaphy SB RAS; *Mapping Transport Accessibility in the Areas of Oil and Gas Extraction in the Republic of Sakha (Yakutia) and the North Irkutsk region*

11:15 Discussant(s): Jeremy Tasch, Towson University

FRIDAY, April 5 • 1:00 PM - 4:00 PM

Friday-002-11:45 a.m. AAG Atlas Award Presentation to Carla Hayden

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Friday-007-11:45 a.m. Black Geographies Specialty Group Business Meeting (Sponsored by Black Geographies Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-008-11:45 a.m. Environmental Perception and Behavioral Geography Specialty Group Business Meeting (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-009-11:45 a.m. Political Geography Specialty Group Business Meeting (Sponsored by Political Geography Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-010-11:45 a.m. Development Geographies Specialty Group Business Meeting (Sponsored by Development Geographies Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-018-11:45 a.m. Qualitative Research Specialty Group Business Meeting (Sponsored by Qualitative Research Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-019-11:45 a.m. Recreation, Tourism & Sport Specialty Group Business Meeting (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-020-11:45 a.m. Film Making and Screening Specialty Group Business Meeting (Sponsored by Film-Making and Screening Specialty Group)

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-022-11:45 a.m. Rural Geography Specialty Group Business Meeting (Sponsored by Rural Geography Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-023-11:45 a.m. Population Specialty Group Business Meeting (Sponsored by Population Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

FRIDAY April 5 • 11:45 AM - 1:00 PM**Friday-026-11:45 a.m. History of Geography Specialty Group Business Meeting (Sponsored by History of Geography Specialty Group)**

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-027-11:45 a.m. Geography Education Specialty Group Business Meeting (Sponsored by Geography Education Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-028-11:45 a.m. Digital Geographies Specialty Group Business Meeting (Sponsored by Digital Geographies Specialty Group)

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-031-11:45 a.m. Bible Geography Specialty Group Business Meeting (Sponsored by Bible Geography Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-032-11:45 a.m. Military Geography Specialty Group Business Meeting (Sponsored by Military Geography Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-033-11:45 a.m. Caribbean Geography Specialty Group Business Meeting (Sponsored by Caribbean Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-034-11:45 a.m. Applied Geography Specialty Group Business Meeting (Sponsored by Applied Geography Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-036-11:45 a.m. Spatial Analysis & Modeling Specialty Group Business Meeting (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-037-11:45 a.m. Historical Geography Specialty Group Business Meeting (Sponsored by Historical Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-047-11:45 a.m. Geographic Information Science and Systems Specialty Group Business Meeting (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-048-11:45 a.m. Health and Medical Geography Specialty Group Business Meeting (Sponsored by Health and Medical Geography Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-049-11:45 a.m. Human Dimensions of Global Change Specialty Group Business Meeting (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-050-11:45 a.m. Canadian Studies Specialty Group Business Meeting (Sponsored by Canadian Studies Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-051-11:45 a.m. Ethics, Justice, and Human Rights Specialty Group Business Meeting (Sponsored by Ethics, Justice, and Human Rights Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-053-11:45 a.m. China Specialty Group Business Meeting (Sponsored by China Specialty Group)

Room: Marshall West, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-053-11:45 a.m. China Specialty Group Business Meeting (Sponsored by China Specialty Group)

Room: Marshall West, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

FRIDAY, April 5 • 11:45 AM - 1:00 PM

Friday-056-11:45 a.m. Regional Development and Planning Specialty Group Business Meeting (Sponsored by Regional Development and Planning Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-057-11:45 a.m. Energy and Environment Group Business Meeting (Sponsored by Energy and Environment Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-058-11:45 a.m. Cultural Geography Specialty Group Business Meeting (Sponsored by Cultural Geography Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-060-11:45 a.m. Biogeography Specialty Group Business Meeting (Sponsored by Biogeography Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-061-11:45 a.m. Cyberinfrastructure Specialty Group Business Meeting (Sponsored by Cyberinfrastructure Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-062-11:45 a.m. Critical Geographies of Education Specialty Group Business Meeting (Sponsored by Critical Geographies of Education Specialty Group)

Room: Buchanan, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-063-11:45 a.m. Stand-Alone Geographers Affinity Group Business Meeting (Sponsored by Stand-Alone Geographers Affinity Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-064-11:45 a.m. Undergraduate Student Affinity Group Business Meeting (Sponsored by Undergraduate Student Affinity Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-065-11:45 a.m. Transportation Geography Specialty Group Business Meeting (Sponsored by Transportation Geography Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-066-11:45 a.m. Water Resources Specialty Group Business Meeting (Sponsored by Water Resources Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-068-11:45 a.m. Sexuality and Space Specialty Group Business Meeting (Sponsored by Sexuality and Space Specialty Group)

Room: Wilson A, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-070-11:45 a.m. Geography of Wine, Beer, and Spirits Specialty Group Business Meeting (Sponsored by Geography of Wine, Beer, and Spirits Specialty Group)

Room: Wilson C, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-088-11:45 a.m. Asian Geography Specialty Group Business Meeting (Sponsored by Asian Geography Specialty Group)

Room: Cabinet Room, Omni, West (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-098-11:45 a.m. Polar Geography Specialty Group Business Meeting (Sponsored by Polar Geography Specialty Group)

Room: Embassy Room, Omni, East (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-202-11:45 a.m. F3_6 The Campaign Against Covenants: A Tour of Bloomingdale's Racial Divide

Room: Field Trip Departure Location (Field Trip)

Time: 1:00 p.m. - 4:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

FRIDAY, April 5 • 1:00 PM - 4:00 PM

Friday-203-11:45 a.m. F3_8 A Walking Tour of Historic Mount Pleasant

Room: Field Trip Departure Location (Field Trip)

Time: 1:00 p.m. - 4:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

FRIDAY April 5 • 1:10 PM - 2:50 PM

Friday-001-1:10 p.m. Path Creation and Regional Development 3: Global Networks, Institutions & Clusters (Sponsored by Economic Geography Specialty Group)

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Danny Mackinnon, Newcastle University; Arne Isaksen; Michaela Trippel, University of Vienna

CHAIR: Michaela Trippel, University of Vienna

1:10 Chun YANG*, Prof., Hong Kong Baptist University;
Path creation of mobile game industrial clusters in the digitalization era: the rise of indigenous digital platforms in Shenzhen, China

1:30 Danny Mackinnon*, Professor, Newcastle University;
Creating new paths through transplantation: an analysis of regional institutions' efforts to attract a flagship investment to the Humber

1:50 Hyejin Yoon*, Department of Geography, University of Wisconsin - Milwaukee; *Changes of production space: The role of policy in path-creation and path-dependence in the animation industry of Seoul, South Korea*

2:10 Jack Harris*, *Path creation between local software actors and the global industry*

2:30 Discussant(s): Arne Isaksen

2:10 Carlos Estrada-Grajales*, Research Fellow Urban Planning, Queensland University of Technology; Ariadna Matamoros-Fernández, Lecturer School of Communication, Queensland University of Technology; *Sharing Venecas: Understanding the Role of WhatsApp in Dehumanising Venezuelan Immigrant Women*

2:30 Richard Phillips*, University of Sheffield; *Dystopian geographies of sex and diversity: racialised representations of sexual abuse in northern England*

Friday-004-1:10 p.m. Current and Future Directions of Geography's Role in Redistricting and Gerrymandering Studies (Sponsored by Political Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Population Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Ryan Weichelt, University of Wisconsin - Eau Claire

CHAIR: Ryan Weichelt, University of Wisconsin - Eau Claire

1:10 Kalyn Rossiter*, Ohio Northern University; David W.S. Wong, George Mason University; *Congressional Districts: How "Equal" Are They?*

1:30 Christopher Fowler*, Pennsylvania State University; Linda L Fowler, Dartmouth College; *The problem of electoral districts when the population is well sorted*

1:50 Matthew Ruiz*, University of Northern Iowa; *The Erosion of Democracy: Gerrymandering in the United States*

2:10 John Hessler*, Specialist in Computational Geography and GIS, Library of Congress; *Algorithmic Democracy: Mathematical and Supercomputer Approaches to Gerrymandering*

2:30 David Plane*, University of Arizona; Daoqin Tong, Arizona State University; *Inter-person Separation and the Fundamental Basis of Territorially Defined Political Representation*

Friday-003-1:10 p.m. Throwtogetherness in Turbulent Times: Diversity, Migration and the City 3 - Representations

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Anna Gawlewicz, University of Glasgow; Carlos Estrada-Grajales, QUT

CHAIR: Fran Meissner, TU Delft

1:10 Giuseppe Carta*, University of Bristol; *Rethinking postsecular urbanism: Islamophobia, apophatic pluralism, and imagination*

1:30 Avril Maddrell*, Yasminah Beebeejaun, Dr, UCL; Katie McClymont, Dr, UWE, Bristol; Brenda Mathijssen, Dr, RUG, NL; Danny McNally, Dr, Teeside; Sufyan Abid Dogra, Dr, NHS; *'We need more space for graves, but they have allocated us an area that gets flooded': diversity-ready cemeteries and crematoria as dialectical spaces of socio-political inclusion/exclusion and potential cultural encounter*

1:50 Morgan Quirk*, *Predicting the Past: A Geospatial Analysis of Los Angeles Landmark Representation and Future Identification*

Friday-005-1:10 p.m. Reinstitutionalizing Equity (III): Climate Change and Resilience Planning (Sponsored by Economic Geography Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Nichola Lowe, University of North Carolina-Chapel Hill

CHAIR: Jennifer Clark, Georgia Institute of Technology

FRIDAY, April 5 • 1:10 PM - 2:50 PM

- 1:10** Homsy George*, Binghamton University; Lu Liao, Cornell University; Mildred Warner, Cornell University; *Social Equity and Sustainability – Can Cities Lead the Way?*
- 1:30** Maximilian Eisenburger*, University of Illinois (Dept Urban & Regional Planning); *Installing equity in solar energy systems: the role of state, local, and business institutions*
- 1:50** Joan Fitzgerald*, Northeastern University; *Can the U.S. Create Renewable Regions?*
- 2:10** Natasha Iskander*, New York University; Associate Professor
- 2:30** **Discussant(s):** Virginia Parks, Professor, University of California at Irvine

Friday-006-1:10 p.m. The Undergraduate Geography**Experience I: Students and Professors Share their Perspectives (Sponsored by Undergraduate Student Affinity Group, Community College Affinity Group, Geography Education Specialty Group)**

Room: Maryland C, Marriott, Lobby Level (Lightning Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Candice Luebbering, American Association of Geographers; Erika Ornoski, CSU Sacramento

CHAIR: Candice Luebbering, American Association of Geographers

- 1:10** Jacob Bostick*, University of Colorado Colorado Springs; *The Undergraduate Geography Experience at University of Colorado Colorado Springs – Student Perspective*
- 1:17** Caitie Finlayson*, PhD, University of Mary Washington; *The Undergraduate Geography Experience at the University of Mary Washington - Faculty Perspective*
- 1:24** Benjamin Suriani*, *The Undergraduate Geography Experience at The State University of New York, Geneseo – Student Perspective*
- 1:31** Jennifer Rogalsky*, SUNY Geneseo; *The Undergraduate Geography Experience at The State University of New York, Geneseo – Faculty Perspective*
- 1:38** Grace Fleming*, *Undergraduate Geography Experience at DePaul University/ Student Perspective*
- 1:45** Winifred Curran*, DePaul University; *Undergraduate Geography Experience at DePaul University/ Faculty Perspective*
- 1:52** **Discussant(s):** Erika Ornoski, CSU Sacramento
- 1:59** Robin Dattel*, California State University - Sacramento; *The Undergraduate Geography Experience at California State University Sacramento – Faculty Perspective*
- 2:06** Katya Rudnik*, University of Vermont; *The University of Vermont's Geography Department: an undergraduate experience*
- 2:13** Dagmar Budikova*, Professor, Illinois State University; *The Undergraduate Geography Experiences at Illinois State University - Faculty Perspective*
- 2:20** **Discussant(s):** Julian Barr, Graduate Student and Undergraduate Advisor, University of Washington

Friday-007-1:10 p.m. Negative Geographies: Exploring the Politics of Limits (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mitch Rose, Aberystwyth University; David Bissell, University of Melbourne

CHAIR: Matthew Hannah, Universität Bayreuth

- 1:10** Mitch Rose*, Aberystwyth University; *Tragic democracy*
- 1:25** Friederike Landau*, Postdoctoral Researcher; *Testing the Limits of (In)Action – On the Affective Neg(oti)ation of the Future of Europe via Artist Activism*
- 1:40** Chris Philo*, University of Glasgow; *Nothing-much geographies, or towards micrological investigations*
- 1:55** Vickie Zhang*, University of Melbourne; *A weak affirmation of surrender, or, the love of a cultural translator*
- 2:10** Eleanor Wilkinson*, University of Southampton; *Dead ends: On numbness, impasse, and the negative*
- 2:25** David Bissell*, Dr, University of Melbourne; Andrew Gorman-Murray, Western Sydney University; *Disoriented Geographies: undoing relations, encountering limits*

Friday-008-1:10 p.m. Working the Archives: Methodological Challenges of Doing Historical Research in Geography 1 (Sponsored by Qualitative Research Specialty Group, Historical Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Christian Siener, CUNY Graduate Center; Monica Varsanyi, CUNY - Graduate Center

CHAIR: Monica Varsanyi, CUNY - Graduate Center

- 1:10** Yda Schreuder*, University of Delaware; *Evidence from Freight Records and Protocols at the Amsterdam City Archives in the Seventeenth Century*
- 1:25** Naomi Adiv*, University of Toronto; *Privatization of municipal public space and access to archival budgetary records*
- 1:40** Patricia Martin*, Université De Montréal; *Reconstructing historical geographies of counter-revolution in Mexico: the methodological dilemmas of working with the archives of the Dirección Federal de Seguridad*
- 1:55** John-Henry Pitas*, University of Maryland - Baltimore County; *Historical natures and archival research: The production of historical space through content curation and clip files.*
- 2:10** Christian Siener*, Student, CUNY Graduate Center; *Camp LaGuardia and the Changing Politics of Coercion and Consent*

Friday-009-1:10 p.m. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program 2 (Sponsored by Careers and Professional Development)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Antoinette WinklerPrins, National Science Foundation; Jacqueline Vadjunec, Oklahoma State University

CHAIR: Jacqueline Vadjunec, Oklahoma State University

Friday-010-1:10 p.m. The Environmental State in the Village 3: The Place of the State in Commodified Conservation (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Myung Ae Choi

CHAIR: Anke Kaulard, Pontificia Universidad Católica del Perú

- 1:10** Emmanuel Mogende*, *CBNRM is dead': state intervention in community based natural resource management in the Okavango Delta, Botswana*

FRIDAY April 5 • 1:10 PM - 2:50 PM

1:30 Nitin Rai*, Ashoka Trust for Research in Ecology and the Environment; Ajit Menon, Professor, Madras Institute of Development Studies; *Tigers at your service: Why is the state valuing ecosystem services of tiger reserves?*

1:50 Yogesh Dongol*, Florida International University; *Conservation as territorial securitization: State (re) making in the buffer zone of Chitwan National Park, Nepal*

2:10 Myung Ae Choi*, State-led community-based ecotourism: multiple governmentalities of ecotourism development in Jeungdo, South Korea

2:30 Robert Yarbrough*, Georgia Southern University; *Ecotourism and Private Conservation in Northwestern Ecuador*

Friday-012-1:10 p.m. Migration Policies: Illegalization and Criminalization of Bodies, Solidarity and Practices of Resistance I (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Pierpaolo Mudu, University of Washington - Tacoma; Sutapa Chattopadhyay, UNU-Merit & Maastricht University

CHAIR: Salvatore Engel-Di Mauro, SUNY New Paltz

1:10 Introduction(s): Ayushman Bhagat, University of Durham

1:30 Melora Koepke*, Simon Fraser University; *Tactics for the unthinkable: Crisis and care at the crossroads of the "European migration crisis"*

1:50 Romain Filhol*, Université Paris Est; *Struggling for legal documents or fighting to improve work conditions? Comparison between two movements struggling for the rights of migrant workers in Southern Italy*

2:10 Pierpaolo Mudu*, PhD, University of Washington - Tacoma; Deanna Dadusc, University of Brighton; *Opposing the Criminalization of Migrants and Solidarity: Ideas and Practices*

2:30 Discussant(s): James Tyner, Kent State University

Friday-016-1:10 p.m. Envisioning the Anthropocene: Insights from Teaching & Praxis (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Innisfree Mckinnon, University of Wisconsin-Stout; Megan Dixon, The College of Idaho

CHAIR: Innisfree Mckinnon, University of Wisconsin-Stout

Introduction(s): Innisfree Mckinnon, University of Wisconsin-Stout

Panelist(s): Patrick Hurley, Assoc. Professor, Ursinus College; Ben Wisner, DR; Erle Ellis, Professor, University of Maryland - Baltimore County; Shelley Grant, Researcher, PPGNH/UW Seattle

Discussant(s): Megan Dixon, Instructor, The College of Idaho

Friday-017-1:10 p.m. Decolonizing Geography - A Call to Action (Sponsored by Black Geographies Specialty Group, Latinx Geographies Specialty Group, Harassment-Free AAG Initiative)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Ilaria Giglioli, University of California - Berkeley

CHAIR: Camilla Hawthorne, University of California - Berkeley

Panelist(s): Jovan Lewis, University of California - Berkeley; Naya Jones, Postdoctoral Fellow & Consultant, Medical College of Wisconsin; Meredith Palmer, Graduate Student, UC Berkeley; Linda Quiquívix; Tracey Osborne, Associate Professor, University of Arizona

Friday-018-1:10 p.m. Alternative Urbanism in the Global South (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Regional Development and Planning Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): BIKRAMADITYA CHOUDHARY, Jawaharlal Nehru University; Diganta Das, Nanyang Technological University; Arun Tripathi, University of Delhi

CHAIR: Balbir Butola, CSRD, JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI INDIA

1:10 Introduction(s): Diganta Das, Assistant Professor, Nanyang Technological University

1:22 Balbir Butola*, CSRD, JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI INDIA; *Rhizome City*

1:42 Arun Kumar Tripathi*, Dr, University of Delhi; *Dark Shades on Glittering Spaces: Excluding Masses in "Inclusive City"*

1:59 Sothun Nop*, The University of New South Wales; Alec Thornton, The University of New South Wales; *Community participation in modern urban development planning: A case of Phnom Penh city, Cambodia*

2:16 Shoshana Goldstein*, Cornell University; *Urban Villages and Class Transformation in Gurgaon, India*

2:33 BIKRAMADITYA CHOUDHARY*, Jawaharlal Nehru University; *Making and Unmaking of Exclusionary Spaces in Indian City: A case of Banaras*

Friday-019-1:10 p.m. Curbing Animositities and Violence Besetting the Middle East: Biblical and Geographical Suggestions for Solutions (Sponsored by Bible Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): William Dando, Indiana State University

CHAIR: William Dando, Indiana State University

Panelist(s): William Dando, Director, Indiana State University; Dorothy Drummond, Indiana State University; Nicole DePue, Jerusalem University College; Gordon Franz, College Instructor; Victoria Alapo, Metropolitan Community College

Friday-020-1:10 p.m. Revisiting the Role of Place in the Knowledge Economy I (Sponsored by Media and Communication Geography Specialty Group)

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Filipa Pajevic, McGill University

FRIDAY, April 5 • 1:10 PM - 2:50 PM

CHAIR: Patrick Kilfoil, McGill University

1:10 Harald Bathelt, University of Toronto; Sebastian Henn*, University of Jena; *Knowledge Generation, Trust and the Secretive Geographies of Merger and Acquisition Processes*

1:30 Kathrine Richardson*, San Jose State University; *The Lure of the Northern Star: Is Vancouver, Canada the next destination for Seattle and Silicon Valley Firms and Talent?*

1:50 Dorota Celinska-Janowicz*, University of Warsaw, EUROREG; Maciej Smetkowski, University of Warsaw, EUROREG; *Location patterns of APS firms vs. business districts: a tale of agglomeration and specialisation in era of creativity*

2:10 Duco De Vos*, Delft University of Technology; Evert Meijers, Delft University of Technology; *Information technology and urban density*

2:30 Ryan Wallace*, University of Massachusetts - Amherst; Henry Renski, PhD, University of Massachusetts - Amherst; *The Geography of Remote Work: Exploring Regional Differences across US regions*

Friday-021-1:10 p.m. CJRS 8. Sectors and the City

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): John Miron, University of Toronto

CHAIR: Jason Eliaser

1:10 Jiri Blažek*, Charles University; Tereza Hejnová, Charles University; *Shifting geography of the European banking centres as a result of the global economic crisis and its aftermath*

1:30 Salomé Serin*, Université de Cergy-Pontoise; *Securing public-access buildings against terrorist threats: the use of geomatics, from safety diagnosis to qualitative assessment of security*

1:50 Jie Shen*; Xiang Luo, Shanghai Pudong Planning and Design Institute; Deyi Kong, Tongji University; *Financialization and the development of university towns in China*

2:10 Ismael Yrigoy*, *Dispossession by regulation: the political economy of non-performing loans and housing foreclosure in Spain*

2:30 Jason Eliaser*, *Confessions of a Forecloser: Case Studies From Inside the Foreclosure Industry*

Friday-022-1:10 p.m. New Voices in Rural Geography (Sponsored by Rural Geography Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Andrew Husa

CHAIR: Andrew Husa

1:10 Jennifer Mitchell*, *Defining Rural Education: Exploring the relationship between place and public education outcomes in New Hampshire*

1:30 Gabriella Subia Smith*, *Formalizing the Gaps: Rural property, development, and ordenamiento territorial*

1:50 Geoff Brown*, Science Librarian, Northeastern Illinois University; *The truth is out where?: Rural tropes in two decades of UFO sighting reports*

2:10 KD Brown*, MPH, University of North Carolina - Chapel Hill, Department of Geography; Sarah Rhodes, PhD, University of North Carolina, Chapel Hill. Gillings School of Public Health; *Rural Economies of Waste: Environmental Justice, Antimicrobial Resistance, and Industrial Agriculture in North Carolina*

2:30 Carly Griffith*, University of Wisconsin - Madison; *The Common Estate: Property, Energy, and Inheritance in Western North Dakota*

Friday-023-1:10 p.m. Smart Urban Experimentation 3: Developments & Resistances in Knowledge Politics & Decision-making. (Sponsored by Digital Geographies Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rachel Macrorie, University of Sheffield; Philipp Spaeth, Freiburg University; Pamela Robinson, Ryerson University

CHAIR: Philipp Spaeth, Freiburg University

1:10 Igor Calzada*, University of Oxford; Esteve Almirall, ESADE Business School; *Is Barcelona establishing a sustainable paradigm in Europe by grassroots-led smart urban experimentation through the 'data commons' policy?*

1:30 Gernot Grabher, HafenCity University Hamburg; Filipe Mello Rose*, HafenCity University Hamburg; Joachim Thiel, HafenCity University Hamburg; *Global Markets, Local Networks. Exploring the Amsterdam Smart City*

1:50 Pamela Robinson*, Ryerson University; *Canadian Smart City Experiments: Emerging Trends from the Smart City Challenge and Sidewalk Lab's Quayside*

2:10 Adrian Smith*, Science Policy Research Unit; *Smart citizens and thick data: knowledge politics in a noisy square in Barcelona*

2:30 Ignacio Perez*, University of Oxford; *Following Data: Examining the role of big data in urban decision-making in Santiago de Chile*

Friday-024-1:10 p.m. Graduate Voices in the Lawscape I: Legal Geographies of Mobility, (Im)migration, and Public Space (Sponsored by Legal Geography Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Brittany Wheeler, Clark University; Alida Cantor, Portland State University

CHAIR: Austin Kocher

1:10 Rene Kreichauf*, Freie Universität Berlin; *Campization – Legal Paradigm Shifts, Asylum Laws and the Production of Spaces of Exclusion*

1:30 Sarah Klosterkamp*, University of Muenster; *Invisible Bodies and Innocent Goods – A Critical Analysis of the Social Construction of Gender by German Law Enforcement Authorities*

1:50 Christian Pettersen*, University of Georgia; *Towards a Legal-Geographic Theory of Hybrid Justice*

2:10 Rebecca Young*, Florida Int'l University; *Battles over 'Public' Space: The Contested Use of Public Urban Parks in Miami and Fort Lauderdale*

2:30 Discussant(s): Austin Kocher, Dr.

Friday-025-1:10 p.m. Education and Information Dissemination

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Ayanda Masilela

FRIDAY April 5 • 1:10 PM - 2:50 PM

- 1:10** Dolly Na-Yemeh*, University of Oklahoma; Jad R Ziolkowska, Dr., University of Oklahoma; *OK-First tools and Mesonet information applications – First insights and outlook*
- 1:30** SHIH JUNG LIN*; *The Transit and Consolidation of Theory of Plate Tectonics in Taiwan, 1953-1985*
- 1:50** Bala Dogo*, Kaduna State University; Cyril Kanayochukwu Ezeamaka, Department of Geography Nigerian Defence Academy, Kaduna- Nigeria; Joel Ajibuah, Department of Geography, Nigerian Defence Academy Kaduna, Nigeria; Adebo Adepetu, Department of Geography, Kaduna State University, Kaduna, Nigeria; Adewuyi Taiye Oluwafemi, Department of Geography, Nigerian Defence Academy Kaduna, Nigeria; Oluwale Olumide Akinwumi, Department of Geography, Nigerian Defence Academy Kaduna, Nigeria; *Spatial Distribution of Educational Facilities in Lere Local Governemnt Area of Kaduna State, Nigeria*
- 2:10** Ayanda Masilela*; *Considering context for the development of liberatory curricula in the martial arts.*

Friday-026-1:10 p.m. Urgent Issues in Ethnic Geography (Sponsored by Ethnic Geography Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Yining Tan; John Ponstingel, Texas State University
 CHAIR: Yining Tan

- 1:10** Puttaporn Areeprachakun*, University of Wisconsin - Madison; *Performative bordering practices: the study of the boundaries between migrant workers from Myanmar and native-born people in the Mahachai area, Samut Sakhon province, Thailand*
- 1:30** Marylynn Steckley*, Carleton University; *"Manman, poukisa y'ap rele m blan?" [Mama, why are they calling me a white?]: race, research, and mothering in cross-cultural contexts*
- 1:50** Alan P. Marcus*, Ph.D., Towson University; *Confederate Immigration to Brazil after the U.S. Civil War*

Friday-027-1:10 p.m. Challenging Injustice and the Neoliberal Academy from within: Ethical Considerations for the Every-day Work of Scholars (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Careers and Professional Development)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Panel)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Justin Mullikin, Rutgers University; Heidi Hausermann, Colorado State University
 CHAIR:

Panelist(s): Melina Patterson, Associate Professor, University of Mary Washington; Masami Levi, PhD, National University of Samoa; Neera Singh, Associate Professor, University of Toronto; Jonah Walters, Rutgers University

Discussant(s): Garrett Graddy-Lovelace, Assistant Professor, American University School of International Service

Friday-028-1:10 p.m. Innovation, Regeneration and Spatial Restructuring in China: A Tale of Two Cities

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Lingyue LI
 CHAIR: Lingyue LI

- 1:10** Zhonghua GU*, Guangzhou University; *Towards spatial justice through policy innovation: a case of Yongqing Lane*
- 1:30** Dingxi HUANG*, Ke FAN, Guangdong Urban Rural Planning and Design Institute; *Gentrification or innovation oriented revitalization: discussion on emerging new urban regeneration models in China*
- 1:50** Zhixin Qi*, Sun Yat-sen University; Shi Xian, Guangzhou University; *Monitoring urban renewal using multi-temporal Landsat imagery: A case of Guangzhou, China*
- 2:10** Lingyue LI*, Department of Urban Planning, CAUP, Tongji University; Xiaohu ZHANG, Singapore-MIT Alliance for R&T; *Mapping innovation space in Shanghai*
- 2:30 Discussant(s):** Roger Chan, Professor, The University Of Hong Kong

Friday-031-1:10 p.m. Political Ecologies of Health/Disease in Agrarian Settings I (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Development Geographies Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Sara Cavallo, Penn State University; Kevon Rhiney, Rutgers University
 CHAIR: Kevon Rhiney, Rutgers University

- 1:10** David Lansing*, University of Maryland - Baltimore County; *Remaking Life Along the Commodity Chain*
- 1:30** Sara Cavallo*, Penn State University; *A culture of cultures: the social regulation of plant disease, farmer identities, and implications for biodiversity*
- 1:50** Andrea Lund*, MPH, Stanford University; Susanne H Sokolow, DVM, PhD, Stanford University; Nicolas Jouanard, Espoir Pour La Sante; David Lopez-Carr, PhD, University of California, Santa Barbara; Giulio A. De Leo, PhD, Stanford University; Omar Sow, Stanford University; Sofia Ali, Stanford University; Gilles Riveau, PhD, Espoir Pour La Sante; Simon Senghor, Espoir Pour La Sante; *Unavoidable risks: persistent water contact despite local knowledge of schistosomiasis risk in an endemic region of northern Senegal*
- 2:10** Julie Guthman*, Univ of California Santa Cruz; *Entangled pathologies in the California strawberry assemblage*
- 2:30 Discussant(s):** Brian King, Associate Professor, Pennsylvania State University

Friday-032-1:10 p.m. Emerging Geographies of Amazonia: An Uncertain Future (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Latinx Geographies Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Panel)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Cynthia Simmons, University of Florida

FRIDAY, April 5 • 1:10 PM - 2:50 PM

CHAIR: Cynthia Simmons, University of Florida

Introduction(s): Cynthia Simmons, Associate Professor, University of Florida

Panelist(s): Miguel Pinedo-Vasquez, Columbia University; Philip Fearnside, Research Professor, INPA; Robert Walker; Susanna Hecht, Professor, University of California Los Angeles

Friday-033-1:10 p.m. Symposium on Frontiers in Geospatial Data Science: Foundations, Principles, and Theories of Geospatial Data Science (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Shaowen Wang, University of Illinois at Urbana-Champaign

1:10 Shih-Lung Shaw*, Professor, University of Tennessee; *GIScience Beyond Absolute Space: A Space-Place (Splatial) GIScience Framework*

1:30 Shaowen Wang, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; David Tarboton, Department of Civil and Environmental Engineering, Utah State University; Mike Hodgson, Department of Geography, University of South Carolina; Eric Shook, Department of Geography, Environment, and Society, University of Minnesota; Xingong Li*, Department of Geography & Atmospheric Science, University of Kansas; *A Map Algebra Approach to Analyzing Spatiotemporal Data*

1:50 Ying Song*, University of Minnesota - Minneapolis, MN; Yingling Fan, University of Minnesota - Twin Cities; Julian Wolfson, University of Minnesota - Twin Cities; *Using smartphone-based activity survey to understand individual mobility and accessibility in urban environment across time: an object-oriented framework*

2:10 Yi Qiang*, Dr., University of Hawaii - Manoa; *Spatio-Temporal Data Mining and Analyses in a Multi-Scale Framework*

2:30 Discussant(s): Shaowen Wang, Professor & Department Head, University of Illinois at Urbana-Champaign

Friday-033.5-1:10 p.m. Exchanging Knowledge with Communities for Improving Resilience to Extreme Heat

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Patricia Solis, Arizona State University; Elizabeth Wentz, Arizona State University

CHAIR: Elizabeth Wentz, Arizona State University

1:10 Qunshan Zhao*, Arizona State University; Ziqi Li, Arizona State University; Jowan Thornton, The Salvation Army Phoenix Family Services; Patricia Solis, Arizona State University; Elizabeth Wentz, Arizona State University; *Optimizing and rebalancing heat-related utility assistance provider-client system at Phoenix, Arizona*

1:20 Wei Luo*, Arizona State University; Qunshan Zhao, School of Geographical Sciences and Urban Planning Arizona State Univ.; Heather Fischer, Center for

Research on Lifelong STEM Learning Oregon State University; Patricia Solis, School of Geographical Sciences and Urban Planning Arizona State Univ.; Elizabeth Wentz, School of Geographical Sciences and Urban Planning Arizona State Univ.; *Developing Utility Assistance Community Resilience Networks in Maricopa County*

1:30 Dhrumil Shah*, Qunshan Zhao, Co-Author; Ziqi Li, Co-Author; Heather Fischer, Co-Author; Wei Luo, Co-Author; Patricia Solis, Co-Author; Elizabeth A. Wentz, Co-Author; *ActivityLog – HeatMappers: A Novel Research Data Collection Tool for Logging Human Activities, Locations and Environment Data*

1:40 Maximus Caron*, Arizona State University; Heather Fischer, Oregon State University; *Mapping Heat Vulnerability in Maricopa County, Arizona with the HeatMappers Volunteer Science program*

1:50 Heather Fischer*, Arizona State University; *Sweating for Science at the HeatMappers Walk event: a case study on blazing trails in volunteer science to inform policy and practice.*

2:00 Calvin Higgins*, Saint Louis University; Chuyuan Wang, Arizona State University; *Spatial Analysis of Heat-Related Deaths in Maricopa County, Arizona*

2:10 Discussant(s): Paul Chakalian, Arizona State University

2:20 Discussant(s): David Sailor, Arizona State University

2:30 Discussant(s): Joe Russell, Office of U.S. Senator Kyrsten Sinema of Arizona

2:40 Discussant(s): Shelley Morgan, Arizona Department of Economic Security

Friday-034-1:10 p.m. Place Geographies in Spaces of Disaster and Tragedy 1 (Sponsored by Cultural Geography Specialty Group, Study of the American South Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rex Rowley, Illinois State University; Ronald Schumann, University of North Texas; Matthew Cook, Eastern Michigan University

CHAIR: Rex Rowley, Illinois State University

1:10 Kearney Coupland*, Wilfrid Laurier University; Bree Akesson*, *"Our souls are still in Syria": Displaced Syrian families' experiences of place and well-being*

1:30 Samuel Smith*, University of Colorado, Boulder; *Museum Narratives: Mediating Places in Interpreting Violence and Tragedy*

1:50 Matthew Cook*, Assistant Professor, Eastern Michigan University; *Dark tourism and pilgrimage in the museum: Considering the case of Emmett Till's casket*

2:10 Rex Rowley*, Associate Professor, Illinois State University; *VegasStrong after 1 October: Exploring Place Following a Mass Shooting*

2:30 Darrel McDonald*, Professor Geography, Stephen F Austin State University; *Reflections on the Path of Memorialization for the Columbia Shuttle Disaster in East Texas: Fifteen years after the Event*

FRIDAY April 5 • 1:10 PM - 2:50 PM**Friday-035-1:10 p.m. Affective Geographies of Politics I
(Sponsored by Geographic Perspectives on Women
Specialty Group, Political Geography Specialty
Group, Cultural Geography Specialty Group)**

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Banu Gokarikel, University of North Carolina, Chapel Hill; Michelle Padley, University of North Carolina - Chapel Hill; Lily Herbert, University of North Carolina - Chapel Hill

CHAIR: Sara H. Smith, University of North Carolina

1:10 Jacob Miller*, Northumbria University; *Embodied Politics of Development at the Chiloé Archipelago in Southern Chile***1:30** Gloria Howerton*, *Emotional Appeals and Abusive Strategies: The Political Framing of Mexican American Studies as Anti-White and Anti-American***1:50** Lorraine Dowler*, Associate Professor, Penn State University; *Nonconsensual Nationalisms and Affective Privilege***2:10** Erin Clancy*, Department of Geography; *The Disappearing Body: Politics and Restoration***2:30** DEVRAN OCAL*, University of North Carolina - Chapel Hill; *The Everyday Reproduction of the Turkish State in Germany***Friday-036-1:10 p.m. Punk, Dischord, and DC: A conversation
with Ian MacKaye (Sponsored by Media and
Communication Geography Specialty Group)**

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

CHAIR:

**Friday-037-1:10 p.m. Gendering the Smart City 2:
Between Top-down and Ground-up World-making
(Sponsored by Digital Geographies Specialty Group,
Urban Geography Specialty Group, Socialist and
Critical Geography Specialty Group)**

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Ryan Burns, University of Calgary; Nabeela Ahmed, King's College London; Ayona Datta, King's College London

CHAIR: Ryan Burns, University of Calgary

1:10 Max Andrucki*, Temple University; *Gay Men as Infrastructure***1:25** Lukas Stevens*, McGill University; *The End of Location Theory? Some Implications of Micro-work, Work Trajectories and Gig-Work for Conceptualizing the Urban Space Economy***1:40** Harris Breslow*, American University of Sharjah; Byron Miller, University of Calgary; *The Smart City, Heterotopic Spaces and the Politics of Urban Informality***1:55** Teresa Abbruzzese*, York University; Brandon Hillier*, York University; *'More than Borrowing': Libraries Enabling Inclusion in the Smart City***2:10 Discussant(s):** Nabeela Ahmed, King's College London**Friday-038-1:10 p.m. Author Meets Critics: Geography:
Why It Matters by Alec Murphy**

Room: Washington 3, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Corey Johnson, University of North Carolina - Greensboro

CHAIR: Corey Johnson, University of North Carolina - Greensboro

Introduction(s): Corey Johnson, Associate Professor of Geography, University of North Carolina - Greensboro**Discussant(s):** William Moseley, Professor of Geography, Macalester College; Marie Price, Professor, George Washington University; Glen MacDonald, Distinguished Professor, University of California - Los Angeles; Dawn Wright, Chief Scientist, Esri; Alexander Murphy, Professor, University of Oregon**Friday-039-1:10 p.m. Where Have all the Students Gone?
(Sponsored by Geography Education Specialty Group)**

Room: Washington 4, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

Panelist(s): Michael DeMers, Professor, New Mexico State University; Richard Boehm, Jesse Jones Dist Chair, Texas State University; Erin Foubert, Professor of Geography, Northern State University; Jonathan Harbor, Professor, Purdue University; Gary Gress, Dr., University of Oklahoma**Friday-040-1:10 p.m. W3_5 Working with Real-Time and
Big Data with ArcGIS (Sponsored by Esri)**

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

**Friday-041-1:10 p.m. GeoAI and Deep Learning Symposium:
Whether and How GeoAI will Transform Geospatial
Research (Sponsored by Cyberinfrastructure
Specialty Group, Geographic Information Science
and Systems Specialty Group, Spatial Analysis and
Modeling Specialty Group)**

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Wenwen Li, Arizona State University

CHAIR:

Panelist(s): Yu Liu, Professor, Peking University**Discussant(s):** Michael Goodchild, Professor, University of California

FRIDAY, April 5 • 1:10 PM - 2:50 PM • Poster Sessions

Friday-043.1-1:10 p.m. Physical Geography in

Environmental Science

Theme: Physical Geography in Environmental Science

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Lien Pham*, Post Doc, Virginia Institute of Marine Science; Tuan Quoc Vo, remote sensing, Can Tho University, Department of Land Resources, 3/2 Street, Ninh Kieu Dist, Can Tho, Viet Nam; Thanh Duc Dang, Singapore University of Technology and Design, Engineering Systems and Design Pillar, 8 Somapah Road, Tampines, Singapore; *Monitoring mangrove vegetation dynamics in the Can Gio Biosphere Reserve, Vietnam and implications for management*

003 Poster(s) Jianhua Xu*, East China Normal University; Chong Wang, Shanghai University of Engineering Science; Jingping Zuo, East China Normal University; *Multiscale simulation of climatic-hydrological processes in the data-scarce mountain basins of Northwest China*

004 Poster(s) Wendy Abshire*, American Meteorological Society; Elizabeth W. Mills, American Meteorological Society; Kira A. Nugnes, American Meteorological Society; Katie L. O'Neill, American Meteorological Society; *Fostering Environmental Scientific Literacy by leveraging AMS Undergraduate Curriculum: Focus on Physical Oceanography*

005 Poster(s) William Delgado*, University of Texas - Austin; *The Need for Solar Desalination in Ciudad Juarez, Mexico and Israel*

006 Poster(s) Suzanne Dallman*, California State University - Long Beach; Anita M. Chaudhry, California State University - Chico; Misgana K. Muleta, CA Polytechnic State University, San Luis Obispo; Juneseok Lee, Manhattan College; *Is Rainwater Harvesting Worthwhile? A Benefit-Cost Analysis*

007 Poster(s) Sabah Saleh Aljenaïd*, PhD, Arabian Gulf University; Ghadeer Mohd Redha Khadeem, PhD Student, Arabian Gulf University (AGU); Manaf Fadhel AlKuzaei, PhD Student, University of Brighton, UK; Khalil Al-Wedaei, MSc., University of Bahrain (UOB); Mohammad Sulaiman Abido, PhD, Arabian Gulf University; Humood Abdulla Naser, PhD, University of Bahrain (UOB); *Multi-temporal change detection of Seagrass beds using integrated Landsat TM and OLI imagery in Bahrain marine area for the last 30 years*

008 Poster(s) Tianqi Zhang*, Ohio State University; Desheng Liu, The Ohio State University; *Applying Unsupervised Learning in Exploring Local Variations of Vegetation Change*

009 Poster(s) Matthew Connolly*, University of Central Arkansas; Raven L. Lawson, B.S., Central Arkansas Water; Ashley R. Barto, University of Central Arkansas; Mark E. Mahar, B.S., Oklahoma State University; *Stakeholder-centric Research Methods for Representative Mountain Bike Impacts in Drinking Water Source Drainage Basins*

0010 Poster(s) Calli VanderWilde*, *Resilience in the Food-Energy-Water Nexus: A bibliometric review*

011 Poster(s) Phillippe Wernette*, University of Windsor; Jacob Lehner, University of Windsor; Chris Houser, University of Windsor; *What is real? Identifying patterns of erosion and deposition in context of*

spatially-variable uncertainty

012 Poster(s) Keith Henderson*, Villanova University; *Patterns of Human/Nature Interaction through Wildlife-Oriented Outdoor Recreation Participation*

013 Poster(s) Jennifer Jensen*, Texas State University; David Hoeinghaus, University of North Texas; *River-stage specific floodplain inundation models to identify suitable Alligator Gar spawning habitat*

014 Poster(s) Yesenia Garcia*, San Diego State University; Isaac I.T. Ullah, Dr., San Diego State University Assistant Professor & Undergraduate Advisor; *Using Open Source GIS Software to Address Archaeological Problems: Preserving Sites on San Miguel Island*

015 Poster(s) XUEJIE MOU*, XIAHUI WANG, Co-Author; XIAO ZHANG, Co-Author; SHENG RAO, Co-Author; ZHENXIAO ZHU, Co-Author; HUIXIA CHAI, Co-Author; *Ecological Carrying Capacity Evaluation Based on Ecosystem Service Provision and human's Consumption—Case study in Yanqing district, Beijing*

016 Poster(s) Yannan Zhou*, Institute of Geographic Sciences and Natural Research, CAS; Yu Yang, Institute of Geographic Sciences and Natural Research, CAS; *China's carbon dioxide emission and driving factors: A spatial analysis*

017 Poster(s) Xiaoqing Shen*, Texas A&M; Russell W. Jessup, Texas A&M University; Dirk B. Hays, Texas A&M University; Iliyana Dobrev, Texas A&M University; Burson L. Byron, Texas A&M University; Rodante Tabien, Texas A&M University; *Application of ground penetrating radar (GPR) to quantify organic carbon in biochar amended soil*

018 Poster(s) Kurt Willson*, University of Maryland - College Park; *The Relationship Between Economic Development, Renewable Energy Production, and CO2 Emissions: Case Studies of Costa Rica, Bhutan, and Sweden*

019 Poster(s) Antoinette Montes*, *Suitability Profile for Offshore Wind on Lake Michigan (Chicago, Illinois)*

020 Poster(s) Karen Humes*, University of Idaho; Emily Thompson, Department of Geography, University of Idaho; *Energy Use for Irrigation in a Major U.S. Agricultural Region*

021 Poster(s) Georgienna Driver*, *If Trees Could Talk: Using Tree Health to Identify Methane Leaks*

022 Poster(s) Keith Bremer*, Fort Hays State University; Amanda Buday, Fort Hays State University; Connor Phelan, Fort Hays State University; Crique Smith, Fort Hays State University; Connor Mountford, Fort Hays State University; Ashton Clark, Fort Hays State University; *Impact Geographies of Wind Energy Development in Kansas*

023 Poster(s) Derek Emmons*, California State University Long Beach; *Cracking the Crust: Soil Carbon, Bulk Density, and Grazing in a Valley Oak Savanna*

024 Poster(s) Marco Millones Mayer*, University of Maryland; Elsa Nickl, University of Delaware; Benoit Parmententier, University of Maryland; Simone Lucatello, Instituto Mora; Alonso Trejo, Universidad Autonoma de Mexico; *Drylands, aridification and land governance in Latin America. A regional perspective*

025 Poster(s) Alexander Vencill*, Athens-Clarke County; *Promoting integrated land management through public private partnerships and in-house GIS*

FRIDAY April 5 • 1:10 PM - 2:50 PM • Poster Sessions

- 026 Poster(s)** Emily Ritz*, Furman University; Emily Ritz, Earth and Environmental Sciences, Furman University; C Brannon Andersen, Earth and Environmental Sciences, Furman University; Christopher Romanek, Earth and Environmental Sciences, Furman University; *Methane Emissions to the Atmosphere from Lakes and Wetlands in the Southeast United States*
- 027 Poster(s)** Tim Garceau*, MURP, PhD, Central Connecticut State University; *Clearing the Air: One New England Community's Efforts to Improve Local Air Quality*
- 028 Poster(s)** Anne Lausier*, University of Maine; *Overlooked Trends in Observed Global Annual Precipitation: Insights from Rainfed Agriculture*
- 029 Poster(s)** Alisa Pettitt*, George Mason University and Fairfax County Park Authority; Sven Fuhrmann, George Mason University; *Ash Grove in 3D: Exploring History through Story Maps and XR Technologies*
- 030 Poster(s)** Lihua Yuan*, Beijing Normal University; *Spatial associations between NDVI and environmental factors in the Heihe River Basin*
- 031 Poster(s)** Lina Clifford*, SUNY - Geneseo; Stephen J. Tulowiecki, SUNY Geneseo; *Assessing the relative influence of past Native American activity on Oak distribution in Canawaugus, NY*
- 032 Poster(s)** Brittany Rickey*, University of Wisconsin- Eau Claire Department of Geography and Anthropology; Luke Semingson*, University of Wisconsin- Eau Claire Department of Geology; Eric Drost, University of Wisconsin- Eau Claire Department of Geography and Anthropology; Glen Hook, University of Wisconsin- Eau Claire Department of Geology; *Henning's Lonesome Apple Tree Ridge Site, Eau Claire County, Wisconsin: An Investigation of Soils and Best Land Use Practices*
- 033 Poster(s)** David Jensen*, Virginia Tech; David Jensen, Virginia Tech; Lynn Resler, PhD, Virginia Tech; *Landfast Ice Seasonal Variability on St. Lawrence Island*
- 034 Poster(s)** John Marino*, New York Natural Heritage Program; Kadir Goz, SUNY ESF; Forest Swaciak, University at Albany, SUNY; *Joining GIS Datasets to Protect New York State from Aquatic Invasive Species*
- 035 Poster(s)** William Pacheco*, Utah Valley University; Dr. Eddy Cadet, Utah Valley University - Associate Professor - Department of Earth Sciences; Clayton Rawson, Utah Valley University; *Effect of the Tank Hollow wildfire on water resources and trace metal mobilization in soil horizons in the Uinta-Wasatch Forests as affected by plant types*
- 036 Poster(s)** Chong Di*, Hunter College - City University of New York; Shipeng Sun, Assistant Professor; Allan Frei, Professor; Weigang Qiu, Professor; *Exploring Local Environmental Factors Influencing Geographic Distribution of Black-Legged Tick Questing Activity*
- 037 Poster(s)** Meghan Petenbrink*, *Providing pollinator-friendly habitat spaces for the St. Mary's College of Maryland campus*
- 038 Poster(s)** Do Khym*, Cerritos College; Xinhua Shen, University of Northern Iowa Department of Earth and Environmental Sciences, Meteorology/Air Quality; *Weekday/Weekend O3 Concentration Patterns in the Los Angeles Basin in the 2017 Ozone Season*

Friday-043.2-1:10 p.m. Land Use and Land Cover

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** Aviva Wolf-Jacobs*, Pitzer College; *Mapping Land Use Around the San Francisco Bay: A Look at Environmental Justice Through S.F. Bay Conservation and Development Commission's Permitting History*
- 003 Poster(s)** Zifan Wang*, Keith C. Clarke, University of California, Santa Barbara; *Is the Rate of Land Use Change Constant? A Case Study of Santa Barbara, California*
- 004 Poster(s)** KWADWO DWOMOH*, South Dakota State University; *Changes in human development and land use patterns: Assessment of the wildland-urban interface patterns in four selected mid-west states*
- 005 Poster(s)** Derek McGovern*, Utah Valley University; Erin Call, Utah Valley University; Weihong Wang, Utah Valley University; Justin White, Utah Valley University; *Assessing the Impact of ~65 years of Land Use and Land Cover Change on the Utah Lake Watershed with Remote Sensing and Spatial Modeling*
- 006 Poster(s)** Chih Hao Chen*, Ph.D. Candidate of Department of Architecture, NCKU, Tainan, Taiwan; Wen Yen Wu, Assistant Professor of Department of Public Policy and Management, I - SHOU University, Kaohsiung, Taiwan; *Research on political and economic factors for repeated generation and repeated reuse of Idle space in Taiwan*
- 007 Poster(s)** Chiung-Shiuan Fu*, University of Florida; Di Yang, University of Florida; Michael Binford, University of Florida; *Characterizing forest disturbance regimes: Impact assessment of management in US forests*
- 008 Poster(s)** Tracy Severcool*, Pennsylvania State University; *Analyzing Priorities and Processes of Land Use Policy in Indigenous Ethiopia*
- 009 Poster(s)** Ye Tian*, *Economic and social effects of land use transition in middle reaches of Yangtze River in China: based on the analysis of PVAR model*
- 0010 Poster(s)** Louise Lindegaard*, University of North Carolina at Chapel Hill; *Reforestation efforts and sustainable land use practices in various land cover types of Southern Malawi*
- 011 Poster(s)** Dustin Braden*, *Granville Land Lab: A Case Study in Land Use Change for Education and Conservation*
- 012 Poster(s)** James Myers*, APUS; *Implications of Landscape Change for Conservation and Management: A Case Study from Central New Jersey, USA*
- 013 Poster(s)** Tanzania Tasneem Ahmed*, Graduate Student at Dept. of Geography and Planning, University of Toledo; *Change Detection in Erosion-Accretion of Dhaleswari River along with the Land Cover at Riverbanks: A Geospatial Analysis in Tangail, Bangladesh (1976-2016)*
- 014 Poster(s)** John Strain*, California State Polytechnic University Pomona, Pomona, CA; Kyung In Huh, California State Polytechnic University Pomona, Pomona, CA; *The shift of Population in the northwestern coastal portion San Diego North County from 1990 to 2015*

FRIDAY, April 5 • 1:10 PM - 2:50 PM • Poster Sessions

Friday-043.3-1:10 p.m. Rural Geography Specialty Group

Poster Session (Sponsored by Rural Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Christopher Laingen, Eastern Illinois University

001 Poster(s) Lisa Butler Harrington*, Professor, Kansas State University; *Thematic Categories for U.S. Place Names*

002 Poster(s) Phoebe Eichhorst*, University of North Dakota; Dr. Enru Wang, University of North Dakota; Zachary Seeger, University of North Dakota; *Identifying Food Deserts in Rural North Dakota: A GIS-Based Analysis of Food Accessibility*

003 Poster(s) Richard Greene*, Professor, Capital Normal University, Beijing; Liang Shumin, Institute of Agricultural Economics and development, Chinese Academy of Agricultural Sciences, Beijing, 100081, China; *Eurasian grassland's inter-basin water diversion projects and inland waterways*

004 Poster(s) Alex Blanco-Castano*, University of Colorado Colorado Springs; *Rural Depopulation and Land Use/Land Cover Change in Western Spain*

005 Poster(s) Jackson Rose*, Montana State University; Julia H Haggerty, PhD, Montana State University; *1. Resource Communities and Community Benefit Agreements: Securing Long-Term Benefits From Short-Term Extractive Projects*

006 Poster(s) Scott Odell*, Clark University; *Hydrosocial Flow: Climate change and community relations in Chile's mining regions*

007 Poster(s) Marco van Gemeren*, Middlebury College; Casey Lilley*, Middlebury College; *Class Discourses of the Gentrified Countryside*

008 Poster(s) Yansui LIU*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Rural revitalization and land use strategy under rapid urbanization in China*

009 Poster(s) Bryce Gunson*, Wilfrid Laurier University; *Sustainable and Equitable Development of Non-Timber Forest Products: Challenges and Opportunities for Ontario in a Changing Climate*

010 Poster(s) Zebulon Wallace*, Minot State University; *Tornado Alley versus Dixie Alley: An Investigation into the Imbalance of Tornado Fatalities and Injuries between Regions*

011 Poster(s) Lillian Cobo*, Northern Illinois University; Courtney Gallaher, Northern Illinois University; Michael Konen, Northern Illinois University; *Conservation Farming in the U.S. Corn Belt: Farmer Perceptions of Soil Health and the Adoption of Cover Crops*

012 Poster(s) Segnide Guidimadjebe*, Student; *The New Face of Agriculture in Southern California: Farmer Adaptation to Climate Change*

013 Poster(s) Lee Ebinger*, USDA/NASS; Avery Sandborn, USDA/NASS; *Using Spatio-Temporal Analyses to Investigate Crop Migration and Change in the North Central US*

014 Poster(s) Felix Haifeng Liao*, Dr., University of Idaho; *Scenarios of fruit and vegetable demand vs. agricultural production capacity in Idaho, USA: The links between community well-being and small farming*

015 Poster(s) Erica Martinez*, Santa Clara University; Christopher Bacon, PhD, Santa Clara University;

Anand Purohit, Santa Clara University; Kimberley Grandi, Santa Clara University; *Framing Rural Food and Water Insecurity, Development and Crisis in Nicaragua: A Discourse Analysis*

016 Poster(s) Christy Jean*, Kansas State University; *Preliminary Findings of Potential Increased Flood Risk near Aging Dams in Kansas, USA*

017 Poster(s) Steven Luse*, Coastal Carolina University; Andrew Nye, Coastal Carolina University; *Analysis of Wood Charcoal from Brookgreen Rice Plantation*

018 Poster(s) Akemi Inamoto*, Syracuse University; *Gender and Environmental Governance: Exploring the Impacts of Neoliberal Policies in Smallholder Rice Farming*

019 Poster(s) Vanessa Shin*, Christopher Bacon*, Santa Clara University; William Sundstrom, Santa Clara University; *A Community-Based Assessment of Diversification Strategies and Dietary Diversity with Smallholder Coffee Cooperatives and Farmers in Nicaragua*

020 Poster(s) Basnewende Zoungrana*, South Dakota State University, Department of Geography; *Farmer Managed Natural Regeneration System Definition and Impacts*

021 Poster(s) Dylan Rigsby*, University of Florida; *Communication pathways for climate resiliency in the Guatemalan coffee sector*

022 Poster(s) Corbin Hodges*, University of California, Santa Barbara; *Maize persistence and cattle decline in Guatemalan household livelihoods from 2000 to 2014: evidence from three time points of nationally representative data (LSMS/ENCOVI)*

023 Poster(s) Annelise Straw*, Graduate Student, American University; *The Internal Colonialism of Appalachian Absentee Land-Holdings: A Critical Analysis of the Appalachian Regional Commission*

024 Poster(s) Jacob Abramowitz*, Binghamton University, State University of New York; Andrey Petrov, Associate Professor, Department of Geography, University of Northern Iowa; Mark Sherrard, Associate Professor, Department of Biology, University of Northern Iowa; *Analyzing the Impact of Wind Turbines on Crop Condition in Story County, Iowa Using Airborne Hyperspectral Imagery*

025 Poster(s) Francesca Mundrick*, University of Pennsylvania; Mahvish Ilyas, MES Graduate, University of Pennsylvania; *Water Resource Challenges for Southern West Virginia: Proposed solutions for lack of suitable water infrastructure in rural communities*

026 Poster(s) Kelli Roemer*, Ph.D. Student, Montana State University; *Exploring rural resilience pathways for transitioning coal communities in the U.S. West*

027 Poster(s) Everett Spackman*, California State Polytechnic University; *The Application of Field Sampling and Imaging Spectroscopy to Detect Lead Contamination in Soil*

Friday-043.4-1:10 p.m. Geographies of Human Rights: The Right to Benefit from Scientific Progress

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Joshua Haralson*, Christopher Atchison,

FRIDAY April 5 • 1:10 PM - 2:50 PM • Poster Sessions

- Geology, University of Cincinnati; Timothy Hawthorne, Sociology, University of Central Florida; Christy Visaggi, Geosciences, Georgia State University; Hannah Torres, Sociology, University of Central Florida; *The Need for More People with Unique Abilities in the Field of Geography*
- 003 Poster(s)** Christiane von Reichert*, Geography and RTC: Rural, University of Montana; Rayna Sage, RTC: Rural, University of Montana; Helen E. Berry, Sociology, Social Work & Anthropology, Utah State University; *The Household Context of Disability*
- 004 Poster(s)** Kevin Inks*, University of Wisconsin - Madison; *The Braided River as Borderscape: Land Tenure and Disaster Relief in the Brahmaputra River Valley*
- 005 Poster(s)** Youjin Kim*, UC Irvine; *The Sanctuary Movement in Orange County*
- 006 Poster(s)** Johnathan Walker*, James Madison University; *Kurdish Refugee Resettlement and Kurdish Communities in the United States*
- 007 Poster(s)** Jing Yuan*, School of Computing and Information Science, University of Maine; Kate Beard, School of Computing and Information Science, University of Maine; *Spatial Patterns in Amenity Migration Indicators in Coastal Maine*
- 008 Poster(s)** Maxwell N*, SUNY - Geneseo; *Analysis of Refugee Resettlement Patterns in the United States*
- 009 Poster(s)** Jessie Yin*, University of Texas - Austin; Rebecca Torres, Dr, University of Texas - Austin; *Aging Out: Unaccompanied Minors at the Border*
- 0010 Poster(s)** Christopher Pierce*, Texas State University; *Preliminary View of GIS and Refugee Resettlement*
- 011 Poster(s)** Jason Sarkozi-Forfinski*, Oregon State University; Susan Si, Oregon State University; Yinghui Wong, Oregon State University; *(Re)Producing English Dominance: Linguistic Landscape and Invisibilization on a Multilingual Campus*
- 012 Poster(s)** Katie Bart, American Civil Liberties Union of Michigan; Wendy Dorman*, Eastern Michigan University; *Innocent until proven indigent: factors contributing to lengthy pretrial detention in Michigan*
- 013 Poster(s)** Anika Vassell, Simon Fraser University; Germaine Tuyisenge*, Simon Fraser University; *Unpacking the human rights implications of adolescent childbearing: examples from Angola and Brazil*

FRIDAY April 5 • 1:10 PM - 2:50 PM

Friday-047-1:10 p.m. HGSG Distinguished Historical Geographer Lecture (Sponsored by Historical Geography Specialty Group, Climate Specialty Group, Cultural Geography Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Kirsten Greer, Nipissing University

CHAIR: Briony McDonagh, University of Hull, UK

Panelist(s): Georgina Endfield, University of Liverpool

Friday-048-1:10 p.m. Hazards, Risks, and Disasters 7 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University;

Naomi Lazarus, California State University - Chico

CHAIR: Naomi Lazarus, California State University - Chico

1:10 Damienne Provitolo*, UMR Géoazur; Edwige Dubos-Paillard, Université Paris 1 Panthéon-Sorbonne, Laboratoire Géographie-cités; *Com2SiCa (1) What are the dynamics of human behavior during disasters ?*

1:30 Edwige Dubos-Paillard*, University Paris 1 Panthéon Sorbonne, Laboratoire géographie-cités; Alice Connault*, UMR géographie-Cités; Damienne Provitolo, University Côte d'Azur (UCA) – CNRS, OCA, IRD, Géoazur; Sébastien Haule, UMR Géographie-Cités; Ludovic Chalonge, UMR Géographie-Cités; Alexandre Berred, University du Havre Normandie - Laboratoire de Mathématiques Appliquées du Havre; *Com2SiCa (2)*

A database to explore the human behavior at the very moment of disasters

1:50 Fausto Marincioni*, Ph.D., Università Politecnica delle Marche; Alessandra Colocci, Università Politecnica delle Marche; *Modelling Disaster Risk Reduction through a human ecology approach*

2:10 Ryan P Reynolds*, PhD, University of British Columbia; Stephanie E Chang, PhD, University of British Columbia; *An indicator-based methodology to identify communities sharing similar coastal hazards vulnerability profiles*

2:30 Samuel Rufat*, University of Cergy-Pontoise, Paris, France; *Detecting local predictors of risk perception and individual behavior to improve social vulnerability assessments*

Friday-049-1:10 p.m. Spatial Studies of Erosion and Runoff

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Fangyu Zeng

1:10 Dengyun Wu*, East China Normal University; Honghua Lu, East China Normal University; *Spatial pattern of erosion rates in the northern Chinese Tian Shan constrained by fluvial geomorphologic data*

1:30 Ara Jeong*, Arizona State University; Yeong Bae Seong, Korea University; Ronald I. Dorn, Arizona State University; *Analyzing the influence of urbanization on natural erosion rates: Case study of Phoenix, USA*

FRIDAY, April 5 • 1:10 PM - 2:50 PM

1:50 Colleen Gura*, Kansas State University; Saugata Datta, Kansas State University; Pamela Kempton, Kansas State University; *Geochemistry in the Critical Zone: Limestone-Shale and Kimberlite weathering in the Flint Hills, Kansas, USA*

2:10 Muqi Xiong*; Ranhao Sun, State Key Laboratory of Urban and Regional Ecology; Liding Chen, University of Chinese Academy of Sciences; *Effects of soil conservation techniques on soil erosion and runoff: A global analysis*

Friday-050-1:10 p.m. Geographies of Green Infrastructure III: Green Amnesia (Sponsored by Climate Specialty Group, Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Marissa Matsler, Cary Institute; Andrea Gerlak, University of Arizona; Sara Meerow, University of Michigan

CHAIR: Zbigniew Grabowski, Portland State University

1:10 Introduction(s): Zbigniew Grabowski, PhD Candidate, Portland State University

1:15 Nermin Dessouky*, University of California; *Whose Green Is It Anyway? The Challenges of Operating Green Infrastructure in Residential Neighborhoods*

1:34 Henry Nieberg*, Macalester College; *Los Angeles' Riparian Renaissance: Rethinking Gentrification through City-Wide Green Infrastructure Projects*

1:53 Katie Krupala*, University of North Texas; *Green Entrepreneurialism and the Making of the Trinity River Corridor: The Intersection of Nature and Capital in Dallas, Texas*

2:12 Marissa Matsler*, Cary Institute; *Green Infrastructure and the Depoliticization of Urban Water Governance*

2:31 Discussant(s): Hamil Pearsall, Associate Professor, Temple University

Friday-051-1:10 p.m. Author Meets Critics: Juno Parrenas' Decolonizing Extinction (Sponsored by Animal Geography Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rebecca Lave, Indiana University; Becky Mansfield, The Ohio State University

CHAIR: Becky Mansfield, The Ohio State University

Discussant(s): Becky Mansfield, The Ohio State University; Kiran Asher, Professor, University of Massachusetts, Amherst, MA; Alice Hovorka, Professor, York University; Krithika Srinivasan, University of Edinburgh; Rebecca Lave, Associate Professor, Indiana University; Juno Parrenas, Assistant Professor, Ohio State University

Friday-052-1:10 p.m. Climate Specialty Group Student Paper Competition - Session III (Sponsored by Climate Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jase Bernhardt, Hofstra University

CHAIR: Jase Bernhardt, Hofstra University

1:10 Timothy Kinlaw*, Appalachian State University; *Warm Season Hydroclimatic Variability and Change in the*

Appalachian Region of the Southeastern U.S. from 1950 to 2018

1:30 Daniel Burow*, University of Tennessee, Knoxville; Kelsey Ellis, University of Tennessee, Knoxville; *Climatological analysis of hazardous precipitation in southeastern United States*

1:50 Michael L Marston*, Department of Geography, Virginia Tech; Andrew W Ellis, Department of Geography, Virginia Tech; *Analysis of Uniformity in the Temporal Distribution of Precipitation across the United States, 1948 - 2017*

2:10 Deanna Nash*, University of California - Santa Barbara; Leila Carvalho, University of California Santa Barbara; *Atmospheric Rivers Impact on High Mountain Asia Precipitation*

Friday-053-1:10 p.m. Global Perspectives on Geospatial Health Research

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall West, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Panelist(s): Rebecca Katz, Georgetown; Peng Gong, Professor; Joseph Oppong, Professor, University of North Texas; Jamie Pearce, Professor, University of Edinburgh; Wilbert Van Panhuis

Friday-054-1:10 p.m. Asian Symposium Keynote Speech — The Household Approach Toward Migration: Examples from China and Asia (Sponsored by Asian Geography Specialty Group, China Specialty Group, Regional Development and Planning Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Jennifer Pomeroy, York College of Pennsylvania

Friday-055-1:10 p.m. CAPE "Robert C. Netting" and "James M. Blaut" Joint Plenary Lecture, by Dr. Thomas Bassett and Dr. Jessica Dempsey (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Kimberley Thomas, Temple University

CHAIR: Kimberley Thomas, Temple University

1:10 Thomas Bassett*, University of Illinois, Urbana-Champaign; *"Bringing to Scale": The scaling-up concept in the agricultural value chain literature*

1:30 Jessica Dempsey*, University of British Columbia; *Is there time for caribou?*

Friday-056-1:10 p.m. Author Meets Critics: Julie Cidell and Imagining Sustainability: Creative Urban Environmental Governance in Chicago and Melbourne (Sponsored by Urban Geography Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

FRIDAY April 5 • 1:10 PM - 2:50 PM

ORGANIZER(S): David Prytherch, Miami University

CHAIR: David Prytherch, Miami University

Panelist(s): David Prytherch, Professor, Miami University;
Janelle Knox-Hayes, MIT; Kris Bezdecny, Assistant
Professor, California State University - Los Angeles;
V. Kelly Turner, Assistant Professor, University
of Southern California; Christina Rosan, Assistant
Professor, Individual Member

Discussant(s): Julie Cidell, University of Illinois

Friday-057-1:10 p.m. Polar Geographies (Sponsored by Polar Geography Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jessica Graybill, Colgate University

CHAIR: Timothy Heleniak, Nordregio - The Nordic Centre for Spatial Development

1:10 Nathan Kettle*, Alaska Center for Climate Assessment and Policy; *Knowledge co-production in contested spaces: an evaluation of the North Slope Borough-Shell Baseline Studies Program*

1:30 James Saku*, Frostburg State University; *The Environmental Review Process in the Western Canadian Arctic*

1:50 Siobhan McTiernan*, University of Northern Iowa; *National Parks and Native Alaskans*

2:10 Jukka Teräs*, Nordregio; *Smart Specialisation – a policy tool to promote innovation in the Arctic*

Friday-058-1:10 p.m. Sustainability and Socio-Ecological Systems

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: AL-BALUSHI SAID, Sulan Qaboos University

1:10 Brince Jones*, Université de Montréal; Liliana Perez, PhD, Université de Montréal; Raja Sengupta, PhD, McGill University; Jugal Patel, McGill University; *Extraction and implementation of movement rationales using Machine Learning and Agent-Based Models*

1:30 Varada Shevade*, Joanne Hall, University of Maryland, College Park; Tatiana Loboda, University of Maryland, College Park; *Future Forest Loss and its Impacts on Connectivity in Peninsular Malaysia's Tiger Landscape*

1:50 James MacCarthy*, FHI 360; John Poulsen, Duke University; *Effects of hunting and human disturbance on wildlife in northeastern Gabon*

2:10 AL-BALUSHI SAID*, Sulan Qaboos University; *Potential of invasive plants (*Prosopis juliflora*) to promote green economy*

Friday-060-1:10 p.m. Landscape Forensics 2.0 | Part 3:

Academic setting: Student work: The Al-Walaja Atlas (Sponsored by Cultural Geography Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Joni Palmer, Geography & Environmental Studies; Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

CHAIR: Joni Palmer, Geography & Environmental Studies

Panelist(s): Jens Haendeler, Al-Quds Bard College

Discussant(s): Joni Palmer, Ph.D., Geography & Environmental Studies

Introduction(s): Joern Langhorst, Associate Professor, University of Colorado Denver, College of Architecture and Planning

Friday-061-1:10 p.m. Ocean Frontiers I: (Sponsored by Coastal and Marine Specialty Group, Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Elizabeth Havice, University of North Carolina-Chapel Hill; Anna Zalik, York University

CHAIR: Anna Zalik, York University

1:10 Amy Braun*, University of North Carolina - Chapel Hill - Chapel Hill, NC; *Developing the Ocean Frontier through the United Nations Agenda 2030*

1:30 Noella Gray*, University of Guelph; *Science, Territory, and the Making of the High Seas Conservation Frontier*

1:50 Elizabeth Havice*, University of North Carolina-Chapel Hill; Lisa Campbell, Professor, Duke University; Amy Braun, PhD Candidate, University of North Carolina-Chapel Hill; *Science, scale and the frontier of governing mobile marine species*

2:10 Philip Steinberg*, Durham University; *Ocean Frontiers*

2:30 Lisa Campbell*, Duke University; *World-making through mapping: large marine protected areas and the transformation of the global ocean*

Friday-062-1:10 p.m. Imagery and Physical Geography

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Gustavo Lopes Queiroz, University of Calgary

1:10 Rachel Soobitsky*, Chesapeake Conservancy; *Chesapeake Bay Long-term High-Resolution Land Cover and Land Use Monitoring Program*

1:30 Annette Dietmaier*, Ludwig-Maximilians-University; Guillermo Castilla, Dr., Canadian Forest Service; Julia Linke, PhD, University of Calgary; Ralf Ludwig, Prof. Dr., Ludwig-Maximilians-University; Greg McDermid, PhD, University of Calgary; Mir Mustafizur Rahman, PhD, University of Calgary; *Comparison of airborne laser scanning and digital stereo imagery for characterizing forest canopy gaps in boreal forests in Alberta, Canada*

1:50 Evan Ellicott*, University of Maryland - College Park; Kaspar Hurni, Centre for Development and Environment (CDE); Ariane de Bremond, Global Land Programme (GLP); Nicholas Magliocca, University of Alabama; *Earth Observations for Detecting and Characterizing LSLAs*

2:10 Md. Shahinoor Rahman*, Bangladesh University of Engineering and Technology; Liping Di, Center for Spatial Information Science and Systems, George Mason University, VA, USA; Eugene Yu, Center for Spatial Information Science and Systems, George Mason University, VA, USA; Chen Zhang, Center for Spatial Information Science and Systems, George Mason University, VA, USA; Hossain Mohiuddin,

FRIDAY, April 5 • 1:10 PM - 2:50 PM

School of Urban and Regional Planning, University of Iowa, USA; *In-Season Major Crop Types Identification for US Cropland from Landsat Images*

2:30 Gustavo Lopes Queiroz*, University of Calgary; Gregory J McDermid, University of Calgary; Mustafizur Rahman, University of Calgary; Julia Linke, University of Calgary; Guillermo Castilla, Canadian Forest Service; Man Fai Wu, University of Calgary; *Remote Sensing of Coarse Woody Debris in Caribou Habitat*

Friday-063-1:10 p.m. Editors-Meet-Critics: Introduction to Housing, second edition (UGA Press, 2018) (Sponsored by Urban Geography Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Katrin Anacker, George Mason University

CHAIR: Katrin Anacker, George Mason University

Introduction(s): Katrin Anacker, Associate Professor, George Mason University

Panelist(s): Joseph Laquatra, Cornell University; Rachel Drew, Enterprise Community Partners; Andrew Carswell, University of Georgia; Kathryn Howell, Virginia Commonwealth University

Friday-064-1:10 p.m. Social Impacts of Energy Geographies - Energy Poverty and Beyond (Sponsored by Energy and Environment Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Joshua Randall, North Carolina State University

CHAIR: Joshua Randall, North Carolina State University

1:10 Joshua Randall*, North Carolina State University; *Spatial Analysis of Energy Poverty Vulnerabilities: Characterizing Spatial Injustices in Classifications and Solutions*

1:30 Alexander Nagel*, University of Idaho; Thomas Ptak, University of Idaho; Steven Radil, University of Idaho; *Rethinking Community: Analyzing the Landscape of Community Solar through the Community-Place Nexus*

1:50 Adam Gallaher*, Central Michigan University; *Spatial Statistical Analysis of Grid Optimization in Connecticut, Quantifying the Relationship Between Tree Trimming and Power Outages*

2:10 Cyrus Sinai*, University of North Carolina - Chapel Hill; *Spatiotemporal relationships between migration and fuel use in Malawi*

2:30 Caitlin Robinson*, The University of Manchester; *Energy poverty and gender: A spatial perspective*

Friday-065-1:10 p.m. Author Meets Critics: Penelope Anthias' Limits to Decolonization: Indigeneity, territory, and hydrocarbon politics in the Bolivian Chaco (Sponsored by Indigenous Peoples Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Joel Correia, University of Florida

CHAIR: Joel Correia, University of Florida

Introduction(s): Joel Correia, PhD, University of Florida

Discussant(s): Sharlene Mollett, Assistant Professor, University of Toronto; Tom Perreault, Professor, Syracuse

University; Cheryl McEwan, Dr, University Of Durham; Joseph Bryan, Associate Professor, Department of Geography, University of Colorado, Boulder

Panelist(s): Penelope Anthias, Assistant Professor in Human Geography, Durham University, UK

Friday-066-1:10 p.m. Seeking solutions to land challenges of the Anthropocene: Land Systems Science at the Interface of Normative and Policy Concerns I (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rinku Roy Chowdhury, Clark University; Darla Munroe, Ohio State University

CHAIR: Darla Munroe, Ohio State University

1:10 Kelley Crews*, University of Texas - Austin; Gregory S Okin, UCLA; Judy Carney, UCLA; *Revisiting Ecumene: Mosaics of Lived Landscapes*

1:30 Rinku Roy Chowdhury*, Associate Professor, Clark University; *Neoliberal reform and land systems*

1:50 Carlos Dobler-Morales*, Clark University; Rinku Roy Chowdhury, Clark University; Birgit Schmook, ECOSUR-Chetumal; *Governing intensification: The influence of state institutions on smallholder farming strategies in Calakmul, Mexico*

2:10 Allison Thomson*, Field to Market; Erle Ellis, University of Maryland- Baltimore County; Ricardo Grau, Universidad Nacional de Tucumán; Tobias Kuemmerle, Humboldt-University Berlin; Patrick Meyfroidt, Université catholique de Louvain; Navin Ramankutty, University of British Columbia; Gete Zeleke, Water and Land Resources Center; *A land system science perspective on sustainable intensification*

2:30 Corrie Hannah*, PhD, University of Arizona; Tom Evans, PhD, University of Arizona; *Linking women's participation in irrigation governance to agroecosystem resilience in Laikipia, Kenya*

Friday-067-1:10 p.m. UAS Symposium IV: Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Adam Mathews, Western Michigan University; Anthony Cummings, University of Texas at Dallas

CHAIR: Jonathan Drake, AAAS

1:10 Gernot Paulus*, School of Geoinformation, Carinthia University of Applied Sciences; Thomas Winkler, Spatial Information Management, Carinthia University of Applied Sciences; Robert V. Rohli, Department of Oceanography & Coastal Sciences, Louisiana State University; *Unmanned Aerial Systems for capturing dynamic weather data in the atmospheric boundary layer*

1:30 Ahmad Massasati*, University of Pittsburgh at Johnstown; *Applied Drone/GIS Technology to Geography Student Class Projects*

FRIDAY April 5 • 1:10 PM - 2:50 PM

1:50 James Walker*, University of California - Los Angeles;
*Remote Sensing for International Human Rights
Advocacy: Critiques and Responses*

2:10 Jonathan Drake*, AAAS; *UAS-Based Photogrammetry for
the Documentation of Clandestine Graves*

2:30 Hui Li*, China University of Geosciences, Louisiana
State University Agricultural Center; Lin Chen, China
University of Geosciences; Zhaoyang Wang, China
University of Geosciences; Zhongdi Yu, Beijing North-
Star Digital Remote Sensing Technology Co., Ltd;
*Mapping of river terraces with low-cost UAS based
structure-from-motion photogrammetry in a complex
terrain setting*

**Friday-068-1:10 p.m. Mentoring the Next Generation of
Indigenous Geographers (Sponsored by Indigenous
Peoples Specialty Group, Graduate Student Affinity
Group, Careers and Professional Development)**

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jay Johnson, University of Kansas; Paulette Blanchard,
University of Kansas; Deondre Smiles, The Ohio State University
Department of Geography

CHAIR: Jay Johnson, University of Kansas

Introduction(s): Jay Johnson, Associate Professor, University
of Kansas

Panelist(s): Deondre Smiles, The Ohio State University
Department of Geography; Paulette Blanchard,
Graduate Student, University of Kansas; Miguel Sioui,
Jamie McEvoy, Assistant Professor, Montana State
University; Katie Big-Canoe, Western University

**Friday-069-1:10 p.m. Preparing Geographers for
Government & Nonprofit Careers (Sponsored by
Careers and Professional Development, Public/
Private Affinity Group)**

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Michael Solem, National Center for Research in Geography
Education

Panelist(s): Joshua Comenetz, Dr., U.S. Census Bureau;
Rafael Miguel González; Peter Chirico, Supervisory
Geographer, United States Geological Survey; Richard
Quodamine, Senior Lead GIS Analyst, City of
Philadelphia; Kelly Claborn, World Wildlife Fund; G.
Dobbs, NCSU/USDA Forest Service

Discussant(s): Alex Orenstein, Action Against Hunger

**Friday-070-1:10 p.m. Learning Geography at/from/with
HBCUs (Sponsored by Graduate Student Affinity
Group, Careers and Professional Development,
Black Geographies Specialty Group)**

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Douglas Allen, Florida State University

CHAIR: Douglas Allen, Florida State University

Panelist(s): Joseph Wood, Professor, University of Baltimore;
Jonathan Hall, Assistant Professor, West Virginia
University; Priscilla McCutcheon, Assistant Professor,
University of Kentucky

Discussant(s): David Padgett

**Friday-072-1:10 p.m. Mountain Futures 3 (Sponsored by
Mountain Geography Specialty Group, Spatial
Analysis and Modeling Specialty Group, Climate
Specialty Group)**

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Cara Steger, Colorado State University; Anne Nolin,
University of Nevada, Reno; Julia Klein, Colorado State University

CHAIR: Anne Nolin, University of Nevada, Reno

1:10 Corrine N. Knapp, Prof., Western Colorado University;
Robin S. Reid*, Prof., Colorado State University;
Julia Klein, Prof., Colorado State University; Maria E.
Fernandez-Gimenez, Prof., Colorado State University;
Kathleen Galvin, Prof., Colorado State University; *The
Long View of Sustainability Science: Scholars, Society,
and Action*

1:30 Julia Klein*, Colorado State University; Cara Steger,
Colorado State University; Robin Reid, Colorado
State University; Karim-Aly Kassam, Cornell
University; Sandra Lavorel, CNRS; *Exploring
Transdisciplinary Approaches to Sustainability Within
and Beyond the Mountains*

1:50 Cara Steger*, Colorado State University; Shana Hirsch,
University of Washington; Chris Cosgrove, Oregon
State University; Sarah Inman, University of
Washington; Eric Nost, University of Guelph; Xoco
Shinbrot, Colorado State University; Jessica Thorn,
University of York; Bettina Weibel, ETH Zurich;
Anne Nolin, University of Nevada; Catherine Tucker,
University of Florida; Dan Brown, University of
Washington; Adrienne Gret-Regamey, ETH Zurich;
Julia Klein, Colorado State University; *Representing
Complexity in Mountain Social-Ecological Models:
Linking Design and Application*

2:10 Erin Gleeson*, The Mountain Institute; Anais Zimmer,
The Mountain Institute; *Using traditional knowledge,
participatory approaches, and ecosystem-based
adaptation to drive innovation in mountains.*

2:30 Discussant(s): Julia Klein, Colorado State University

**Friday-073-1:10 p.m. Agriculture and Food Systems:
Interdisciplinary Perspectives I (Sponsored by
Geographies of Food and Agriculture Specialty
Group, Human Dimensions of Global Change
Specialty Group, Rural Geography Specialty Group)**

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Pinki Mondal, University of Delaware; Lindsay
Naylor, University of Delaware

CHAIR: Pinki Mondal, University of Delaware

1:10 Maia Call*, The National Socio-environmental Synthesis
Center; *Smallholder responses to climate anomalies in
rural Uganda*

1:30 Andrew Zimmer*, University of Arizona; Zack Guido,
University of Arizona; Tom Evans, University of
Arizona; *Weather forecasts, farmer perceptions and
adaptation to climate change in Sub-Saharan Africa*

1:50 Bryan Collins*, University of Denver; *Modelling Crop
Yield to Appraise Climate Change Adaptation
Strategies in Timor-Leste*

FRIDAY, April 5 • 1:10 PM - 2:50 PM

2:10 Tanya Torres*, University of Hawaii - Manoa; Kimberly Carlson, PhD, Principle Investigator; *Quantifying the Environmental Footprint of Doubling Hawai'i's Local Food Supply*

2:30 Mohamed Ibrahim*, Hunter College - CUNY; *The Rapidly Changing Political Economy of the Sudanese Pastoralists*

Friday-074-1:10 p.m. Immersive IV: Spatial Cognition in Virtual Environments - Opportunities through Immersive Technologies (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jiayan Zhao, Pennsylvania State University; Mahda M. Bagher, Pennsylvania State University; Harrison Cole, Pennsylvania State University

CHAIR: Jiayan Zhao, Pennsylvania State University

1:10 Marguerite Madden*, Center for Geospatial Research (CGR), Department of Geography, University of Georgia; Sergio Bernardes, Center for Geospatial Research (CGR), Department of Geography, University of Georgia; *Augmenting the classroom experience: Incorporating recent advances in remote sensing, virtual and augmented reality into teaching and learning in the geosciences and humanities*

1:30 Michael Giangrande*, Westat; J Michael Brick, Westat; David Morganstein, Westat; Katie Lewis, U.S. Energy Information Administration (EIA); *Using Geospatial Solutions to Improve Survey Listing Methodology*

1:50 Jiawei Huang, Pennsylvania State University; Mahda M. Bagher*, Graduate Student, Pennsylvania State University; Alexander Klippel, Pennsylvania State University; Jan Oliver WALLGRUN, Pennsylvania State University; JIAYAN ZHAO, Pennsylvania State University; HEATHER DOHN ROSS, Pennsylvania State University; NATHAN PIEKIELEK, Pennsylvania State University; *From Archive, to Access, to Experience - Historical Documents as a Basis for Immersive Experiences*

2:10 Mahbubur Meenar*, Rowan University; Jennifer Kitson, Rowan University; *4D Storytelling to Enhance Civic Engagement in a Participatory Planning Process*

2:30 Discussant(s): Danielle Oprean, Post-Doctoral Research Scholar, Pennsylvania State University

Friday-081-1:10 p.m. Megacities and Megacity-Regions in the 21st Century (Sponsored by Urban Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Andre Sorensen, University of Toronto; Danielle Labbe, University of Montreal

CHAIR: Danielle Labbe, University of Montreal

1:10 Andre Sorensen*, Dr., University of Toronto; *The Developmental State and the Production of Urban Space: Tokaido Megalopolis, Rapid Growth, and the End of Urbanization*

1:30 Evert Meijers*, Delft University of Technology; Rodrigo Cardoso, Delft University of Technology; *Polycentricity, performance and the process of metropolisation in mega-city regions*

1:50 Lake Sagaris*, Pontificia Universidad Catolica De Chile; *Nurturing neighbourhoods to sustain quality of life in megacities and large city regions An interdisciplinary reflection on planning for sustainable and socially just cities, from Santiago, Chile*

2:10 Yingcheng Li*, Massachusetts Institute of Technology; *The evolving polycentricity of Chinese cities and its impacts on economic productivity*

2:30 Haoying Han*, Zhejiang University; *Has the high-speed transportation system made Megacities larger in China?*

Friday-082-1:10 p.m. Protest, Social Equity, and Accessibility

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Naomi Jeffery Petersen, Central Washington University

1:10 Kristy Copeland*, University of Washington; *What Are the Possibilities and Limits of Radical Organizers' Unthinkable Political Claims to Just Futures in a Politically "Progressive" City?*

1:30 Yena Song*, Chonnam National University; Keumsook Lee, Sungshin Women's University; *Subway networks and their spatial equity in Seoul*

1:50 Mahtot Gebresselassie*, Virginia Tech; Thomas W Sanchez, Dr., Virginia Tech; *Planning Education in Accessible Transportation for Persons with Disabilities*

2:10 Naomi Jeffery Petersen*, Assistant Professor, Central Washington University; *The Geographical Perspective of Accessibility Issues: A New Curriculum for Well-Being*

Friday-083-1:10 p.m. Quantitative Approaches to Human Rights

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Fangxin YI, National University Of Singapore

1:10 Anne Vlsser*, University of California, Davis; Sheryl-Ann Simpson, Carleton University; *Understanding the Determinants of Immigration Policy Activity by Local Governments: Right to the City, Place-making, and the Politics of Immigration*

1:30 Liu Wen Liao*, Institute of Geographic Sciences and Natural Resources Research; *Effects of aging driven land use transitions on agricultural production in China's farming area: A perspective from changing labour employed in planting industry*

1:50 Joe Gordon*, Oregon Metro; *Using Local Schools Data to Disaggregate Grouped Languages in the American Community Survey*

2:10 JIN XIE*, Huazhong Agricultural University; *Analysis on Spatial Differences of Village Housing Property and Its Influencing Factors Based on Two-stage Nested Theil Decomposition Method: Evidence from 113 villages in Pudong New Area, Shanghai*

2:30 Fangxin YI*, National University Of Singapore; Yong Tu, National University of Singapore; *Post-disaster Recovery and Livelihood Change of Beichuan after Wenchuan Earthquake*

FRIDAY April 5 • 1:10 PM - 2:50 PM

Friday-084-1:10 p.m. Author Meet Critics: Postcolonialism by Tariq Jazeel

Room: Executive Room, Omni, West (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Noel Castree, University of Manchester

CHAIR: Audrey Kobayashi, Queen's University

Panelist(s): Majed Akhter, Lecturer, King's College London; Sharad Chari, University of California, Berkeley; Tariq Jazeel, Dr., University College London; James Sidaway, National University of Singapore

Discussant(s): Jennifer Robinson, Prof, University College London

Friday-086-1:10 p.m. Colonial Debts (Sponsored by Black Geographies Specialty Group, Legal Geography Specialty Group, Economic Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Joaquin Villanueva, Gustavus Adolphus College; Declan Cullen

CHAIR: Joaquin Villanueva, Gustavus Adolphus College

1:10 Drew Forbes*, University of Toronto; *Theorising Vulture Capitalism: financialization, the secondary bond market, sovereign debt investors, and uneven development*

1:30 Sonia Grant*, *Mineral Debts: Allotment and Extraction in Northwestern New Mexico*

1:50 Patrick DeDauw*, Graduate Center, CUNY; *Reserve Price: Shadow Pricing, Legal Struggles, and the Political Economy of Vancouver's Urban Indigenous Land Leases*

2:10 Ilona Moore*, Bucknell University; *Necroeconomics of food security -- austerity, deferral, biopolitics*

2:30 Karrieann Soto Vega*, Writing, Rhetoric, and Digital Studies; *"Gender, Colonialism and Austerity in Puerto Rico's Public Education System"*

Friday-087-1:10 p.m. Risk Communication and Resilience (Sponsored by Hazards, Risks, and Disasters Specialty Group, Media and Communication Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Bandana Kar, Oak Ridge National Laboratory; Xiaohui Liu, Dalhousie University; David Cochran, University of Southern Mississippi

CHAIR: David Cochran, University of Southern Mississippi

1:10 Sanam Aksha*, Virginia Tech; Lynn M. Resler, Virginia Tech; Luke Juran, Virginia Tech; Laurence W. Carstensen Jr., Virginia Tech; *Multi-hazard risk assessment in Dharan, Nepal using geospatial techniques*

1:30 David Rickless*, University of Georgia; Xiaobai Yao, University of Georgia; Brian Orland, University of Georgia; Meredith Welch-Devine, University of Georgia; *Assessing Social Vulnerability Through a Local Lens: An Integrated Geovisual Approach to Coastal Hazards*

1:50 David M Cochran*, PhD, University of Southern Mississippi; Bandana Kar, PhD, Oak Ridge National Laboratories; *What is the Best Emergency Warning*

Device? Perceptions of Households and Emergency Management Agencies on the Mississippi Gulf Coast

2:10 Li Wang*, King's College London; David Demeritt, King's College London; *Comparing food contamination and air pollution: how do social trust and different levels governments efficacy influence the public risk perceptions of the two risks differently in China?*

2:30 Jennifer Haney*, Bloomsburg University; Claire Havice, Bloomsburg University; *Factors Influencing Evacuation Behavior in the Kilauea Eruptions: An Examination of Residents in the Puna District, Hawai'i*

Friday-088-1:10 p.m. Devalued Populations: Diversity in Environmental Justice (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Deborah Metzel, University of Massachusetts - Boston

CHAIR: Deborah Metzel, University of Massachusetts - Boston

1:10 Joseph Minor*, Southern CT State University; *The Environmental Scandal of the Western Cape: Spatial Segregation and Inequality*

1:30 Xiaodan Ge*, Department of Urban and Rural Planning, Zhejiang University; Yonghua Li, Department of Urban and Rural Planning, Zhejiang University; Haiyan Pang, Department of Urban and Rural Planning, Zhejiang University; Qiwei Ma, Department of Urban and Rural Planning, Zhejiang University; *Environmental justice of public green space based on population difference: Implications from Hangzhou, China*

1:50 Sabrina Guvenc*, Ryerson University; Sara Edge, Ryerson University; Chris Gore, Ryerson University; *A Comparative and Critical Analysis of Integrated Community Sustainability Plans and Governance Models in Ontario*

2:10 Mary Finley-Brook*, University of Richmond; Lakshmi Fjord, University of Virginia; Stephen Metts, The New School; Amanda Waggoner, University of Richmond; *The Slow and Fast Violence of Compressor Stations Creates Sacrifice Zones*

2:30 Hannah Krauss*, St. Mary's College of Maryland; *Black Lives on the Forgotten River: Linking Water Pollution, Subsistence Fishing, and Wellbeing along the Anacostia*

Friday-089-1:10 p.m. 13. Population Specialty Group: Health and Fertility (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

1:10 Agyapong Fosu Amankwah*, Dr; *Autonomy of Women in Decision Making with special reference to Maternal Health Care Services in three Selected Districts in Eastern Region, Ghana*

1:30 Julia McQuoid*, PhD, University of California, San Francisco; Pamela Ling, MD, MPH, University of California, San Francisco; *The potential of a more playful public health: Examining a bar-based anti-tobacco intervention for young adults*

FRIDAY, April 5 • 1:10 PM - 2:50 PM

- 1:50** Lei Xu*, California State University - Fullerton; *A Preliminary Investigation of Fertility Preference of College Students*
- 2:10** Jirina Kocourkova*, Charles University Prague; *The impact of the economic crisis on fertility levels in EU member states*
- 2:30** Vaida Tretjakova*, Lithuanian Social Research Centre; Rūta Ubarevičienė, PhD, Lithuanian Social Research Centre; Gintarė Pociūtė-Sereikienė, PhD, Lithuanian Social Research Centre; Lina Šumskaitė, PhD, Lithuanian Social Research Centre; *Predictors of Spatial Differentiation of Adolescent Fertility: The Case of Lithuania*

Friday-090-1:10 p.m. Changing Constructions of Rurality and Rural-urban Relationships in a Post-productivist Era-III (Sponsored by Rural Geography Specialty Group, China Specialty Group, Urban Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Shenjing He, The University of Hong Kong; Darren Smith, Loughborough University

CHAIR: Martin Phillips, UNIVERSITY OF LEICESTER

- 1:10** Xuan Liu*, "Fragmentation vs assembly": property rights in the creative transformation of suburban villages in China
- 1:30** Hao Gu*, Hunan University; Tian Wang*, Hunan University; Haibo Tan, Hunan University; Darren Paul Smith, Loughborough University; *Rural Socio-spatial Differentiation and Land Consolidation in Guanshan Village of Changsha, China*
- 1:50** NINGNING CHEN*, *Trans-local ruralism: the formation of inter-regional clan associations in contemporary China*
- 2:10** Xin Li*, University of Massachusetts - Amherst; *Concentrated Resettlement Communities as a Policy Tool to Urbanization and Industrialization in Western Chinese Cities*
- 2:30** Discussant(s): Shenjing He, The University of Hong Kong

Friday-091-1:10 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Spatial-Social Networks in GIS II (Sponsored by Cartography Specialty Group, Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Congressional B, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Clio Andris; Yang Xu, Hong Kong Polytechnic University

CHAIR: Clio Andris

- 1:10** Yangjiaxin Wei*, University of Georgia; Jerry Shannon, University of Georgia; *Measuring Individual's Activity Space: A GIS and Social Network Centrality Approach*
- 1:30** Chun'guang Hou*, East China Normal University; Debin Du, Institute for Global Innovation and Development, East China Normal University; Qinchang Gui, Institute for Global Innovation and Development, East China Normal University, Shanghai 200062; *Spatiotemporal evolution and factors influencing international student mobility networks in the world*

- 1:50** Ze Zhang*, Tongji University; *Preliminary Calibration of Corporate-based Urban Networks: A Cautionary Tale from China*
- 2:10** Gui Jiang Chang*, Institute of Geographic Sciences and Natural Resources Research, CAS; *Social capital research based on social network analysis : Evidence from Yingshan County, Hubei Province*
- 2:30** Yujia Pan*, SUNY - Buffalo; Ling Bian, SUNY - Buffalo; *Do interdisciplinary collaborations lead to funding? — A study on proposal networks*

Friday-092-1:10 p.m. Evolving Geographies of Manufacturing in Advanced Economies I (Sponsored by Economic Geography Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Emil Evenhuis, Geography and Environmental Science; PETER SUNLEY, Southampton University; Andy Pike, Newcastle University

CHAIR: Andy Pike, Newcastle University

- 1:10** Introduction(s): Emil Evenhuis, Dr., Geography and Environmental Science
- 1:30** PETER SUNLEY*, Southampton University; Ron Martin, Professor, University of Cambridge; Emil Evenhuis, Dr, University of Southampton; Andy Pike, Professor, University of Newcastle; *Manufacturing renaissance in industrial regions? The changing geography of advanced manufacturing in Britain*
- 1:50** Anna Mateja Punstein*, Heidelberg University; Johannes Glückler, Heidelberg University; Christian Wuttke, Heidelberg University; *Growing Against Conventional Wisdom: Entrepreneurship and economic prosperity in Heilbronn-Franconia*
- 2:10** Martin Henning*, University of Gothenburg; Johan Jacobsson, University of Gothenburg; Elias Johannesson, University of Gothenburg; *Regional strategies to meet the ever increasing skill demand in manufacturing industries*
- 2:30** Asbjorn Karlsen*, Norwegian University of Science and Technology; Henrik Brynthe Lund, Norwegian University of Science and Technology; Markus Steen, Sintef; *The role of intermediaries in international sourcing and local dissemination of new technologies: a question of cluster absorptive capacity*

Friday-093-1:10 p.m. John Wesley Powell and his Legacy on American Geography and Future in the Arid West

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Thomas Minckley, University of Wyoming; Chen Xu, University of Wyoming

CHAIR: Thomas Minckley, University of Wyoming

- 1:10** Thomas Minckley*, Assoc. Professor, University of Wyoming; *John Wesley Powell and his legacy on American geography and future in the arid West*
- 1:30** Michael Pretes*, University of North Alabama; *Exploring, Painting, and Protecting: Frederick S. Dellenbaugh and the Colorado River*
- 1:50** William Gribb*, Professor, University Of Wyoming; Jason A. Robison, University of Wyoming; Thomas Minckley, University of Wyoming; *John Wesley Powell's Land and Water Policies for the Arid Region: Their Implications for Native Americans.*

FRIDAY April 5 • 1:10 PM - 2:50 PM

2:10 Matthew Toro*, ASU Library Map and Geospatial Hub;
*Mapping the Grand Canyon — Over 150 Years of
Cartographic Change*

2:30 Richard Marston*, Kansas State University; *John Wesley
Powell, Reservoir Storage, and Water Banking*

Friday-094-1:10 p.m. Towards a Political Ecology of Ambiances/Atmospheres I

Room: Regency Ballroom, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Damien Masson, Université de Cergy-Pontoise.
Laboratoire MRTE; Rachel THOMAS BOUCHON, CRESSON
UMR CNRS/MCC/ECN 1563

CHAIR: Damien Masson, Université de Cergy-Pontoise. Laboratoire MRTE

1:10 Damien Masson*, Université de Cergy-Pontoise.
Laboratoire MRTE; Rachel THOMAS BOUCHON*,
CRESSON UMR CNRS/MCC/ECN 1563; *Towards a
political ecology of ambiances/atmospheres*

1:30 Simon Runkel*, Heidelberg University; *"Welcome to
Rabiatistan": affective atmospheres in crisis simulations*

1:50 Juan Elvira*, IE University, Spain; *A biopolitical satire:
Hans Hollein's atmospheres at the XIV Triennale di
Milano (1968)*

2:10 Andrea Wheeler*, Iowa State University; *A Political And
Ecological Aesthetic of Architecture*

Friday-095-1:10 p.m. Social Infrastructures and the Public Life of Cities: Materialities, Institutions, and Practices (Session 3)

Room: Blue Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jack Layton, University College London; Alan Latham,
University College London

CHAIR: Alan Latham, University College London

1:10 Ute Lehrer*, Professor, York University; Katherine Perrott,
Dr., University of Toronto; *The role of public space
and amenities in sprawling regions*

1:26 Fabien Cante*, University of Birmingham; *Infrastructures of
encounter: Radio, place and peace in post-conflict Abidjan*

1:42 Jonghee Caldararo*, PhD Candidate, University of
Kentucky; *Commodification of public space: Buy a cup
of coffee, you can do whatever you want*

1:58 Casper Laing Ebbensgaard*, Queen Mary; *Vertical light
infrastructures: domestic lighting, the residential high-
rise and the formation of nocturnal publics*

2:14 Jihyun Kim*, University College London; *Social
narrations of material: An inscription-prescription
analysis of urban public space*

2:30 Piper Gaubatz*, University Of Massachusetts; *From
Pavement to Parks: Transformations of China's
Socialist Public Squares as Social Infrastructure*

Friday-097-1:10 p.m. Finance for Development 3

Room: Capital Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Adam Dixon, Maastricht University; Ilias Alami,
Maastricht University; Emma Mawdsley, University of Cambridge

CHAIR: Ilias Alami, Maastricht University

1:10 Silvia Grandi*, University of Bologna; *Frontiers of
finance for development in landscape of international
cooperation development policies: Beyond ODA?*

1:30 Adam Dixon*, Maastricht University; Ilias Alami,
Maastricht University; *Financializing the state for
development? Critiquing the scope and limits of
sovereign development funds*

1:50 Emma Mawdsley*, University of Cambridge; Luis Mah,
University of Lisbon; Elsje Fourie, University of
Maastricht; Yang Jiang, DIIS; Soyeun Kim, Sogang
University; *Geoeconomics and global development: the
role of Development Finance Institutions*

2:10 Dimitar Anguelov*, UCLA; *The geopolitical economy of
infrastructure financing: state-led and market-based
entanglements in Indonesia*

2:30 Discussant(s): Michael Samers, Associate Professor,
University Of Kentucky

Friday-098-1:10 p.m. Doing Latinx Geographies in the Borderlands: Luchas, Corazón y Compromiso (Sponsored by Latinx Geographies Specialty Group, Black Geographies Specialty Group)

Room: Embassy Room, Omni, East (Lightning Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Madelaine Cahuas, University of Toronto; Yolanda
Valencia, University of Washington; Margaret Ramirez,
Stanford University

CHAIR: Madelaine Cahuas, University of Toronto

1:10 Discussant(s): Kimberly Miranda

1:15 Discussant(s): Edgar Sandoval, Student, University of
Washington

1:20 Discussant(s): Melisa Arganaraz, University of
Maryland - Baltimore County

1:25 Discussant(s): Rafael Solórzano, UCLA Chicana/o
Studies Doctoral Student, UCLA

1:30 Discussant(s): Yolanda Valencia, University of
Washington

1:35 Discussant(s): Margaret Ramirez, Stanford University

1:40 Discussant(s): Lorena Muñoz, Assistant Professor,
University of Minnesota

Friday-099-1:10 p.m. Labour Regimes and Global Systems of Production and Reproduction I (Sponsored by Economic Geography Specialty Group)

Room: Hampton Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Adrian Smith, Queen Mary, University of London;
Liam Campling, Queen Mary University of London

CHAIR: Liam Campling, Queen Mary University of London

1:10 Tom Barratt*, Edith Cowan University; Susan McGrath-
Champ, The University of Sydney; Adrian Smith,
Queen Mary University of London; *Labour and global
production: the (mis)combination of workers and
theories of global production networks*

1:30 Elena Baglioni*, Queen Mary University of London;
*Disciplining women at the bottom of global value
chains. Labour control and resistance in households
and factories in Senegalese export horticulture.*

1:50 Tod Rutherford*, Syracuse University; *Consent, High
Performance Work Systems and Trade Unions in
Automotive Global Production Networks: The case of
UNIFOR in Southern Ontario, Canada*

2:10 Greta Steenvoorden*, *The missing piece: A bottom-up
perspective in social sustainability governance*

FRIDAY, April 5 • 1:10 PM - 2:50 PM

- 2:30** Ashok Kumar*, Birkbeck University of London; *Logics of Power in the Value Chain Monopsony, Share of Value, and Labor's Bargaining*

Friday-100-1:10 p.m. Intra- and Interregional Inequality, Divergence and Economic Development II (Sponsored by Economic Geography Specialty Group, Population Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Maximilian Buchholz, University of Toronto; Michael Storper, London School of Economics - London; Harald Bathelt, University of Toronto

CHAIR: Johannes Glückler, Heidelberg University

- 1:10** Thomas Kemeny*, Queen Mary University of London; Michael Storper, UCLA; *Growing apart and coming together: Long run inequality waves across US local labor markets*
- 1:30** Ferenc Gyuris*, ELTE; *Varieties of Transformation: Short- and Long-Term Stability and Instability in the Pattern of Regional Development Inequalities in (Former) Communist Countries*
- 1:50** John Cantwell*, Rutgers University - Newark, NJ; *How Knowledge Connectivity Affects Global Innovation Divergence Across Major Cities*
- 2:10** Riccardo Crescenzi*, London School of Economics; Roberto Ganau, London School of Economics; *On the heterogeneous link between outward FDI and local domestic employment in the USA.*
- 2:30** Max Buchholz*, University of Toronto; *Making Moves or Making it Work? Compositional Differences and Economic Outcomes of Inter and Intra-Regional Movers in High Cost Housing Markets*

Friday-101-1:10 p.m. Critical Theory from the South: Everyday Politics & Southern Feminism III

Room: Governor's Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Susmita Rishi, Kansas State University; Amy Piedalue, Australia India Institute

CHAIR: Amy Piedalue, Australia India Institute

- 1:10** Nihal Perera*, Ball State University; *Women as Agents of Change: Feminizing Space from the Bottom*
- 1:30** Rajyashree Reddy*, Assistant Professor, University of Toronto; *Southern Urban Theory for Northern Cities?*
- 1:50** Susmita Rishi*, Instructor, Kansas State University; Amy Danielle Piedalue, Ph.D., Australia India Institute, University of Melbourne; *What if the global South is not where we think it is? Unsettling colonial geographies of knowing.*
- 2:10** Shadia Hussein De Araújo*, University of Brasília; *"Critical theories from the South" in the context of neoliberalization: how to (auto-)evaluate research output and performances?*
- 2:30** Arthur Benjamin Adapon*, Dartmouth College; *Political Ecology and Care: Indigeneity and Development in the Coron Protected Area, Palawan, Philippines*

Friday-102-1:10 p.m. Movement in Indigenous and Settler Geographies 1

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Laura Barraclough, Yale University; Genevieve Carpio, UCLA

CHAIR: Laura Barraclough, Yale University

- 1:10** David Chang*, University of Minnesota; *Death and Space: Settler Colonial and Indigenous Geographies in 19th century Victoria, Vancouver Island*
- 1:30** Genevieve Carpio*, Assistant Professor, UCLA; *From Roofs to Routes: The Possessive Logics of California Mission Architecture in Australia, 1915-1945*
- 1:50** Laura Barraclough*, Associate Professor of American Studies, Yale University; *Encountering Native Presence and Power on the Juan Bautista de Anza National Historic Trail*
- 2:10** Julie Santella*, University of Minnesota - Minneapolis; *Movement, Containment, and Environmental Justice in the Black Hills*
- 2:30** Gonzalo Salazar*, Pontificia Universidad Catolica De Chile; *Mobility, intercultural diversity and governance in intermediate urban systems of Latin America*

Friday-103-1:10 p.m. Bridging Remote Regions of the Arctic and Beyond II (Sponsored by Eurasian Specialty Group, Polar Geography Specialty Group, Transportation Geography Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Vera Kuklina, Institute of Geography SB RAS; Jeremy Tasch, Towson University

CHAIR: Vera Kuklina, Institute of Geography SB RAS

- 1:10** Elizabeth Alexander*, Royal Holloway, University of London; *The oomiak and the ice breaker: Navigating the maritime border between the Diomed Islands*
- 1:30** Paul Richardson*; *Beyond the nation and into the state: identity, belonging, and the 'hyper-border'*
- 1:50** Jeremy Tasch*, Towson University; *Bridge, Gate, and Pivot: Russia's Pacific Gamble*
- 2:10** Discussant(s): Jeremy Tasch, Towson University
- 2:30** Vera Kuklina*, Institute of Geography SB RAS; Uliana Vinokurova, Arctic State Institute of Culture and Arts; *Educational institutions as a resource for urbanization of indigenous people: case of Yakutsk*

FRIDAY, April 5 • 3:00 PM - 7:00 PM**Friday-201-1:10 p.m. F3_3 Beer Geography: Tasting tour of DC's finest craft breweries**

Room: Field Trip Departure Location (Field Trip)

Time: 3:00 p.m. - 7:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

FRIDAY, April 5 • 3:05 PM - 4:45 PM**Friday-001-3:05 p.m. Path Creation and Regional Development 4: Agency, Innovation and Institutions (Sponsored by Economic Geography Specialty Group)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Danny Mackinnon, Newcastle University; Michaela Trippel, University of Vienna; Arne Isaksen

CHAIR: Markku Sotarauta, University of Tampere

3:05 Kirsten Martinus*, The University of Western Australia; *Low-tech industries and innovation in peripheries: community science as a regional development tool***3:25** Nora Bækkelund*, Western Norway University of Applied Sciences; *Heterogeneous change agency in rural tourism***3:45** Lisa Nieth*, University of Twente; Paul Bennenworth, University of Twente; *Regional innovation strategies as processes of knowledge combination: The case of the Creative Science Park in Aveiro***4:05** Lewis Evans*, Newcastle University, UK; *Creating new paths: the conversion and diversification of North Sea ports***Friday-002-3:05 p.m. Recalling Gilbert White (Sponsored by Hazards, Risks, and Disasters Specialty Group, Water Resources Specialty Group, Climate Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Rutherford H. Platt, University Of Massachusetts

CHAIR: Rutherford H. Platt, University Of Massachusetts

Panelist(s): Ian Burton, University of Toronto; Susan Cutter, Carolina Distinguished Professor, University of South Carolina; James Mitchell, Professor, Rutgers University; James Wescoat, Professor, MIT; Claire Rubin, Claire B. Rubin Associates; Martin Reuss, U.S. Army Corps of Engineers**Friday-003-3:05 p.m. Thrown-togetherness in Turbulent Times: Diversity, Migration and the City 4 - In/Exclusions**

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Anna Gawlewicz, University of Glasgow; Carlos Estrada-Grajales, QUT

CHAIR: Carlos Estrada-Grajales, QUT

3:05 Marcus Emmerich*, University of Tuebingen; Yannick Sudermann*, University of Tuebingen; *From the Camp to the Classroom – Forced Migration,**Local School Governance and the Avoidance of "Thrown-togetherness" in Germany***3:25** Friederike Enssle*, Humboldt Universität zu Berlin; Ilse Helbrecht*, Humboldt University Berlin; *Playing with difference. Strategic essentialism amongst elderly people***3:45** Vojislava Cordes*, John Jay College, CUNY; *Locations of Citizenship: Recognition Claims and Immigrant Inclusion in Global Cities***4:05** Shawn Bodden*, University of Edinburgh; *Budapest bit-by-bit: the everyday practices and politics of future-making***4:25 Discussant(s):** Fran Meissner, TU Delft**Friday-004-3:05 p.m. Redistricting, Geography and Democracy (Sponsored by Political Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Esri)**

Room: Maryland A, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): David DiBiase, Esri

CHAIR: David DiBiase, Esri

Introduction(s): David DiBiase, Education Sector Lead, Esri**Panelist(s):** Kenneth Martis, Professor Emeritus, West Virginia University; Ruth Buck, Metric Geometry and Gerrymandering Group; James Whitehorne, U.S. Bureau Of the Census; Diana Lavery, Esri; Daniel McGlone, Senior GIS Analyst, Azavea**Discussant(s):** Matthew Wilson, Associate Professor, University of Kentucky**Friday-005-3:05 p.m. Building the International Geospatial Health Research Network (IGHRN) Panel****Discussion: Future of IGHRN**

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Maryland B, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Douglas Richardson, American Association of Geographers

Panelist(s): Zan Dodson, American Association of Geographers; Yonette Thomas, American Association of Geographers; David Berrigan, U.S. National Institutes of Health - National Cancer Institute; Lisa Simpson, Academy Health; Jianya Gong; Angela Werner, CDC; Marco Helbich, Utrecht University**Discussant(s):** Mei-Po Kwan, Professor, University of Illinois at Urbana-Champaign

FRIDAY, April 5 • 3:05 PM - 4:45 PM

Friday-006-3:05 p.m. The Undergraduate Geography

Experience II: Students and Professors Share their Perspectives (Sponsored by Undergraduate Student Affinity Group, Geography Education Specialty Group, Community College Affinity Group)

Room: Maryland C, Marriott, Lobby Level (Lightning Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Candice Luebbing, American Association of Geographers; Erika Ornouski, CSU Sacramento

CHAIR: Candice Luebbing, American Association of Geographers

3:05 Carmen Brysch*, Auburn University; *The Undergraduate Geography Experience at Auburn University - Faculty Perspective*

3:12 Amelia Green*; *The Undergraduate Geography Experience at Mount Holyoke College- Student Perspective*

3:19 Kyung In Huh*, California State Polytechnic University; *The Undergraduate Geography Experience at Cal Poly Pomona - Faculty Perspective*

3:26 Discussant(s): Bailey Aasen, Augustana College

3:33 Grant Saff*, Hofstra University; *The Undergraduate Geography Experience at Hofstra University - Faculty Perspective*

3:40 Daniel Kern*, Ball State University; *The Undergraduate Experience at Ball State University – Student Perspective*

3:47 Discussant(s): Allison Young, Sinclair Community College

3:54 Claire Hilbrecht*, UNIVERSITY OF KENTUCKY; *The University of Kentucky Geography*

4:01 Ibipo Johnston-Anumonwo*, SUNY Cortland; Melinda Shimizu, SUNY Cortland; Christopher Badurek, SUNY Cortland; Wendy Miller, SUNY Cortland; Scott Anderson, SUNY Cortland; *The Undergraduate Geography Experience at SUNY Cortland - Faculty Perspective*

4:08 Discussant(s): Zia Salim, California State University - Fullerton

Friday-007-3:05 p.m. Scales of Sub-national Refugee

Regimes: a Transatlantic Comparison (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Birgit Glorius, TU Chemnitz

CHAIR: Birgit Glorius, TU Chemnitz

3:05 Lena Grip*, Karlstad University; *Production of National Space and the Every Day Practice of Local Integration Policy*

3:25 Seth Cavello*; *Removing the Rust: Adaptive Housing and Livelihood Strategies of Refugees in Buffalo, NY*

3:45 Chris Strunk*, Augustana College; *Refugee resettlement, integration, and narratives of urban revitalization in the Rust Belt*

4:05 Jeroen Doornik*, University of Amsterdam; *Learning from the US: governance of asylum seeking in federal Europe*

4:25 Discussant(s): Rene Kreichauf, Freie Universität Berlin

Friday-008-3:05 p.m. Working the Archives: Methodological Challenges of Doing Historical Research in Geography 2 (Sponsored by Qualitative Research Specialty Group, Historical Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Christian Siener, CUNY Graduate Center; Monica Varsanyi, CUNY - Graduate Center

CHAIR: Christian Siener, CUNY Graduate Center

3:05 Denisse Andrade*, The Graduate Center, CUNY; *Tracing and Placing Lives and Afterlives in the Archives*

3:20 Rakhee Kewada*, CUNY - Graduate Center; *The Postcolonial Archive and Method: field notes from the Tanzania National Archive*

3:35 Monica Varsanyi*, CUNY - Graduate Center; Doris Marie Provine, Arizona State University; *The challenges of establishing causality using qualitative, archival data: Towards a comparative – and geographical – historical analysis.*

3:50 Briony McDonagh*, University of Hull, UK; *Disobedient archives: writing critical historical geographies of protest and dissent*

4:05 Julian Barr*, Graduate Student and Undergraduate Advisor, University of Washington; *Success and Challenges of Queer Archives*

Friday-009-3:05 p.m. Speed-Dating with an NSF Program Officer 1 (Sponsored by Careers and Professional Development)

Room: Virginia C, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Antoinette WinklerPrins, National Science Foundation; Jacqueline Vadunec, Oklahoma State University

CHAIR: Antoinette WinklerPrins, National Science Foundation

Friday-010-3:05 p.m. The Environmental State in the Village

4: The Place of the State in Payment and Trade of Ecosystem Services (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Myung Ae Choi

CHAIR: Myung Ae Choi

3:05 Daniel Large*, Cornell University; Steven Wolf, Cornell University; *How the Endangered State Acts: Reverse regulatory threat and market-based conservation policy*

3:25 Lauren Withey*, University of California - Berkeley; *Picking Up Where Voluntary Markets Leave Off: Rural Reconfigurations of the State Around REDD+ in Colombia*

3:45 Kathleen McAfee*, San Francisco State University; *State versus market in California climate policy*

4:05 Abigail Bennett*, Michigan State University; Lisa Campbell, Duke University; *Certifying small-scale fisheries: Political economies of assessment and surveillance*

FRIDAY, April 5 • 3:05 PM - 4:45 PM**Friday-012-3:05 p.m. Migration Policies: Illegalization and Criminalization of Bodies, Solidarity and Practices of Resistance II (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Pierpaolo Mudu, University of Washington - Tacoma; Sutapa Chattopadhyay, UNU-Merit & Maastricht University

CHAIR: Salvatore Engel-Di Mauro, SUNY New Paltz

3:05 SUTAPA CHATTOPADHYAY*, University of Windsor; James Tyner*, Kent State University; *Narrating Migrant Lives in Waiting***3:25** Kevin Lee*, Massachusetts Institute of Technology; *#EndTransDetention: Translocal Ties and the Viability of Abolitionism***3:45** Amber Hickey*, University of California - Santa Cruz; *Biometrics from the Frontier to the Border Zone***4:05 Discussant(s):** James Tyner, Kent State University**Friday-016-3:05 p.m. Changing Food Systems**

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Petra Luetke, University of Muenster, Germany

CHAIR: Petra Luetke, University of Muenster, Germany

3:05 Elizabeth Holcomb*, University of California, Merced; Catherine Keske, University of California, Merced; *Fast Food vs Local Eateries - Food Sovereignty in your own Sense of Place***3:25** Christina Frendo*, Queen's University; *Urban Agriculture in Montréal, Québec: An Agent of Gentrification?***3:45** Karine Saboui*, Université De Montreal; *Is it gluten-free, vegan?: The place of food in the embodiments of altered healthfulness***4:05** Estefania Martinez Esguerra*, Université de Montréal; *Reassessing the place of food in the 'urban social metabolism'***4:25** E. Melanie DuPuis*, Pace University; *We Don't Know Where We Are Going But We Know How to Get There***Friday-017-3:05 p.m. The Long Wars I: Mapping Liberal Empire through the War on Drugs and the War on Terror (Sponsored by Black Geographies Specialty Group, Urban Geography Specialty Group)**

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Brittany Meché, University of California - Berkeley; Emma Crane, New York University

CHAIR: Emma Crane, New York University

3:05 Brittany Meché*, University of California - Berkeley; *Reviving the Drug War in the West African Sahel: Transnational Drug Pedagogy and Security Sector Reform***3:20** Jackson Smith*, New York University; *From Rizzo's Philadelphia to the Drug War: Police Raids, Deviant Property, and Racial Segregation***3:40 Discussant(s):** Jordan Camp, Barnard College**4:00 Introduction(s):** Emma Crane, New York University**4:05** Francis Masse*, University of Sheffield; *Mapping new configurations and geographies of military, security and policing power with the "war" on poaching***4:25** Kali Rubaii*, PhD, Rice University; *Theorizing the Funnel***Friday-018-3:05 p.m. Urban Climates: Power, Development and Environment in South Asia (Sponsored by Socialist and Critical Geography Specialty Group, Asian Geography Specialty Group)**

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Aparna Parikh, Dartmouth College; Nida Rehman, University of Cambridge

CHAIR: Nida Rehman, University of Cambridge

3:05 Nipesh Palat Narayanan*, Department of Sociology, University of Colombo; *Being World Class: Development and the Knowledge Hegemony***3:25** Shruti Syal*, University of Illinois - Urbana Champaign; *Formal & quasi-formal infrastructure provision in 'slums': a socio-ecological systems perspective***3:45** Anthony Powis*, 'Fluvial City'—*The materiality of groundwater in the Chennai rainwater harvesting programme***4:05** Farhana Ahmad*, Cornell University; *Tale of Two Cities and their water***4:25 Discussant(s):** Nausheen Anwar, Dr, Social Sciences, IBA**Friday-019-3:05 p.m. An Exploratory Analysis of the Settlement System of Ancient Israel, c. 1850 B.C.E. to 70 C.E.: Jerusalem, Regional Cities, Small Towns, and Rural Places (Sponsored by Bible Geography Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): William Dando, Indiana State University

CHAIR: Victoria Alapo, Metropolitan Community College

3:05 William Dando*, Director, Indiana State University; *Parables, Food, Agriculture, and Feeding the Cities in Roman Palestine***3:25** Dorothy Drummond*, Indiana State University; *Scythopolis, Decapolis City in Lower Galilee***3:45** Nicole DePue*, Jerusalem University College; *Damascus, Bashan, and Hazor: Northern Gateways of Israel***4:05** Gordon Franz*, *The Location of Solomon and Herod's Temple in Jerusalem and Its Possible Effect on U.S. Foreign Policy***4:25** Victoria Alapo*, Metropolitan Community College; *The Influence of Judaism on the Socio-Cultural Life of the Old Kingdom of Ethiopia***Friday-020-3:05 p.m. Revisiting the Role of Place in the Knowledge Economy II**

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Filipa Pajevic, McGill University

CHAIR: David Bissell, University of Melbourne

3:05 Simonetta Armondi*, Politecnico di Milano; *Urban policy and planning after the metamorphosis of workplaces***3:25** Carla Maria Kayanan*, University of Michigan; *Innovation Districts, Entrepreneurial Living, and the Economization of Life***3:45** Katarzyna Wojnar*, Uniwersytet Warszawski; *From collective to corporate: dynamics of changing location factors and patterns of co-working spaces. The case of Warsaw, Poland.***4:05** Filipa Pajevic*, PhD in Urban Planning, Policy and Design, McGill University; Richard G Shearmur,

FRIDAY, April 5 • 3:05 PM - 4:45 PM

McGill University; *The Spatial Underpinnings of Knowledge Workers*

- 4:25** Andreas Kuebart*, Leibniz Institute for Research on Society and Space; *Anchoring ecosystems – open creative labs as focal places for entrepreneurial processes*

Friday-021-3:05 p.m. CJRS 9. Macro Scale and the City

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): John Miron, University of Toronto

CHAIR: Christopher Higgins, Hong Kong Polytechnic University

- 3:05** Andrea Connor*, Western Sydney University; Donald McNeill, Professor of Urban and Cultural Geography, Institute for Culture and Society, Western Sydney University; *Volume, Density and the People Movement Industry - Calculating Volumetric Space*
- 3:25** Max Lu*, Kansas State University; *Does China's City Size Distribution Follow Zipf's Law?*
- 3:45** Christopher Higgins*, Hong Kong Polytechnic University; *A 4D spatio-temporal approach to modelling land value uplift from rapid transit in high density and topographically-rich cities*

Friday-022-3:05 p.m. China's Belt and Road Initiatives and Its Regional Impacts (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, China Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: Michael Glass, University of Pittsburgh

- 3:05** Curt Nestor*, University of Gothenburg; *China-EU trade along the Eurasian Silk Railway*
- 3:25** Peiran Chen*, Institute of Geographic Sciences and Natural Resources Research, CAS; Chengjin Wang, Institute of Geographic Sciences and Natural Resources Research, CAS; *Spatial organization network of Chinese Eurasian international freight trains*
- 3:45** Zuo Lin Yao*, *Global and regional trends in industrial transfer: the construction of the South China Sea Economic Circle*
- 4:05** HUI LIU*, IGSNRR; *The "Belt and Road" Initiative and its impacts on China's border regions' development*
- 4:25** Yi Liang*, IGSNRR, CAS; *The spatial evolution of geoeconomics between China and neighboring countries since the reform and opening-up*

Friday-023-3:05 p.m. "Outward-looking" Geographies of Education 10 Years Later: Progress, Innovations, and Challenges (Sponsored by Critical Geographies of Education Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Christopher Lizotte, University of Helsinki; Olivia Ildefonso, CUNY - Graduate Center

CHAIR: Christopher Lizotte, University of Helsinki

Discussant(s): Nicole Nguyen, University of Illinois - Chicago

Panelist(s): Ekaterina Bezbordko; Caroline Loomis, CUNY - Graduate Center; Dan Cohen

Introduction(s): Christopher Lizotte, University of Helsinki; Olivia Ildefonso, CUNY - Graduate Center

Friday-024-3:05 p.m. Graduate Voices in the Landscape II: Legal Geographies of Resources & the Environment (Sponsored by Legal Geography Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Brittany Wheeler, Clark University; Alida Cantor, Portland State University

CHAIR: Jeremy Slack, UTEP

- 3:05** Nicholas Schuelke*, University of Wisconsin - Milwaukee; *Horizontal drilling, property, and access: securing subterranean territories of oil and gas extraction*
- 3:25** Joshua Lohnes*, West Virginia University; *Regulating Surplus: Charity and the Legal Geographies of Food Waste Enclosure*
- 3:45** Jared Whear*, Syracuse University; *Tribal Water Rights, Settler Colonialism, and White Property Regimes in Water Adjudication: Two Ongoing Cases in the Pacific Northwest*
- 4:05** Jacquelyn Johnston*, Florida International University; *Incongruous Killing: Humane politics and legal loopholes governing life and death-making policies of cats in contested urban spaces*
- 4:25** Nicole Lambrou*, University of California - Los Angeles; *Making and Unmaking the Environment in Environmental Law*

Friday-025-3:05 p.m. Education, Privatization, and Segregation

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Nora Nafaa, University of Perpignan

CHAIR: David Giband, UPVD

- 3:05** David Giband*, UPVD; *The french educational system: an unexpected resistance to global neoliberalization in education?*
- 3:25** Nora Nafaa*, University of Perpignan; *Privatizing the school map: a look at charter schools catchment areas in Philadelphia and Atlanta education markets*
- 3:45** Kevin MARY*, University of Perpignan; *"Privatization of higher education in Lebanon: state of the art and research perspectives"*
- 4:05** Holger Jahnke*, Europa-Universität Flensburg; Magdalena Jäger, Europa-Universität Flensburg; Katja Holz, Europa-Universität Flensburg; *Transformation of schooling in rural areas – Educational provision for new migrants in the German-Danish border region*
- 4:25 Discussant(s):** Aurelie Delage, University of Perpignan

Friday-026-3:05 p.m. Urgent Issues in Ethnic Geography II (Sponsored by Ethnic Geography Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Yining Tan; John Ponstingel, Texas State University

CHAIR: John Ponstingel, Texas State University

- 3:05** Carlos Becerra*, UC Davis Geography Graduate Group; *"We Wanted Employers, but We Got People Instead" Racialization of Ethnicity in the US Labor Market*
- 3:25** Hanieh Haji Molana*, Kent State University; *Acculturation and Psychological Health among Iranian female immigrants in the United States*
- 3:45** Heather Benson*, University of Nevada; *Sikh Socio-spatialities of the American West*
- 4:05 Discussant(s):** John Frazier, Professor, Binghamton University

FRIDAY April 5 • 3:05 PM - 4:45 PM**Friday-027-3:05 p.m. Eastern Africa: Geographic****Approaches to Human and Human-Environment Relationships (II) (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jessica Marter-Kenyon, University of Georgia; Justin Mullikin, Rutgers University

CHAIR: Jessica Marter-Kenyon, University of Georgia

3:05 Morgan Ruelle*, Clark University; *Of Roads and Rain: Legume Diversity and Climate Adaptation in Northern Ethiopia***3:25** Madlen Hornung*, University of Bayreuth; *Urban Spaces and Social Practices in the Context of Economic Growth and Political Transitions in Addis Ababa: Living with Sheep and Goats in a City under Construction.***3:45** Tatek Abebe*, Norwegian University of Science and Technology; *Educated Unemployment and Youth Precarity in Post-Socialist Ethiopia***4:05** Justin Mullikin*, Rutgers University; *An Assemblages Approach to Landscape Change in Rwanda***4:25** Stuart Sweeney*, University Of California Santa Barbara; Jessica Marter-Kenyon, Ph.D., University of Georgia; *Representative sampling off the rural road: Lessons from a sampling design and survey implementation in Rwanda***Friday-028-3:05 p.m. Innovation and Entrepreneurship in Remote Rural Areas (Sponsored by Rural Geography Specialty Group)**

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Tobias Federwisch

CHAIR: Tobias Federwisch

3:05 Caroline Staub*, University of Florida; Anne Gilot, University of Florida; Molene Pierre, University of Florida; Edzer Milord, University of Florida; Gerald Murray, University of Florida; *A climate for innovation: Changing livelihoods in Haitian rural, mountain regions***3:25** ANTONIO LUNA-GARCIA*, UNIVERSITAT POMPEU FABRA BARCELONA; *Creative geographies and innovation strategies in non urban areas in Catalonia (Spain). Beyond the Urban / Rural Divide.***3:45** Charlotte Pusch*; *Getting a picture! Spatial information innovating the planning process in remote rural areas***4:05** Tobias Federwisch*, Leibniz Institute for Research on Society and Space; Anika Noack, Brandenburg University of Technology; *Social innovation in structurally disadvantaged rural regions. The role of urban factors and cross-border constellations of actors***4:25 Discussant(s):** Tobias Federwisch**Friday-031-3:05 p.m. Political Ecologies of Health/Disease in Agrarian Settings II (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Development Geographies Specialty Group)**

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Sara Cavallo, Penn State University; Kevon Rhiney, Rutgers University

CHAIR: Sara Cavallo, Penn State University

3:05 Eleanor Andrews*, Cornell Development Sociology; *"Mutts" and "magic bees": Breeding healthier honey bees as a socio-ecological fix?***3:25** Kevon Rhiney*, Rutgers University; *Cultivating Crisis: Coffee leaf rust and the (co)production of vulnerability in the Jamaican Blue Mountains***3:45** Eden Kinkaid*, University of Arizona; *Embodied political ecologies: Sensing agrarian change in north India***4:05** Karl Zimmerer*, Pennsylvania State University; *The Political Ecology of Biodiversity and Nutrition in Relation to Disease and Health: Integrating Critical Social and Environmental Sciences***4:25 Discussant(s):** Heidi Hausermann, Assistant Professor, Colorado State University**Friday-033-3:05 p.m. Symposium on Frontiers in Geospatial Data Science: Geospatial Artificial Intelligence: Machine Learning and Deep Learning (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)**

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Jin Xing, Newcastle University; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Jin Xing, Newcastle University

3:05 Jin Xing*, Dr., Newcastle University; Philip James, Newcastle University; Stuart Barr, Newcastle University; *Employing Deep Learning for Real-Time Sewage Level Prediction within Smart Cities***3:25** Preeti Rao*, SEAS, University of Michigan; Meha Jain, SEAS, University of Michigan; *Machine learning algorithms for identifying crop types in smallholder farms***3:45** Wonho Jo*, Seoul National University; *Deep Learning Based Spatio-temporal Prediction Using LSTM Networks***4:05** Cheng-Zhi Qin*, Institute of Geographic Sciences & Natural Resources Research, CAS; Yan-Wen WANG, State Key Lab of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, CAS; Wei-Ming Cheng, State Key Lab of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, CAS; A-Xing Zhu, University of Wisconsin-Madison; *Automatic crater detection based on random forest, existing crater map, and spatial structural information from DEM***4:25** Guofeng Cao*, Dr., Texas Tech University; *A Deep Learning-Based Geostatistical Framework for Geospatial Data Analysis and Modeling*

FRIDAY, April 5 • 3:05 PM - 4:45 PM

Friday-033.5-3:05 p.m. H. Jesse Walker Student Guided Poster Merit Award (Sponsored by Coastal and Marine Specialty Group)

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jean Ellis, University of South Carolina

CHAIR: Jean Ellis, University of South Carolina

3:05 Introduction(s): Jean Ellis, University of South Carolina

3:15 Molly Elizabeth Smith*, Florida Atlantic University; Caiyun Zhang, Associate Professor, Florida Atlantic University; Anton Oleinik, Associate Professor, Florida Atlantic University; *Characterizing coastal sand composition using image-based machine learning techniques*

3:25 Jessica Magolan*, University of North Carolina - Wilmington; Joanne Halls, University of North Carolina - Wilmington; *Investigating the transition from freshwater to saltwater wetlands in southeastern North Carolina using GIS, remote sensing, and state-and-transition simulation software*

3:35 Narcisa Pricope, University of North Carolina - Wilmington; Joseph Baxley*, University of North Carolina - Wilmington; *Modelling Phragmites australis rates of invasion using fused UAS and satellite data*

Friday-034-3:05 p.m. Place Geographies in Spaces of Disaster and Tragedy 2 (Sponsored by Cultural Geography Specialty Group, Study of the American South Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Rex Rowley, Illinois State University; Matthew Cook, Eastern Michigan University; Ronald Schumann, University of North Texas

CHAIR: Rex Rowley, Illinois State University

3:05 Chad Emmett*, Brigham Young University; Sarah Hall, Utah Valley University; *Tsunami Awareness and Mitigation Efforts in the Tourist Environments of Bali and Lombok*

3:25 Ronald L. Schumann*, PhD, University of North Texas; *Negotiative Commemoration: The Mechanics of Memory Work in Disaster Recovery*

3:45 Jesse Gilley*, Lincoln Memorial University; *Place, Rhythm, and Tragedy in Homer Hickam's 'Coalwood' Trilogy*

4:05 Summer Gray*, University of California; Erica Akemi Goto, University of California, Santa Barbara; *Mud That Smelled of Sadness: Dredging Through Post-Disaster Memories of the 2018 Montecito Debris Flow*

4:25 Discussant(s): Rex Rowley, Associate Professor, Illinois State University

Friday-035-3:05 p.m. Affective Geographies of Politics II (Sponsored by Geographic Perspectives on Women Specialty Group, Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Banu Gokariksel, University of North Carolina, Chapel Hill; DEVRAN OCAL, University of North Carolina - Chapel Hill; Michelle Padley, University of North Carolina - Chapel Hill

CHAIR: Anna Secor, University of Kentucky

3:05 Malene Jacobsen*, University of Kentucky; *Affective Politics of Refuge: Syrian forced migrants' narratives of state violence and war in Denmark*

3:25 Jessie Clark*, University of Nevada; Saadet Altay, Dr., Ağrı University; *The role of emotions in the religious mediation of socio-political worlds for Kurdish women in Turkey*

3:45 Janina Dobruskin*, Humboldt-Universität zu Berlin; Ilse Helbrecht, Humboldt-Universität zu Berlin; *The emotional significance of space: geographical imaginations of globalization in rural eastern Germany*

4:05 Linamar Campos-Flores*, Patricia Martin, Université de Montréal; *Geopolitics of Emotion: masculinities and subjectivity in the Canadian Seasonal Agricultural Workers Program*

4:25 Angus Lyall*, University of North Carolina at Chapel Hill; *Affective Geographies of Oil Politics: Deception and Rage in Northern Ecuador*

Friday-036-3:05 p.m. Socialist Geography and Geographers. Past Accomplishments, Future Challenges. Where Do We Go from Here? (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): John Heppen, University of Wisconsin, River Falls

CHAIR:

Introduction(s): Rina Ghose, Dr., Department of Geography

Panelist(s): Matt Huber, Associate Professor, Syracuse University; Eric Sheppard, Humboldt Professor, UCLA; John Heppen, Professor, University of Wisconsin, River Falls; Eliot Tretter, University of Calgary

Discussant(s): Audrey Kobayashi, Professor, Queen's University; Richard Walker, Professor Emeritus, University of California-Berkeley

Friday-037-3:05 p.m. Bagels and Bytes 1: Geographies of Food in our Precarious Present (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Political Geography Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Benjamin Schrager, University of Hawaii at Manoa; Christine Barnes, King's College London

CHAIR: Christine Barnes, King's College London

3:05 Lucy Jackman*, *The Taste of Austerity: Food Aid in East Bristol*

3:25 Lauren J Blake*, Royal Veterinary College / Leverhulme Centre for Integrative Research on Agriculture and Health (LCIRAH) / Sheffield University; *The relationship between food, politics and identity among food activists*

3:45 Blaire O'Neal*, San Diego State University; *Nature, technology, and the search for food justice: the political economies and ecologies of contemporary urban agriculture*

FRIDAY April 5 • 3:05 PM - 4:45 PM

4:05 Benjamin Schrager*, University of Hawaii at Manoa; *On eating raw chicken: Competing ontologies of risky gastronomy*

4:25 Jean Lavigne*, College of St. Benedict/St. John's University; *The Foie Gras Controversy: An Inside Look at Artisan Production in Rural France*

Friday-038-3:05 p.m. 2019 Urban Geography Plenary Lecture (Sponsored by Urban Geography Specialty Group, Routledge, Taylor & Francis Group)

Room: Washington 3, Marriott, Exhibition Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): David Wilson, University Of Illinois; Katherine Hankins, Georgia State University

CHAIR: Katherine Hankins, Georgia State University

Introduction(s): David Wilson, University Of Illinois

Discussant(s): Deborah Cowen, University of Toronto

Panelist(s): Malini Ranganathan, Assistant Professor, American University; Kate Derickson, University of Minnesota

Friday-039-3:05 p.m. Alternatives to Private Landownership

1: Global South Perspectives

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Anne Haila, University of Helsinki

CHAIR: Mika Hyotylainen, University of Helsinki

3:05 Haoxuan Sa*, University of Helsinki; *What made villagers in Xiaojia giving up farming and became developers*

3:25 Yu Zhang*, School of Urban Planning and Design, Peking University; De Tong, School of Urban Planning and Design, Peking University; Ian MacLachlan, School of Urban Planning and Design, Peking University; *From Land Value Capture to Value Sharing: evidence from the new town construction in China*

3:45 Franklin Obeng-Odoom*, *Further Thoughts on Valuing unregistered urban land in Indonesia*

4:05 Tauran Tauran*, University of Helsinki; *Kampung residents left without the registration of their land: Land registration in Surabaya*

4:25 Discussant(s): Mi Shih, Rutgers University

Friday-040-3:05 p.m. W3_1 ArcGIS Maps for Adobe Creative Cloud (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Friday-041-3:05 p.m. GeoAI and Deep Learning Symposium: Machine Learning and Deep Learning for Trajectory Data Analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cyberinfrastructure Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Song Gao, University of Wisconsin; Sean Ahearn, Hunter College - City University; Chaogui Kang, Wuhan University

CHAIR: Song Gao, University of Wisconsin

3:05 Sean Ahearn*, Hunter College – City University; *The Trajectory as an Intelligent Agent*

3:25 Somayeh Dodge*, University of Minnesota; Jasper Johnson, University of Minnesota; Sean Ahearn, CUNY - Hunter College; *Mining interaction patterns in coarse trajectory data sets*

3:45 Fan Zhang*, Massachusetts Institute of Technology; Di Zhu, Peking University; Yu Liu, Peking University; *Social sensing from street-level imagery: a case study in learning urban mobility patterns*

4:05 Peter Lenz*, Dstillery; *To measure macro, first think micro: petabyte scale behavioral modeling at Dstillery*

4:20 Song Gao*, Geospatial Data Science Lab, Department of Geography, University of Wisconsin, Madison; Mingxiao Li, State Key Lab of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Timothy Prestby, Geospatial Data Science Lab, Department of Geography, University of Wisconsin, Madison; Constantin Stanca, Hortonworks Inc.; *Automatic Road Centerline Extraction from Remote Sensing Images Using Deep Neural Networks*

4:35 Discussant(s): Chaogui Kang, Wuhan University

FRIDAY, April 5 • 3:05 PM - 4:45 PM • Poster Sessions

Friday-043.1-3:05 p.m. All Biogeography and

Paleoenvironmental Change Considered (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Stockton Maxwell, Radford University

001 Poster(s) Stockton Maxwell*, Associate Professor, Radford University; Grant Harley, University of Idaho; Sanjay Bhandari, Indiana State University; Sunshine Brosi, Frostburg State University; Olivia Hinton, California State University - Fullerton; Christine Lucas, University of the Republic - Uruguay; Lara Van Akker, Canadian Forest Service; *Hydroclimate Reconstructions of the Greater Yellowstone Ecosystem*

002 Poster(s) Zachary Merrill*, Michigan Technological University School of Forest Resources and Environmental Science; Maegen Rochner, University of Tennessee; Matt Bekker, Dr., Brigham Young University; Justin DeRose, Dr., USFS; *Dendroclimatological Reconstruction of Standardized Precipitation Evapotranspiration Index utilizing Limber Pine (*Pinus flexilis*) from the Greater Yellowstone Ecosystem (1710-2006)*

003 Poster(s) April Kaiser*, Appalachian State; Peter Soulé, Appalachian State University; Saskia van de Gevel, Appalachian State University; Paul Knapp, University of North Carolina-Greensboro; Arvind Bhuta, USDA Forest Service; Jeffrey Walters, Virginia Polytechnic Institute and State University; Evan Montpellier, Appalachian State University; *A dendroecological investigation of red-cockaded woodpecker (*Leuconotopicus borealis*) and longleaf pine (*Pinus palustris*) cavity trees*

004 Poster(s) Meghan Albritton*, Zachary Taylor, PhD, Berry College; Mitzy Schaney, PhD, University of Pittsburgh Johnstown; *A 20,000 year record of effective moisture and fire from Canaan Valley, West Virginia*

005 Poster(s) Brittany Rinaldi*, Radford University; Thomas Callahan*, Radford University; Stockton Maxwell, Radford University; Rebecca Brice, University of Arizona; Karen Heeter, University of Idaho; *Comparing Climate and Ecological Factors to Identify Growth Releases in Shoshone National Forest, Wyoming*

006 Poster(s) Jared Crain*, Berry College; Zachary P. Taylor, Berry College; *Prehistoric fire dynamics in the sagebrush habitat of the endangered Gunnison Sage Grouse*

007 Poster(s) Asha H. Paudel, Florida Atlantic University; Scott H. Markwith*, Florida Atlantic University; Michelle Coppoletta, US Forest Service; Kyle Merriam, US Forest Service; Brandon Collins, US Forest Service; *Vegetation and fuel dynamics at different spatio-temporal scales in frequently burned mixed conifer forests, northern Sierra Nevada Range, California*

008 Poster(s) Zachary Taylor*, Berry College; Chad Lane, University of North Carolina-Wilmington; Sally P Horn, University of Tennessee; *A spatially-explicit record of prehistoric maize agriculture from compound-specific carbon isotope analysis*

009 Poster(s) Todd Fagin*, Conservation Information Specialist, University of Oklahoma; *Application of State Natural Heritage Program Databases for Biodiversity Planning and Research: Examples from the Oklahoma Natural Heritage Inventory*

010 Poster(s) Dawna Cerney*, Associate Professor, Youngstown State University; *Establishing an Initial Revegetation Trajectory from the Kneow to Aid Predicting Future Intermountain Ecosystem Response*

011 Poster(s) Matthew Bekker*, Brigham Young University; Elizabeth Hora, Utah Division of State History; Christopher Merritt, Utah Division of State History; *150 Years of the Golden Spike: Tree-Ring Analysis of the Transcontinental Railroad in Utah's West Desert*

012 Poster(s) Samuel Wyatt*, Brigham Young University; Matthew Bekker, PhD, Brigham Young University; Shayla Otake, Brigham Young University; William Ault, Brigham Young University; *Dendroarchaeology in Fillmore, Utah*

013 Poster(s) Taly Drezner*, Associate Professor, York University; Zvi Drezner, PhD, California State University, Fullerton; N Balakrishnan, McMaster University; *Introducing a New Field Technique: Finding Life Cycle Transition Ages (e.g., Juvenile-Adult)*

014 Poster(s) Joy Mast*, Carthage College; Carol L Chambers, Ph.D., Northern Arizona University; *Differing effects of mortality agent on snags persistence in southwestern ponderosa pine forest*

015 Poster(s) Amanda M. Hefner*, University of Minnesota; Scott St. George, University of Minnesota; *The relative magnitude of extreme Holocene paleofloods in the United States*

016 Poster(s) Travis Bradshaw*, Liberty University; *Gypsy Moth Tree Mortality Impacts in Southwestern Virginia*

017 Poster(s) Steven Falconer, Dr., UNC Charlotte - Academic Advisor; Steven Porson*, University of North Carolina - Charlotte; Patricia Fall, Dr., UNC Charlotte - Academic Advisor; *Paleoenvironmental Change and Urban Abandonment in the Early and Middle Bronze Age Levant*

018 Poster(s) Teng Keng Vang*, Miami University; Bartosz P Grudzinski, PhD, Miami University; *Site characteristics of beaver dams in southwest Ohio*

019 Poster(s) Elizabeth Schneider*, University of Minnesota; Kurt Kipfmüller, University of Minnesota; *Spatial Synchrony of Fire Occurrence in the Upper Great Lakes Region of Minnesota*

020 Poster(s) Tia L Federman*, University of Wisconsin - Platteville; Sophie A Pitney, University of Wisconsin-La Crosse; Elissa R Granger, University of Wisconsin-Platteville; Christopher A Underwood, Ph.D, University of Wisconsin-Platteville; Evan R Larson, Ph.D, University of Wisconsin-Platteville; *Temperature-sensitive redcedar chronologies from the Driftless Area enable a new suite of climate reconstructions for the Great Lakes region*

021 Poster(s) Selina Akhter Lira*, University of Calgary; David Goldblum, Associate professor, University of Calgary; *Treeline shifting in response to climate change in Rocky Mountains, Alberta*

022 Poster(s) Eric Thai*, CSU Dominguez Hills; Parveen Chhetri, CSU Dominguez Hills; *Shrub expansion in the Makalu Barun National Park Nepal Himalaya*

FRIDAY April 5 • 3:05 PM - 4:45 PM • Poster Sessions

- 023 Poster(s)** Nichole Romanoff*, CSU Dominguez Hills; Parveen Chhetri, CSU Dominguez Hills; *How topography influences shrub cover distribution in the Nepal Himalaya?*
- 024 Poster(s)** James Doerner*, Professor, Univ of Northern Colorado; Robert Brunswig, University of Northern Colorado; *Lawn Lake, a High Montane Hunting Camp in the Colorado (USA) Rocky Mountains: Insights into Early Holocene Late Paleoindian Hunter-Gatherer Adaptations and Paleo-landscapes*
- 025 Poster(s)** Anabela Bonada*, University of Guelph; Mariano Amoroso, National University of Rio Negro; Leonardo Gallo, National Agricultural Technology Institute; Ze'ev Gedalof, University of Guelph; *How does precipitation affect radial growth of *Nothofagus nervosa* and *Nothofagus obliqua* of the Patagonian Andes forest of Argentina? Preliminary results*
- 026 Poster(s)** Sanjaya Bhandari*, Indiana State University - EES; James H Speer, PhD, Indiana State University; Moinuddin Ahmed, PhD, Dr. Moinuddin Ahmed Research Laboratory of Dendrochronology and Plant Ecology, Federal Urdu University of Arts, Science and Technology Karachi, Pakistan; Adam Khan, PhD, Dr. Moinuddin Ahmed Research Laboratory of Dendrochronology and Plant Ecology, Federal Urdu University of Arts, Science and Technology Karachi, Pakistan; *Drought signal in the tree-rings of three conifers in Northern Pakistan*
- 027 Poster(s)** Morgan Leef*, West Virginia University; Amy Hessel, PhD, Department of Geology and Geography, West Virginia University; Andrew Liebhold, PhD, US Forest Service Northern Research Station; Jonathan Hall, PhD, Department of Geology and Geography, West Virginia University; *A Tree-ring Reconstruction of Balsam Woolly Adelgid Infestations in the Highlands of West Virginia*
- 028 Poster(s)** Linda Barrett*, University of Akron; *Forest-site relationships in north-central Ohio as determined from General Land Office survey notes*
- 029 Poster(s)** Paul Knapp*, University of North Carolina Greensboro; Peter Soule*, Appalachian State University; Justin Maxwell, Indiana University; Jason Ortegren, University of West Florida; Joshua Bregy, Indiana University; *North Atlantic tropical cyclone precipitation changes post volcanic eruptions: Evidence from North Carolina longleaf pine (*Pinus palustris* Mill.): AD 1770–2000*
- 030 Poster(s)** Philip Van Beynen*, University of South Florida; Anna Pollock, PhD, University of South Florida; Kristine DeLong, PhD, Louisiana State University; Victor Polyak, PhD, University of New Mexico; Yemane Asmerom, PhD, University of New Mexico; *Investigation of mid-Holocene Climatic Teleconnections between Central America and Subtropical North America*
- 031 Poster(s)** Julie Commerford*, Saginaw Valley State University; Gabrielle Gittens, Saginaw Valley State University; Kendra K. McLauchlan, Kansas State University; Broxton W. Bird, Indiana University-Purdue University Indianapolis; *Evaluating long-term temperate forest resilience following human and climatic disturbances*
- 032 Poster(s)** Karen Heeter*, University of Idaho; Grant Harley, Ph.D., University of Idaho; *Blue Intensity as a temperature proxy in the eastern United States: a case study of potential from a southern disjunct population of *Picea rubens**
- 033 Poster(s)** Haley Hampstead*, Dr. Gabrielle Katz, Department of Earth and Atmospheric Sciences, Metropolitan State University of Denver; Dr. Jessica Salo, Department of Geography, GIS and Sustainability, University of Northern Colorado; *Effects of River Channel Expansion and Contraction on Riparian Vegetation, South Platte River, Logan County, Colorado, 1956-2016.*
- 034 Poster(s)** Alejandro Antonio Aragón-Moreno*, Louisiana State University; Kam-biu Liu, Louisiana State University; Junghyung Ryu, Louisiana State University; Qiang Yao, Louisiana State University; Harry F. L. Williams, University of North Texas; *Sedimentary Record of Hurricane Harvey and Other Storm events Recovered from an Estuarine Lake in the Trinity River Mouth, Southeastern Texas*
- 035 Poster(s)** Ryne Ruddock*, Indiana State University - EES; Jim Speer, Professor, Indiana State University; Margot Kaye, Professor, Pennsylvania State University; Rebecca Franklin, Instructor, Central Oregon Community College; Ben Hagedorn, Student, Western Washington University; Leah Cort, Student, Radford University; Abby Goszka, Student, Ohio University; Jessie Simpson, Research Technician, Natural Resources Canada - Pacific Forestry Center; Sarah Smith, Student, Ohio University; *Whitebark pine expansion due to climate change on an elevational gradient in the Greater Yellowstone Ecosystem*
- 036 Poster(s)** Christina Morrow*, Chris P. S. Larsen, University at Buffalo; Stephen J. Tulowiecki, SUNY Geneseo; *Predicting the age of *Quercus rubra* and *Quercus alba* trees using diameter and environmental variables*
- 037 Poster(s)** Peter Soule*, Paul Knapp, University of North Carolina - Greensboro; Justin Maxwell, Indiana University; *A comparison of the climate response of North Carolina longleaf pine (*Pinus palustris* Mill.) trees among standardized measures of early-, late-, and totalwood radial growth*
- 038 Poster(s)** John Cline*, Concord University; Jim Vanderhorst, West Virginia Division of Natural Resources; Tom Saladyga, Concord University; *Recent "rapid" conversion of an Appalachian bottomland oak swamp*
- 039 Poster(s)** James Dyer*, Ohio University; *Using a water-balance approach to explore fine-scale habitat changes in response to climate change*
- 040 Poster(s)** Fernando Casal*, *Soil, sediments, and great waters: the Tabasco project and Mesoamerican cultural origins*
- 041 Poster(s)** Olivia Marohnic*, University of Hawaii At Manoa; David Beilman, Associate Professor, Department of Geography and Environment, University of Hawaii at Manoa; James Juvik, Professor Emeritus, Department of Geography, University of Hawaii at Hilo; *Holocene hydroclimatic changes at three windward montane wetland sites on the Island of Hawaii 'i*
- 042 Poster(s)** David Beilman*, University of Hawaii; Charly Massa, University of Hawaii; Jon Nichols, LDEO Columbia University; *Mountain peatlands in Hawaii show dynamic vegetation and North Pacific hydroclimate over the Holocene: molecular-isotopic evidence*

FRIDAY, April 5 • 3:05 PM - 4:45 PM • Poster Sessions

- 043 Poster(s)** Nicole Zampieri*, Department of Geography, Florida State University; Stephanie Pau, PhD, Department of Geography, Florida State University; Ryan Slapikas, Department of Geography, Florida State University; Shiqian Wang, Geography, Florida State University; *Assessing Impacts of Hurricane Michael on longleaf pine in Florida*
- 044 Poster(s)** Nathan Roueche*, Western Washington University; Weston Staubus, Western Washington University; Jennifer Hill, Western Washington University; Christa Kohnert, Western Washington University; Keely Hausken, Western Washington University; Anne-Marie Yanny, Western Washington University; Alison Klimke, Western Washington University; Arielle Michaelis, Western Washington University; Raven Benko, Western Washington University; Shannon Schneider, Western Washington University; Jeffrey Feder, University of Notre Dame; Dietmar Schwarz, Western Washington University; *Local climate variation predicts physiological response to desiccation in a Dipteran fruit parasite in the Pacific Northwest*
- 045 Poster(s)** Daniel J Hocking*, Frostburg State University; Laura G Smith, University of Tennessee; *Hierarchical Bayesian models for climate reconstruction and uncertainty using tree-ring data*
- 046 Poster(s)** Jacob Irvin*, University of North Carolina - Wilmington; Monica Rother, University of North Carolina Wilmington; Jean Huffman, Tall Timbers, Tallahassee, FL; Kevin Robertson, Tall Timbers, Tallahassee, FL; *A comparison of prescribed fire records to tree-ring reconstructions of fire for longleaf pine savannas in the Red Hills Region, USA.*
- 047 Poster(s)** Arvind Bhuta*, Ecologist, U.S. Forest Service; Andrew Evans, Texas A&M, College of Geosciences; Pablo Juarbe-Martinez, Geological Society of America, GeoCorps America; Gabriel Seidman, Geological Society of America, GeoCorps America; *Determining ecological conditions across longleaf pine ecosystems of the National Forests in the Southeastern US through LANDFIRE*
- 048 Poster(s)** Jessica Griffin*; Camryn Mosley*; Karen Eisenhart*, Edinboro University of Pennsylvania; *Characterizing forest structure at Howard Falls Land Trust, a post-agricultural landscape of northwest Pennsylvania*
- 049 Poster(s)** Amanda B. Stan*, Department of Geography, Planning and Recreation, Northern Arizona University; Peter Z. Fulé, School of Forestry, Northern Arizona University; *Structure of a ponderosa pine forest on tribal lands in the southwestern US*
- 050 Poster(s)** Donald Sullivan*, University Of Denver; *Pollen Evidence for Regional Vegetation Change and Agricultural Practices in Greek and Early Roman Southern Italy*
- 051 Poster(s)** Lisa Davis*, University of Alabama; Ray Lombardi, Ph.D. Student, University of Alabama; Christopher Lance Stewart, Master's Student, Murray State University; Gary Stinchcomb, Assistant Professor, Murray State University; Steve Forman, Professor, Baylor University; David S. Leigh, Professor, University of Georgia; *A 2,200 year record of paleofloods for the middle Tennessee River, Alabama (USA)*
- 052 Poster(s)** Carrie Deitz*; Jared Beeton, PhD, co-author and advisor; Jennifer Lewis*; Leah Biersack*, Fort Lewis College; Allison Hurcomb*, Fort Lewis College; Paula Pletnikoff*; *Pollen Analysis and Reconstruction of Paleoenvironments of a Wetland in Monte Vista National Wildlife Refuge, San Luis Valley, Colorado*
- 053 Poster(s)** Caleb Cizauskas*, University of Wisconsin - Platteville; John D Peterson, University of Wisconsin-Platteville; Matthew Allender, University of Illinois Urbana-Champaign; Emilie Ospina, University of Illinois Urbana-Champaign; Christopher A Underwood, University of Wisconsin-Platteville; *Snake fungal disease distribution in the Driftless Area, Wisconsin, USA*
- 054 Poster(s)** Lisa M. Kennedy*, PhD, Virginia Tech; Joshua D. Starner, MS Student, Virginia Tech; *A New Sedimentary Charcoal Record of Fire History from a Sinkhole Pond in the Shenandoah Valley, Virginia, USA*
- 055 Poster(s)** Hannah LaGassey*, Western Washington University; *Preliminary Analysis of Climate Controls on Streamflow, Mass Balance, and Radial Growth of Subalpine Trees in the North Fork Nooksack Watershed, North Cascades, Washington*
- 056 Poster(s)** Lacy Monier*, Texas A&M University; *Variability in Streamflow Following Wildfire in the Sierra Nevada's*
- 057 Poster(s)** Sophia Garrido*, Utah Valley University; Justin White, phd, Utah Valley University; Justus Thomas, Utah Valley University; Mike Bunds, phd, Utah Valley University; *Unmanned aerial vehicles used for detecting wildlife in various habitats by their mid-infrared spectral signatures*
- 058 Poster(s)** Justin White*, Utah Valley University; Justus Thomas, Utah Valley University; Sophia Garrido, Utah Valley University; *Remote detection of wildlife in a montane, urban-fringe environment using ground-based thermal technology*
- 059 Poster(s)** Anthony Filippi*, Texas A&M University; Inci Guneralp, Texas A&M University; Andong Ma, Texas A&M University; Cesar Castillo, Texas A&M University; Mengqu Han, Texas A&M University; Joseph Wade, Texas A&M University; Haoyan Chen, Texas A&M University; Billy Hales, Texas A&M University; Dongshuo Lu, Texas A&M University; Nicole Hernandez, Texas A&M University; Christy Attaway, Texas A&M University; *Mapping of Hurricane Harvey-induced Tree Blow-downs in a Coastal Floodplain Forest*
- 060 Poster(s)** Thomas Ruzycski*, Colorado State University; Eileen Helmer, PhD, USDA Forest Service, International Institute of Tropical Forestry, Puerto Rico; *Tropical Deforestation and Spatial Patterns of Recolonization by Exotic and Native Trees in Puerto Rico and the Virgin Islands*
- 061 Poster(s)** Mary-Grace Gaskin*, Berry College; Zachary Taylor, PhD, Berry College; *Using GIS to enhance sustainable coffee farming at Life Monteverde, Costa Rica*
- 062 Poster(s)** Jeffy Summers*; *Dendroarchaeology and the Dating of a Historic Farm Building on the Summers' Farm, Summerfield, NC*
- 063 Poster(s)** Tyler Mitchell*, UNC-Greensboro; Paul A. Knapp, UNC-Greensboro; *Tropical cyclone frequency inferred from intra-annual density fluctuations in longleaf pine*

FRIDAY April 5 • 3:05 PM - 4:45 PM • Poster Sessions

Friday-043.2-3:05 p.m. New Bio-Geographies (Sponsored by Biogeography Specialty Group, Animal Geography Specialty Group, Cultural Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): J. Stallins, University of Kentucky; Sharon Wilcox, University of Wisconsin

001 Poster(s) J. Stallins*, Faculty - UK Dept of Geography, University of Kentucky; *Conserving Environmental and Ecological Cross-Scale Structure Through Data Modelling of State Space*

002 Poster(s) Jordan R. Cissell*, University of Alabama; Michael K. Steinberg, Ph.D., University of Alabama; *(Conch) Pirates of the Caribbean: Quantifying Illegal Harvests of Queen Conch in Two of Belize's Marine Protected Areas*

003 Poster(s) Alana N Seaman*, Ph.D., University of North Carolina Wilmington; Alexia Franzidis, Ph.D., University of North Carolina Wilmington; Hannah Samuelson, University of North Carolina Wilmington; Sophie Rae Ivy, University of North Carolina Wilmington; *Invasive or Ingredient: Why not both?*

004 Poster(s) Matthew Spetka*, University of South Florida; *A comparison of two GIS-based habitat characterization methods for juvenile gag (*Mycteroperca microlepis*): habitat suitability model vs ecological niche factor analysis*

005 Poster(s) Alana Rader*, Rutgers University; Laura Schneider, Dr., Rutgers, The State University of New Jersey; *Understanding the relationships of urban sprawl and forest cover change: A case study from the Mesoamerican Biological Corridor, Quintana Roo, Mexico*

006 Poster(s) Jacob Cabral*, "Using remote sensing technology to analyze coastal erosion and vegetation loss in Aucoot Marsh in Marion Massachusetts, and its effect on diamond terrapin (*malaclemys terrapin*) nesting sites."

007 Poster(s) Mary Ann Cunningham*, Associate Professor, Vassar College; Eilif Ronning, Department of Earth Science and Geography, Vassar College; Alexandra Reilinger, Biology Department, Vassar College; Adele Birkenes, Department of Earth Science and Geography, Vassar College; Yu Zhou, PhD, Department of Earth Science and Geography, Vassar College; *Shorebirds vs Shanghai: The challenge of ecological civilization in a fast-changing region*

008 Poster(s) Natasha Chenot*, University of Kansas; *Roads, Water, and Wetlands: Effects of Highway Construction on Wetland Viability*

009 Poster(s) Kendra Melanson*, Clark University; Janene Lichtenberg, Salish Kootenai College; *Pollinator community around culturally significant focal plants of the Flathead Indian Reservation*

010 Poster(s) Emma Cook*, Furman University; John E Quinn, PhD, Furman University; *Patterns of vertebrate richness across global anthromes: prioritizing conservation in the Anthropocene*

011 Poster(s) Laura Cohen*, HERO Program; *Networking a Common Space: How Tree Planting Actors Work Together to Green the Gateway Cities of Fall River and Chicopee, Massachusetts*

012 Poster(s) Sam Watson*, Clark University; *Modelling Florida Panther Distribution in Southern Florida and the Influence of Anthropogenic Forces*

013 Poster(s) CHUN CAO*, College of Geography and Environmental Science, Northwest Normal University, Lanzhou 730070, Gansu, China; Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, USA; Mei-Po Kwan, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, Urbana, USA; Huan Chen, Belle W. Baruch Institute of Coastal Ecology and Forest Science, Clemson University, South Carolina, United States; *Influence of greenhouse cultivation on the heavy-metal contaminations of vegetables in sewage-irrigated farmland*

014 Poster(s) Morgan Alban*, Frostburg State University; *Identifying Potential Ginseng Habitats in Allegany County, Maryland*

015 Poster(s) Morgan Walker*, University of Florida; Jason Blackburn, University of Florida; Sadie Ryan, University of Florida; Maria Uribasterra, University of Florida; Valpa Asher, Turner Enterprises; *Ungulate use of locally infectious zones (LIZs) in the re-emerging anthrax zone of Southwestern Montana*

016 Poster(s) Andrew Pagan*, Clark University; *Assessing the impact of established juvenile trees on land surface temperature in Burncoat and Greendale neighborhoods in Worcester, MA*

017 Poster(s) Rowan Moody*, Deborah Martin, Adviser; John Rogan, Adviser; Nick Geron, Adviser; Marc Healy, Adviser; *Modelling the Current and Future Ecosystem Services of Urban Tree Planting in Chicopee & Fall River, Massachusetts*

018 Poster(s) Marie Smoyer*, Army Corps of Engineers; Mario L. Cardozo, Kutztown University of Pennsylvania; Richard S. Courtney, Kutztown University of Pennsylvania; *Nesting Box Project for Bluebirds at Blue Marsh Lake, Eastern Pennsylvania*

019 Poster(s) Molly Gayle Vorhaus*, Department of Environmental Studies, Gettysburg College; Monica Ogra, Department of Environmental Studies, Gettysburg College; *Wolves are Wild: A Collection of Narratives About Rescued Wolves and Wolves*

020 Poster(s) Jake Batchelor*, Furman University; *Bird Biodiversity Assessment Tool: Furman's campus as a case study*

021 Poster(s) Tamara Biegas*, Ph.D., Harford Community College; Tami Imbierowicz, Harford Community College; Jaclyn Madden, Harford Community College; *DNA Barcoding a College Campus Arboretum*

022 Poster(s) Stephen Esmond*, BS, University of Kansas, Haskell Environmental Research Institute, Haskell Indian Nations University; *Shell Shocked: Temperature induced sea level rise threatens sea turtle nesting habitat*

Friday-043.3-3:05 p.m. Human-Environmental Interactions

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

002 Poster(s) Kathryn Caudell*, Southwestern University; *Student Workers and their Role in Sustainability at a Small Liberal Arts University: A Case Study of Southwestern University*

FRIDAY, April 5 • 3:05 PM - 4:45 PM • Poster Sessions

- 003 Poster(s)** Drew Smith*, *Maritime Traffic & Marine Protected Areas in the San Francisco Bay Area, CA*
- 004 Poster(s)** D.S. Monty Watson*, MPA, Florida Atlantic University; April A Watson*, PhD, Lynn University; *What's Up, (re)Dox? Hydrologic modeling of Arsenic contamination in Boca Raton, Florida*
- 005 Poster(s)** Matthew Powell*, TAMU; Inci Guneralp, Associate Professor, Texas A&M University, College Station, TX; Burak Guneralp, Assistant Professor, Texas A&M University, College Station, TX; *Sociohydrology: a Paradigm Shift in the Understanding of Complex Human-Water Interactions?*
- 006 Poster(s)** Layheab Ly*, Salem State University; *Consumer Waste: Who is Responsible?*
- 007 Poster(s)** Lin Zhang*, *The relationship between industrial structure and carbon intensity under different economic stages: a analysis based on dynamic threshold panel model*
- 008 Poster(s)** Cassandra Shields*, Randall Wilson*, Gettysburg College; *Developing a Campus Sustainability Action Plan: Stage II*
- 009 Poster(s)** Brian Conz*, Westfield State College; *Residential Green Building for Net-Zero Emissions: Lessons from a Case Study in Western, MA*
- 0010 Poster(s)** Clifton Cross*, Furman University; *A Comparative Sustainability Assessment of Asheville, North Carolina*
- 011 Poster(s)** Caroline Sulick*, *Prospects for Massachusetts Community Supported Fisheries*
- 012 Poster(s)** Talia Potochny*, Undergraduate Student; *Using 360 Degree Video to Show Conservation Efforts*
- 013 Poster(s)** Samantha Mathews*, Penn State; *The Effectiveness of Biological Corridors in El Salvador as a Conservation Model*
- 014 Poster(s)** Carly Sheinberg*, Pace University; *Learning to Compost: The Efficacy of Experiential Learning in Participatory Green Spaces to Improve Compost Participation*
- 015 Poster(s)** John Bodenman*, Bloomsburg University; Jennifer Haney, Bloomsburg University; *Waste Disposal and Recycling in Rwanda: Challenges and Opportunities*
- 016 Poster(s)** Gwendolyn Thayer*, Christopher Klem*, *Think Outside the Bulb: Modeling Solar Potential in Keene, New Hampshire*
- 017 Poster(s)** Halle Leneghan*, Texas Christian University; *Keeping Fort Worth, Texas Clean: Drop-Off Station Locations for the Disposal of Excess Solid Waste*
- 018 Poster(s)** Jesse Lane*, University of North Carolina at Greensboro; *Wealth and Renewable Energy: The Growing Division Within the Energy Economy*
- 019 Poster(s)** John Hintz*, Bloomsburg University of Pennsylvania; *Simple Classroom Tools for Sophisticated Ideas: Sustainable Agricultural Soils as Renewable Resources*

Friday-043.4-3:05 p.m. Hazards

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** Tania López-Marrero*, University of Puerto Rico - Mayagüez; Tamara Heartsill-Scalley, USDA FS - International Institute of Tropical Forestry; Carlos F. Rivera-López, University of Puerto Rico - Mayagüez; Isabel A. Escalera-García, University of Puerto Rico - Mayagüez; Mariangelí Echevarría-Ramos, University of Puerto Rico - Mayagüez; *Hurricanes and forest in Puerto Rico: A systematic literature review*
- 003 Poster(s)** Jordan Bretthauer*, Department of Geography & the Environment, University of Denver; *Hazard Visualization and Risk Assessment of Morrison, Colorado*
- 004 Poster(s)** Anthony Foyle*, Penn State Erie - The Behrend College; Michael A Rutter, Penn State Erie - The Behrend College, Erie PA; Karen Schuckman, Dutton e-Education Inst., Penn State University, University Park, PA; *Bluff Retreat Bayesian Modeling and Littoral Sediment Input Mapping on the Lake Erie Coast of Pennsylvania, USA*
- 005 Poster(s)** Elvis Carrillo*, CSU Dominguez Hills; Parveen Chhetri, CSU Dominguez Hills; *Assessing Social-Economic Impacts of Earthquakes in Southern California*
- 006 Poster(s)** Clemens Havas*, University of Salzburg; Bernd Resch, University of Salzburg; *Identifying disaster impacted areas with machine learning and geospatial analysis using social media data*
- 007 Poster(s)** Chris Bruce*, The Nature Conservancy; *Coastal Resilience - Virginia Eastern Shore*
- 008 Poster(s)** Mayowa Lasode*, Department of Geography, Texas State University; *Allocating flood evacuation shelters in Austin, Texas: a multi-criteria approach*
- 009 Poster(s)** Scott Williams*, *Lake Ontario flooding in the Greater Rochester Area*
- 0010 Poster(s)** Ashley Coles*, Texas Christian University; *Identification and evaluation of flood-avoidance driving routes in Tucson, AZ*
- 011 Poster(s)** Damien Wilson*, University of Maryland; *Flooding Risk and Resiliency Across Mozambique*
- 012 Poster(s)** Ross Guida*, Sam Houston State University; *How much is too much? Where water and growth collide in the North Houston suburbs*
- 013 Poster(s)** Sally Louise Roscoe*, Hofstra University; *The Socioeconomic Demographics of Water Use During Drought: Using Cape Town, South Africa as a Model*
- 014 Poster(s)** Shitian Wan*, University of Cincinnati; Yuhe Gao*, University of Cincinnati; *The Causal Factors of Fire Occurrences in Semi-Arid Environments: Case Studies of Phoenix and Las Vegas*
- 015 Poster(s)** Burrell Montz*, East Carolina University; Graham Tobin*, University of South Florida; *Levees, Hydrologic Uncertainty, and Floodplain Development: A Longitudinal Analysis of Yuba County, California*
- 016 Poster(s)** Mitchell Ogden*, East Tennessee State University; *Modeling the Past, Planning for the Future: An Analysis of the Probable Maximum Precipitation and Potential Flood Inundation of Two Near-Catastrophic Dam Failure Events*

FRIDAY April 5 • 3:05 PM - 4:45 PM • Poster Sessions

017 Poster(s) Adrienne Swindle*, University of North Alabama; Lisa Keys-Mathews, PhD, GISP, University of North Alabama; *Analyzing the Rate of Reconstruction and the Socioeconomic/ Cultural Regions in Post-Katrina New Orleans*

018 Poster(s) Kevin Ash*, University of Florida; Michael Egnoto, Walter Reed Army Institute of Research; Stephen Strader, Villanova University; Walker Ashley, Northern Illinois University; David Roueche, Auburn University; Christina Edwards, WHNT News 19, Huntsville, AL; Kim Klockow-McClain, Cooperative Institute for Mesoscale Meteorological Studies; *Manufactured Home Residents, Risk Perception, and Tornado Sheltering in the American Mid-South*

FRIDAY April 5 • 3:05 PM - 4:45 PM

Friday-047-3:05 p.m. Geography and a Well-Rounded Education

Room: Balcony A, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Michael Solem, National Center for Research in Geography Education

CHAIR: Michael Solem, National Center for Research in Geography Education

Introduction(s): Michael Solem, Co-Director, National Center for Research in Geography Education

Panelist(s): Sarah Van Duyn, National Geographic Society; Bruce Lesh, Maryland State Department of Education

Friday-048-3:05 p.m. Hazards, Risks, and Disasters 8 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Naomi Lazarus, California State University - Chico

3:05 Md Sariful Islam*, PhD Student, Department of Geography, Virginia Polytechnic Institute and State University; Thomas Schmidlin, Professor, Department of Geography, Kent State University; *Lightning Hazard Safety Measures and Awareness in Bangladesh*

3:25 Zakia Sultana*, Bishawjit Mallick, Technische Universität Dresden, Germany; *Cyclone – Migration – Adaptation Nexus in the social context of Bangladesh*

3:45 Bidita Tithi*, University of California, Davis; *The Geography of Displacemaking: A Study of Policymaking and Living with Displacement and Hazards in the Precarious Margins of Coastal Bangladesh*

4:05 Shivangi Prasad*, University of Miami; *The Role of Nongovernmental Organizations in Building Climate and Disaster Resilience in Bihar (India)*

4:25 Shalini Sharma*, University of East Anglia; *Smart Citizenship: Healing, Justice and the Bhopal Movement*

Friday-049-3:05 p.m. Geographic Studies of Soil Quality

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Gigi Berardi, Huxley College, Western Washington University

3:05 Mingyue Liu, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences; Hao YU*, Baojia Du, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences; Zongming Wang, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences; Liangjun Hu, Northeast Normal University, Key Laboratory for Vegetation Ecology Science of Ministry of Education; Bai Zhang, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences; *Mapping Soil Salinity/Sodicity by using Landsat OLI Imagery and PLSR Algorithm over Semiarid West Jilin Province, China*

3:25 Lei Wang*, Louisiana State University; Yaping Xu, Louisiana State University; *Soil moisture downscaling using space-time geospatial statistics and localized methods*

3:45 Rabeya Akter*, Ohio University; *Introducing A New Hazard Index: Salinity Hazard Assessment in Coastal Estuaries*

4:05 An-Min Wu*, University of Southern California; Nic Jelinski, University of Minnesota; *Human influences on soil pollution: Modeling soil lead with urban environmental characteristics using regression, support vector machine and random forest*

4:25 Daniel Nessly*, University of Idaho; Gigi Berardi*, Huxley College, Western Washington University; *Soil quality in matched-pair comparisons of organic and conventional vegetable fields in Skagit County, Washington*

FRIDAY, April 5 • 3:05 PM - 4:45 PM

Friday-050-3:05 p.m. W3_8 Liminal Embodiment

Room: Jefferson, Marriott, Mezzanine Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Friday-051-3:05 p.m. W3_4 Tasting Terroir - Aroma and Flavor Sensory Analysis of Malted Barley for Craft Brewing and Distilling

Room: Johnson, Marriott, Mezzanine Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Friday-052-3:05 p.m. CSG Plenary Session: China's Environment in a Metacoupled World (Sponsored by China Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology

CHAIR: Xinyue Ye, New Jersey Institute of Technology

Introduction(s): Xinyue Ye, Associate Professor, New Jersey Institute of Technology; Jianguo Liu, Michigan State University

Panelist(s): Jianguo Liu, Michigan State University

Discussant(s): Jianguo Liu, Michigan State University; Xinyue Ye, Associate Professor, New Jersey Institute of Technology

Friday-054-3:05 p.m. Wetlands and Watersheds in the Anthropocene: a Geomorphological and Geocological Approach (Sponsored by Paleoenvironmental Change Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Samantha Krause, University of Texas - Austin; Colin Doyle, University of Texas - Austin; Timothy Beach, University of Texas at Austin

CHAIR: Samantha Krause, University of Texas - Austin

3:05 Samantha Krause*, University of Texas - Austin; Timothy Beach, PhD, University of Texas at Austin; Sheryl Luzzadder-Beach, PhD, University of Texas at Austin; Luisa Aebersold, University of Texas at Austin; Colin Dolye, University of Texas at Austin; Sara Eshleman, University of Texas at Austin; *Earth, Wetlands, and Fire: Late Holocene fire reconstructions from lowland swamps in Northwestern Belize*

3:25 Jon-Paul McCool*, Valparaiso University; *Dry Wetlands from Past Environments: Distinguishing between the Nile floodplain and wetlands of the African Humid Period*

3:45 Preston McLaughlin*, University of Texas - Austin; *Plot and watershed-scale impacts of unpaved roads for runoff and sediment production in Culebra, Puerto Rico*

4:05 Paul Marr*, Shippensburg University; Claire A. Jantz, Shippensburg University; *Primary Productivity Trends of High-Altitude Cushion Bogs (Bofedales) in Northern Chile, 2001-2013*

4:25 Jonathan Flood*, PhD, Frostburg State University; Tim Beach, PhD, University of Texas at Austin; Sheryl Luzzadder-Beach, PhD, University of Texas at Austin; Alex Walthall, PhD, University of Texas at Austin; Jane Millar, University of Texas at Austin; Leila Donn, University of Texas at Austin; *The Fluvial Evolution of the Catania Plain and Rivers of Central Sicily*

Friday-055-3:05 p.m. Advances in Computational Approaches for Geospatial Health Applications III (Sponsored by Spatial Analysis and Modeling Specialty Group, Cyberinfrastructure Specialty Group, Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Marco Helbich, Utrecht University; Claudio Owusu, University of North Carolina - Charlotte; Alexander Hohl, Utica College

CHAIR: Marco Helbich, Utrecht University

3:05 Marco Helbich*, Utrecht University; *Going beyond the mean and linearity: A better way to understand green space-mental health associations?*

3:25 Markku Tykkyläinen*, University of Eastern Finland, Department of Geographical and Historical Studies; Mikko Pyykönen, University of Eastern Finland, Department of Geographical and Historical Studies; Sami Sieranoja, University of Eastern Finland, School of Computing; Pasi Fränti, University of Eastern Finland, School of Computing; Tiina Laatikainen, National Institute for Health and Welfare; *Geospatial health as interdisciplinary research for health care reform and planning*

3:45 Fahui Wang*, Louisiana State University; Tracy Onega, PhD, Geisel School of Medicine at Dartmouth; *Automated Delineation of Cancer Service Areas in the Northeast Region of U.S.*

4:05 Alastair Munro*, University of Nottingham; *Long-Term Spatiotemporal Changes in Endemic Threshold Populations in England & Wales - A Multi-Disease Study*

4:25 Discussant(s): Xun Shi, Professor, Dartmouth College

Friday-056-3:05 p.m. Geography of Health and Disease in Urban Areas I

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Ming Luo, Sun Yat-sen University

3:05 Konty Kevin*, NYC Department of Health and Mental Hygiene; Stuart H Sweeney, University of California, Santa Barbara; *Population and health geography of New York City public school students*

3:25 Jane Clougherty*, Drexel University Dornsife School of Public Health; Ellen J. Kinnee, MA, Department of Environmental and Occupational Health | University of Pittsburgh; Fernando Holguin, MD, MPH, University of Colorado; *Modification of Asthma Clinical Trial Results by Environmental and Socioeconomic Exposures*

FRIDAY April 5 • 3:05 PM - 4:45 PM

3:45 Weiting Hsu*, National Taiwan Normal University;
Analysis of supply and demand of bus transportation system service in Taichung metropolitan area

4:05 Zhichao Li*, Ministry of Education Key Laboratory for Earth System Modeling, Department of Earth System Science, Tsinghua University, Beijing, China; Renaud Marti, Espace-dev, UMR 228/IRD/UM/UR/UG, Institut de Recherche pour le Développement (IRD), Montpellier, France; Nadine Dessay, Espace-dev, UMR 228/IRD/UM/UR/UG, Institut de Recherche pour le Développement (IRD), Montpellier, France; Helen Gurgel, Department of Geography (GEA), University of Brasília (UnB), Brasília, Brazil; Emmanuel Roux, Espace-dev, UMR 228 IRD/UM/UR/UG, Institut de Recherche pour le Développement (IRD), Montpellier, France; Thibault Catry, Espace-dev, UMR 228 IRD/UM/UR/UG, Institut de Recherche pour le Développement (IRD), Montpellier, France; Peng Gong, Ministry of Education Key Laboratory for Earth System Modeling, Department of Earth System Science, Tsinghua University, Beijing, China; *Analysis of the impact of urban landscape characteristics on the spatial distribution of dengue fever*

4:25 Ming Luo*, Sun Yat-sen University; *Increasing heat stress in urban areas of eastern China: Acceleration by urbanization*

Friday-057-3:05 p.m. Technology In/Out of the Classroom: Blending the Old and the New (Sponsored by Community College Affinity Group, Geography Education Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Kerry Lyste, Everett Community College

CHAIR: Kerry Lyste, Everett Community College

Panelist(s): Matthew Haffner, Oklahoma State University; Barbara MacLennan, West Virginia University; Kerry Lyste, Mr., Everett Community College; Katsuhiko Oda, Assistant Professor (Teaching), University of Southern California; Denise Goerisch, Grand Valley State University

Friday-058-3:05 p.m. Urbanization, Coastal Vulnerability, and Sustainability (VI): Earth at Night - What Can and Can't be Seen? (Sponsored by Remote Sensing Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR: Qihao Weng, Indiana State University

Introduction(s): Qihao Weng, Professor; Director, Ctr. for Urban & Environmental Change, Indiana State University

Panelist(s): Miguel Román, Universities Space Research Association (USRA); Zhuosen Wang, University of Maryland College Park/NASA GSFC; Yanhua Xie, Dr., Indiana State University; Qiming Zheng, Indiana State University

Discussant(s): Qihao Weng, Professor; Director, Ctr. for Urban & Environmental Change, Indiana State University

Friday-060-3:05 p.m. Daily Life Segregation: Causes, Patterns and Consequences (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group, Geographic Information Science and Systems Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Fei Li; Donggen Wang, HONG KONG BAPTIST UNIVERSITY

CHAIR: Fei Li

3:05 Weijie Hu*, The University of Sydney; Yiting Wang, Chongqing Normal University; *Job Choice, Location and Mobility among Rural Migrants Living in Public Rental Housing in Chongqing, China*

3:25 Bi Yu Chen*, Dr., Wuhan University; Donggen Wang, Department of Geography, Hong Kong Baptist University; *Understanding the Impacts of Human Mobility on Accessibility Using Massive Mobile Phone Tracking Data*

3:45 Abigail L. Cochran*, University of California, Berkeley; Daniel G. Chatman, University of California, Berkeley; *Does Privatization Mean Isolation? Transportation Mode Use and Out-of-Home Activity Participation Trends Among People With Disabilities*

4:05 Fei Li*; Donggen Wang, Hong Kong Baptist University; Biyu Chen, Wuhan University; *Daily Life Segregation and Exposure to Congestion in Shenzhen, China*

4:25 Xinlin Ma*; Yan Zhang, Beijing Union University; Mei-po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; *Daily activity differentiation and social inequality in the socially mixed suburban communities in Beijing, China*

Friday-061-3:05 p.m. Ocean Frontiers II: (Sponsored by Coastal and Marine Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Elizabeth Havice, University of North Carolina-Chapel Hill; Anna Zalik, York University

CHAIR: Elizabeth Havice, University of North Carolina-Chapel Hill

3:05 Jessica Lehman*, Durham University; *Marine cultural heritage and the frontiers of ocean politics*

3:25 Jennifer Silver*, The University of Guelph; *Breathing new life into an old model: debt-restructuring for marine protection and planning in Small Island Developing State Exclusive Economic Zones*

3:45 Peter Vanderveest*, York University; *Free and Unfree Workers at Sea: Southeast Asian Frontiers in Regulating Labour Relations in Industrial Fishing*

4:05 Leslie Acton*, Colorado State University; Rebecca L Gruby, Colorado State University; *Territorial entanglements in large scale ocean governance: Papahānaumokuākea Marine National Monument*

4:25 Anna Zalik*, York University; *Mining the Seabed, Enclosing the Area: Proprietary Knowledge and the Geopolitics of the Extractive Frontier Beyond National Jurisdiction*

FRIDAY, April 5 • 3:05 PM - 4:45 PM

Friday-062-3:05 p.m. Short-term Rentals as a New

Urban Frontier

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Ismael Yrigoy; Angela Hof, University of Salzburg

CHAIR: Angela Hof, University of Salzburg

- 3:05** Zahratu Shabrina*, University College London; Elsa Arcaute, University College London; Michael Batty, University College London; *The diversity of dwelling types in locations of Airbnb*
- 3:25** Claus Müller*, Technische Universität Berlin; Stefan Brandt*, Technische Universität Berlin; *Neighborhoods in a tourist trap? Changing residential quality through tourist accommodations in Berlin neighborhoods*
- 3:45** Wesley Roehl*, Temple University; *Ideology, Public Policy, and Short-term Rental Housing Regulation*
- 4:05 Discussant(s):** Dimitri Ioannides, Professor, Mid-Sweden University

Friday-063-3:05 p.m. Beyond the Limits of The City: Theory and Method in Urban Borderlands

Room: Cleveland 1, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Kian Goh, UCLA; Hillary Angelo, University of California Santa Cruz

CHAIR: Hillary Angelo, University of California Santa Cruz

Introduction(s): Kian Goh, UCLA

Panelist(s): Kasia Paprocki, Assistant Professor in Environment, London School of Economics; Kyle Galindez, UC Santa Cruz; Lukasz Stanek; Jennifer Robinson, Prof, University College London; Stuart Schrader, Lecturer, Harvard University

Discussant(s): Hillary Angelo, University of California Santa Cruz

Friday-064-3:05 p.m. Tourism planning and management (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jillian Rickly, University of Nottingham

CHAIR: Emily Yeager, East Carolina University

- 3:05** Jeremy Sage*, Associate Director, ITRR, University of Montana; Jake Jorgenson, RRC Associates, Boulder, CO; Norma Nickerson, University of Montana, Institute for Tourism and Recreation Research; Mandi Roberts, OTAK, Inc; *When Does Congestion Matter to the Recreation Traveler in National Parks?*
- 3:25** Emily Yeager*, East Carolina University; Bynum Boley, Ph.D., University of Georgia; Cari Goetcheus, University of Georgia; *Conceptualizing the Impacts of Short Term Vacation Rentals (STVRs) Across the Urban Landscape*
- 3:45** Raffaella Afferni*, Department of Humanities - Università del Piemonte Orientale Amedeo Avogadro; Carla Ferrario, Department of Economics and Business Studies - Università del Piemonte Orientale Amedeo Avogadro; *Human and material legacy: the experience of Expo Milan 2015 Mega-event*
- 4:05** Zhengying Shan*, *Tourism Development, Spatial Spillover and Economic Growth*
- 4:25** Rajrani Kalra*, Associate Professor, California State University - San Bernardino; *Exploring the Recent Studies of Tourism Geography in India*

Friday-065-3:05 p.m. Boundary Work, Art, and Place in Indigenous Research (Sponsored by Indigenous Peoples Specialty Group, Cultural Geography Specialty Group, Media and Communication Geography Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Soren Larsen, University of Missouri; Jay Johnson, University of Kansas

CHAIR: Soren Larsen, University of Missouri

- 3:05** Melanie Zurba*, Dalhousie University; *Mobilizing a boundary work framework for community-partnered research and land-based curriculum development*
- 3:25** Ian Mauro*, University of Winnipeg; *Respect, Reciprocity and Renewal: Participatory video, Indigenous communities, and climate change storytelling*
- 3:45** Soren Larsen*, University of Missouri; *Boundary-Work, the Gifting of Art, and the Agency of Place in Indigenous Coexistence*
- 4:05** Jay Johnson*, University of Kansas; Soren C Larsen, University of Missouri; *Sacred Boundaries: The Role of the Haskell Medicine Wheel Earthwork in Cross-Ontological Struggle*
- 4:25** Sarah De Leeuw*, University of Northern British Columbia; *Unsettling Poetics*

Friday-066-3:05 p.m. Seeking Solutions to Land Challenges of the Anthropocene: Land Systems Science at the Interface of Normative and Policy Concerns II (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Rinku Roy Chowdhury, Clark University; Darla Munroe, Ohio State University

CHAIR: Rinku Roy Chowdhury, Clark University

- 3:05** Darla Munroe*, Ohio State University; *Flow-based governance of telecoupled land systems*
- 3:25** Claudia Radel*, Utah State University; Brad Jokisch, Ohio University; Birgit Schmook, El Colegio de la Frontera Sur; Mariel Stoen, University of Oslo; Kathleen Hermans, Helmholtz Centre for Environmental Research GmbH - UFZ; Lindsey Carte, Universidad de la Frontera; Karl Zimmerer, Pennsylvania State University; Stephen Aldrich, Indiana State University; *Land Systems Science Perspectives on Migration, Displacement, and Land*
- 3:45** Hannah Gosnell*, PhD, Oregon State University; Jesse Abrams, PhD, University of Georgia; David Bell, PhD, USDA Forest Service, Pacific Northwest Research Station; Matthew Gregory, PhD, Oregon State University; Tyler Harris, MS, Oregon State University; Heidi Huber-Stearns, PhD, University of Oregon; Robert Kennedy, PhD, Oregon State University; *A Land Systems Science Approach to Assessing Forest Governance and Characterizing the Emergence of Social Forestry in the Western Cascades of Oregon*
- 4:05** Ariane C de Bremond*, Global Land Programme, Centre for Development and Environment, University of Bern | University of Maryland, College Park; Peter Messerli, Centre for Development and Environment, University of Bern; Albrecht Ehrensperger, Centre for Development and Environment, University of

FRIDAY April 5 • 3:05 PM - 4:45 PM

Bern; *Unlocking the potential of global change research programs to contribute to sustainability transformations: Lessons the land system science community's Global Land Programme*

- 4:25** Ted J. Lawrence*, Cornell University; Stephen J. Morreale, Cornell University; Richard C. Stedman, Cornell University; *Distant political-economic forces and global-to-local pathway to impacts on forests of ejido landscapes across Yucatán, México*

Friday-067-3:05 p.m. UAS Processing Software Demonstration

Room: Harding, Marriott, Mezzanine Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Jeffrey Miller, Pix4D
CHAIR: Jeffrey Miller, Pix4D

Friday-068-3:05 p.m. Navigating the Field: Supporting Women in Geography across Sub-disciplines, 7th Annual Panel (Sponsored by Graduate Student Affinity Group, Geographic Perspectives on Women Specialty Group, Careers and Professional Development, Harassment-Free AAG Initiative)

Room: Wilson A, Marriott, Mezzanine Level (Panel)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Michelle Ritchie, Pennsylvania State University
CHAIR: Michelle Ritchie, Pennsylvania State University
Introduction(s): Michelle Ritchie, Ph.D. Candidate, Pennsylvania State University
Panelist(s): Ruchi Patel, Pennsylvania State University; Jaclyn Guz, Doctoral Student, Clark University; Esra Alkim Karaagac, University of Waterloo; Laura Sauls, Clark University; Melva Treviño-Peña, Multicultural Faculty Fellow, University of Rhode Island
Discussant(s): Jennifer Titanski-Hooper, Dr., Francis Marion University; Michelle Ritchie, Ph.D. Candidate, Pennsylvania State University

Friday-069-3:05 p.m. Finding Your Career Outside Academia II: A Workshop for Graduate Students (Sponsored by Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Workshop)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Mark Revell, American Association of Geographers
CHAIR:

Friday-070-3:05 p.m. Gender, Entrepreneurship, and Innovation: a Regional Perspective (Sponsored by Economic Geography Specialty Group, Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Panel)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; Sharmistha Bagchi-Sen, SUNY-Buffalo; Yasuyuki Motoyama, University of Kansas
CHAIR: Yasuyuki Motoyama, University of Kansas
Panelist(s): Sharmistha Bagchi-Sen, professor, SUNY-Buffalo; Helen Lawton Smith, Birkbeck University of London; Yasuyuki Motoyama, Assistant Professor, University of Kansas; Elizabeth Mack, Assistant Professor, Michigan State University; Paul Lassalle, Strathclyde Business School; Aisling O'Neill, Waterford Institute of Technology; William O'Gorman, Professor

Friday-072-3:05 p.m. Mountain Futures 4 (Sponsored by Mountain Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Panel)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Cara Steger, Colorado State University; Julia Klein, Colorado State University
CHAIR: Julia Klein, Colorado State University
Panelist(s): Julia Klein, Colorado State University; Robin Reid; Catherine Tucker, Professor, University of Florida; Anne Nolin, Professor, University of Nevada, Reno; Cara Steger, Colorado State University

Friday-073-3:05 p.m. Agriculture and Food Systems: Interdisciplinary Perspectives II (Sponsored by Geographies of Food and Agriculture Specialty Group, Human Dimensions of Global Change Specialty Group, Rural Geography Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Pinki Mondal, University of Delaware; Lindsay Naylor, University of Delaware
CHAIR: Lindsay Naylor, University of Delaware
3:05 Angela Chapman*, PhD Student, UC Davis Geography Graduate Group; Harold Perkins*, Ohio University; *The Neoliberal Economy of Food Security: Evaluating the Ability of the Local Food System around Athens, Ohio to Address Food Insecurity*
3:25 Hannah Ramer*, *Urban agriculture, race, and real estate: the Minneapolis Garden Club 1910-1925*
3:45 Sasha Pesci*, University of California - Davis; *Cultivating a palate: contested embeddedness and changing food geographies in the 50 years of Chez Panisse*
4:05 Marvin Joseph Montefrio*, Yale-NUS College; Xin Run Lee, Yale-NUS College; Lim Elwin, Yale-NUS College; *Everyday Aesthetic Politics in Urban Agriculture*
4:25 Lisa Jordan*, Drew University; Andrew Katapodis, Drew University; *The Conflict-Population-Climate Nexus: Disentangling the Climate Consensus from the Neoliberal Consensus*

Friday-074-3:05 p.m. Immersive V: Digital Socialities - Immersive Technologies and Experiences (Sponsored by Media and Communication Geography Specialty Group, Cultural Geography Specialty Group, Digital Geographies Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)
Time: 3:05 p.m. - 4:45 p.m.
ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Dino Kadich, University of Arizona - Geography & Development; Alexander Klippel, Pennsylvania State University
CHAIR: Joseph Palis, University of the Philippines-Diliman
3:05 Dino Kadich*, Mr, University of Cambridge - Geography; *Pokemon Go and the 'oddly bodily' geographies of encounter in Sarajevo*
3:25 Linnea Saltin*, *Nostalgia in Virtual Reality*
3:45 Patrick D Hagge*, Arkansas Tech University; *Student Perceptions of Virtual Reality Usage in a University Classroom Using "Google Earth VR"*

FRIDAY, April 5 • 3:05 PM - 4:45 PM

4:05 Seth Kudym*, University of Nebraska - Omaha; *Holocaust Mobilities: Beyond the Mapping, Stressing the Narratives*

4:25 Discussant(s): Alexander Klippel, Pennsylvania State University

Friday-082-3:05 p.m. Rights and Accessibility of Young People

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Stuart Aitken, San Diego State University

3:05 Diego Hernandez*, Universidad Catolica del Uruguay; Cecilia Rossel, Universidad Catolica del Uruguay; *Space-time constrains for access to services of child care in Montevideo: transport, urban form and service quality*

3:25 Mitchel Langford*, Ph.D., University of South Wales, UK; Gary Higgs, Ph.D. D.Sc., University of South Wales, UK; Chris Taylor, Ph.D., Cardiff University, UK; *Accessibility to secondary schools in the UK. An enhanced two-step floating catchment area (E2SFCA) analysis using well-informed variable-sized catchments.*

3:45 Christopher Schroeder*, Southeast Missouri State University; *Queering Urban Ecology: Queer youths' access to urban natures*

4:05 Melvin Johnson*, Dr., University of Wisconsin-Manitowoc; *What is true inclusivity?*

4:25 Stuart Aitken*, San Diego State University; *Young People, Rights and Place*

Friday-083-3:05 p.m. Governance and Human Rights

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Paul Mackun, U.S. Bureau Of the Census

3:05 Mohammed Humran*, Mr, Yemen Geography Society; *Political Geography & Geopolitics Of Arabian Nation*

3:25 Adam Phillips*, *Speaking together without speaking with one voice. Leadership, Authority and Affect in the Nuit Debout Movement in Paris 2017*

3:45 Cassie Conklin*, Frostburg State University; *Political Geography in Western Maryland, Appalachia*

4:05 Paul Mackun*, U.S. Bureau Of the Census; *Metropolitan, Micropolitan, and Related Statistical Areas: Guidance and Examples of Uses*

4:25 Ruchika Lall*, Rashee Mehra*; *Gendering the Smart City: Subaltern voices from New Delhi, India*

Friday-084-3:05 p.m. Digital Urban Revolutions I: Activating Theories & Imaginaries (Sponsored by Digital Geographies Specialty Group, Political Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jason Luger, University of California - Berkeley; Martin Zebracki, University of Leeds

CHAIR: Martin Zebracki, University of Leeds

3:05 Jacob Forrest*, University of British Columbia; *Tracing and placing the 'smart' urban r/evolution: three spatial genealogies*

3:25 Julie Cupples*, University of Edinburgh; Kevin Glynn*, Northumbria University; *Patria libre para vivir: Discursive articulations and disarticulations in the 2018 Nicaraguan uprising*

3:45 Alexander Tarr*, Worcester State University; *Slow Food at the Speed of Light: The Digital Mediation of Urban Food Activism*

4:05 Donald Anderson*, Southwest University of Visual Arts; *Soft Cities, Old and New*

4:25 Discussant(s): Gillian Rose, University of Oxford

Friday-086-3:05 p.m. Material Culture and Geography (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group, Political Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Sara Keough, Saginaw Valley State University

CHAIR: Sara Keough, Saginaw Valley State University

3:05 Elisabeth Lacsny*, University of Glasgow; *'Scream if you want to go faster!' - Materiality, Memory and Heritage at work in Scotland's travelling fairgrounds.*

3:25 Heike Alberts*, University of Wisconsin-Oshkosh; John Cross, University of Wisconsin-Oshkosh; *Barn Quilts in Wisconsin*

3:45 Kenneth Madsen*, The Ohio State University; *Up Close with the Material Culture of U.S.-Mexico Border Barriers*

4:05 Shelby Ward*, Virginia Polytechnic Institute and State University; *Mapping the Culture(s) of Sri Lankan Tourism: a cosmopolitan-capitalist value of culture in tourist topographies*

4:25 Jeffrey Hamerlinck*, University of Wyoming; Claudia Baldwin, University of the Sunshine Coast; *Signs of the Landscape: Art as Protest, Protest as Art*

Friday-087-3:05 p.m. Risk Communication and Resilience - II (Sponsored by Hazards, Risks, and Disasters Specialty Group, Media and Communication Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Bandana Kar, Oak Ridge National Laboratory; David Cochran, University of Southern Mississippi; Xiaohui Liu, Dalhousie University

CHAIR: Bandana Kar, Oak Ridge National Laboratory

3:05 Lawrence Hamilton*, University of New Hampshire; *Physical-World Knowledge and Public Views on Climate Change*

3:25 Dapeng Li*, Department of Geography, South Dakota State University; Thomas J Cova, Department of Geography, University of Utah; Philip E Dennison, Department of Geography, University of Utah; *Coupling fire and traffic simulation models to set wildfire evacuation triggers*

FRIDAY April 5 • 3:05 PM - 4:45 PM

3:45 Kimberly Klockow-McClain*, Cooperative Institute for Mesoscale Meteorological Studies; *Communicating Forecast Uncertainty for Lower-Numeracy Populations*

4:05 Chris S Renschler*, University at Buffalo (SUNY); Michael Gates, Emergency Management, Seneca Nation of Indians; *PEOPLES & NATIVES: Designing Integrated Research, Teaching and Outreach Activities in Geography to Better Communicate Hazard Risks, Environmental Management and Sustainable Development*

Friday-088-3:05 p.m. Critically Assessing Whiteness in Environmental (In)justice (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Rebekah Breitzer, CUNY - Graduate Center

CHAIR: Rebekah Breitzer, CUNY - Graduate Center

Introduction(s): Rebekah Breitzer, CUNY - Graduate Center

Panelist(s): Ileana Diaz, University of Waterloo; Robert Foran; Linda Quiquix; Evan Weissman, Assistant Professor of Food Studies, Syracuse University

Discussant(s): Rebekah Breitzer, CUNY - Graduate Center

Friday-089-3:05 p.m. 1. Population Specialty Group: Emerging scholars (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dylan Connor, Arizona State University

CHAIR: Dylan Connor, Arizona State University

3:05 Flavia Maria Lake*, UCLA; *A Multi-Measure Approach: The Geography of Latino Immigrant Economic Outcomes*

3:25 Lee Fiorio*, University of Washington; Mark Ellis, University of Washington; Thomas Brad Foster, United States Census Bureau; *Immobility and Repeat Migration in the U.S.: Evidence from Linked IRS and Census Survey Records*

3:45 Maximilian Stiefel*, University of California; Ethan Sharygin, PhD, Demographic Research Unit, State of California; *Acute air pollution and maternal and neonatal health: a case study of California wildfires*

4:05 Eric Seymour*, Brown University; Rachel Franklin, Newcastle University; *The myth of the one dollar house: Differential drivers of cost burden in growing and shrinking U.S. places*

4:25 Discussant(s) Fernando Riosmena, University of Colorado at Boulder

Friday-090-3:05 p.m. The Ethnic Geography Specialty Group Honors Dr. Heather Smith with the Distinguished Scholar Award: (De)Constructing my Geographic Knowledge: Reflections from a conflicted and still evolving scholar (Sponsored by Ethnic Geography Specialty Group)

Room: Congressional A, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Edris Montalvo, Cameron University

CHAIR: Carlos Teixeira, University of British Columbia Okanagan

Panelist(s): Heather Smith, Professor, University of North Carolina at Charlotte; Wei Li, Professor, Arizona State University; Emily Skop, Professor and Chair, The University Of Colorado At Colorado Springs; Marie Price, Professor, George Washington University; Johanna Schuch, University of North Carolina - Charlotte

Friday-091-3:05 p.m. Symposium on Human Dynamics

Research in the Age of Smart/Intelligent Systems: Panel Session of What Does 'Space' Mean in GIScience? (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Congressional B, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Shih-Lung Shaw, University of Tennessee; Daniel Sui, University of Arkansas

CHAIR: Daniel Sui, University of Arkansas

Panelist(s): Clio Andris; Luke Bergmann, Associate Professor, University of British Columbia; May Yuan, Ashbel Smith Professor, University of Texas - Dallas

Discussant(s): Shih-Lung Shaw, Professor, University of Tennessee; Barney Warf, Professor, University of Kansas

Friday-092-3:05 p.m. Evolving Geographies of Manufacturing in Advanced Economies II (Sponsored by Economic Geography Specialty Group)

Room: Empire Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Emil Evenhuis, Geography and Environmental Science; PETER SUNLEY, Southampton University; Andy Pike, Newcastle University

CHAIR: Emil Evenhuis, Geography and Environmental Science

3:05 Introduction(s): Emil Evenhuis, Dr., Geography and Environmental Science

3:25 Kevin Baker*, Miami University; *The Rusted Steel that Binds: How craft producers in Pittsburgh form neolocal economies*

3:45 H Richard Nakamura*, Centre for International Business Studies, University of Gothenburg; Robert Wentrup, Centre for International Business Studies, University of Gothenburg; Ramsin Yakob, Centre for International Business Studies, University of Gothenburg; *Blockchain technologies in international trade geographies*

4:05 Jennifer Johns*, University of Bristol; *Additive Manufacturing (3D printing) in the UK and Germany: spatial dynamics and policy initiatives*

4:25 Jacopo Canello*, University of Groningen; Nicoletta Giudice, No affiliation; *Production relocation and suppliers resilience in the Italian manufacturing industry: does upgrading help to survive structural shocks?*

Friday-093-3:05 p.m. New Generation GIS

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Yun Li, George Mason University

CHAIR: Yun Li, George Mason University

FRIDAY, April 5 • 3:05 PM - 4:45 PM**Friday-094-3:05 p.m. Towards a Political Ecology of Ambiances/Atmospheres II**

Room: Regency Ballroom, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Damien Masson, Université de Cergy-Pontoise.

Laboratoire MRTE; Rachel THOMAS BOUCHON, CRESSON UMR CNRS/MCC/ECN 1563

CHAIR: Rachel THOMAS BOUCHON, CRESSON UMR CNRS/MCC/ECN 1563

3:05 Asya Natapov*, UCL Centre for Advanced Spatial Analysis; Helena Grinshpun, Faculty of Humanities, The Hebrew University of Jerusalem; *Hidden in the most visible place: Measuring visual accessibility and social performance of urban kiosks*

3:25 Valérie Lavaud-Letilleul*, University of Montpellier 3; Isabelle Berry-Chikhaoui, University of Montpellier 3; *From « Likes and dislikes » to « Just and unjust »: Inhabitants' sensory experiences and community protests in maritime industrial areas*

3:45 Aftab Mirzaei*, York University; *What exactly happens when a space becomes smart? OR: What can we learn from the experience and feeling of envelopment in an intelligent space? And what of the "dumb" space?*

4:05 Perrine Poupin*, EHES; *Street ambiance, protest and political experiences in Kiev, Ukraine*

4:25 Francois-Joseph Daniel*, *Hostile atmospheres, qualisigns and the delicate construction of a dialogue of affects*

development: the possibility of 'northern' alternative financial experiments

3:25 Georgia Hartman*, *"The Gordian Knot is Cut!": The Promise of Fintech and the Politics of Financial Infrastructures*

3:45 Sophie Webber*, University of Sydney; Patrick Bigger, Lancaster Environment Centre Lancaster University; *Green Structural Adjustment in the World Bank's climate city*

4:05 Anitra Baliga*, London School of Economics; *Financialisation of local practices, or the localisation of finance processes?: How real estate developers finance large-scale slum redevelopment in Mumbai*

4:25 T. Louise Brennan*, The Climate & Atmospheric Sciences Institute (CASI); *Adaptation and development finance: Past, present and future*

Friday-098-3:05 p.m. A Conversation on Atlanta, Georgia (Sponsored by Black Geographies Specialty Group)

Room: Embassy Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA; Akira Rodriguez, PennDesign

CHAIR: Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA

Panelist(s): Akira Rodriguez, Postdoctoral Fellow of Academic Diversity, PennDesign; Kerrie Williams, District of Columbia Public Library; Akil Houston, Ohio University

Friday-095-3:05 p.m. Social Infrastructures and the Public Life of Cities: Materialities, Institutions, and Practices (Session 4)

Room: Blue Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jack Layton, University College London; Alan Latham, University College London

CHAIR: Jack Layton, University College London

3:05 Pablo Sendra*, University College London; *Assemblages of community activism in North Kensington, West London*

3:25 Lindsay K. Campbell*, PhD, USDA Forest Service, Northern Research Station; Michelle Johnson, PhD, USDA Forest Service, Northern Research Station; Erika Svendsen, PhD, USDA Forest Service, Northern Research Station; *Environmental stewardship as the nexus between green infrastructure and social infrastructure*

3:45 Jennifer Porter*, University of Washington; *Constructing social infrastructure: infrastructure's role in inter-generational political learning*

4:05 Valentin Meilinger*, Utrecht University; *Aesthetics of Efficiency: Pipes, Plants and Good Citizens in Los Angeles's Gardens*

4:25 David Prytherch*, Miami University; *The (Block-by-Block) Fight for a More Just and Livable American Street*

Friday-099-3:05 p.m. Labour Regimes and Global Systems of Production and Reproduction II (Sponsored by Economic Geography Specialty Group)

Room: Hampton Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Adrian Smith, Queen Mary, University of London; Liam Campling, Queen Mary University of London

CHAIR: Liam Campling, Queen Mary University of London

3:05 Adrian Smith*, Queen Mary, University of London; *The State, Labour Mobility and the Geographical Transfer of Labour Regimes*

3:25 He Wang*, City University of Hong Kong; *Understanding Local Labor Regime: ICT Skilled Migration from Mainland China to Hong Kong*

3:45 Helene Pellerin*, University of Ottawa; *Breaking Open the Migration-Development Nexus: The Role of Migrants in Labor Regimes and Global Production Networks*

4:05 Jonathan Pattenden*, University of East Anglia; *The Politics of Classes of Labour in Asia and Latin America: Reproduction Zones and Collective Action*

4:25 Jonathan Jones*, Queen Mary University of London; *The Labour of Logistics: Dockworker organising across scales and networks*

Friday-100-3:05 p.m. Author Meets Critics: Kenneth Olwig's The Meaning of Landscape (Sponsored by History of Geography Specialty Group)

Room: Calvert Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Kent Mathewson, Louisiana State University

CHAIR: Kent Mathewson, Louisiana State University

Introduction(s): Kent Mathewson, Fred B. Kniffen Professor, Louisiana State University

Friday-097-3:05 p.m. Finance for Development 4

Room: Capital Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Adam Dixon, Maastricht University; Ilias Alami, Maastricht University; Emma Mawdsley, University of Cambridge

CHAIR: Ilias Alami, Maastricht University

3:05 Michael Samers*, University Of Kentucky; *Questioning the role of the 'Fin-tech revolution' in African*

FRIDAY April 5 • 3:05 PM - 4:45 PM

Panelist(s): Tim Waterman, University of Greenwich;
Theano Terkenli, Associate Professor, University
of the Aegean; Michael Jones, Professor Emeritus,
Norwegian University of Science and Technology;
Tom Mels, Uppsala University

Discussant(s): Claudio Minca, Prof, Macquarie University;
Kenneth Olwig, Professor Emeritus, Swedish
University of Agricultural Sciences, Alnarp

Friday-101-3:05 p.m. Critical Theory from the South:

Everyday Politics & Southern Feminism IV

Room: Governor's Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Susmita Rishi, Kansas State University; Amy Piedalue,
Australia India Institute

CHAIR: Susmita Rishi, Kansas State University

Panelist(s): Danielle Rivera, Assistant Professor of
Environmental Design, University of Colorado,
Boulder; Nicholas Padilla, Instructor, Western
Michigan University; BIKRAMADITYA
CHOUDHARY, Jawaharlal Nehru University

Discussant(s): A. Marie Ranjbar, Ohio State University;
Jennifer Tucker, Assistant Professor, University of
New Mexico; LaToya Eaves, Middle Tennessee State
University

Introduction(s): Zahra Khalid, University of California -
Berkeley

Friday-102-3:05 p.m. Movement in Indigenous and Settler Geographies 2

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Laura Barraclough, Yale University; Genevieve Carpio,
UCLA

CHAIR: Laura Barraclough, Yale University

3:05 Brennan McDaniel*, Columbia University; *Migration,
Indigeneity, and Belonging in Appalachian Mixed-Race
Communities Today*

3:25 Hector Peralta*, Yale University; *Tribal Capitalism and
Mobile Human Geographies of San Diego*

3:45 Mimi Sheller*, Drexel University; *Slow Food in
Transnational Indigenous Networks: From settler-
colonial food regimes to native food justice movements
in Downeast Maine and the Greater Antilles*

4:05 Kate Berry*, University of Nevada, Reno; Teresa Cavazos
Cohn, University of Idaho; Autumn Harry, University
of Nevada, Reno; Sierra High Eagle, University of
Idaho; *Nez Perce and Pyramid Lake Paiute Water
Quality Governance*

4:25 **Discussant(s):** Natchee Barnd, Associate Professor,
Ethnic Studies and Native American Studies, Oregon
State University

Friday-103-3:05 p.m. Health as "Fix": Geographies of the Biopolitical in Settler- and Post-Colonies I

Room: President's Boardroom, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Erin Torkelson, University of California Berkeley;
Stephen McIsaac, University of California - Berkeley

CHAIR: Stephen McIsaac, University of California - Berkeley

3:05 Naya Jones*, Instructor & Postdoctoral Fellow, Medical
College of Wisconsin; *Mobilizing Black Trauma:
Spatial Openings and Closings*

3:25 Maryani Palupy Rasidjan*, University of California, San
Francisco; *The Biopolitics of Gendered 'Blackness':
Transnational Perspectives on Women, Race, and
Health*

3:45 Meredith Palmer*, UC Berkeley; *Medicalizing
"Indianness" and articulating health in
Haudenosaunee country*

4:05 Stephen McIsaac*, University of California - Berkeley;
*Race, Space, and the Individual Subject of Care in
South Africa*

4:25 Erin Torkelson*, University of California Berkeley; *Collateral
Damages: Debt and Social Welfare in South Africa*

FRIDAY April 5 • 2:00 PM - 4:30 PM

Friday-200-3:05 p.m. F3_7 Esri Talk and Nature Walk

(Sponsored by Esri)

Room: Field Trip Departure Location (Field Trip)

Time: 2:00 p.m. - 4:30 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

FRIDAY April 5 • 5:00 PM - 6:40 PM

Friday-001-5:00 p.m. Placing Maintenance and Repair in Economic, Labor and Feminist Geographies (Sponsored by Economic Geography Specialty Group)

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Andrew Warren, University of Wollongong, Australia; Chris Gibson, University of Wollongong; Chantel Carr, School of Geography and Sustainable Communities

CHAIR: Andrew Warren, University of Wollongong, Australia

5:00 Ignaz Strebel*, Moritz F. Fürst, MF, University of Lausanne; Alain Bovet, AN, University of Lausanne and HEG - Haute école de gestion Arc, University of Applied Science Western Switzerland; *Infrastructural workplaces in transition*

5:20 Ingrid Behrsin*, University of California, Davis; *The 'Right to Repair' Movement: Reorganizing control over knowledge in US industrial and information economies*

5:40 Chantel Carr*, University of Wollongong; *Repair and maintenance and the de-skilling thesis*

6:00 Andrew Warren*, University of Wollongong, Australia; *A GPE of maintenance and repair: analysing Australia's 'after-market' automotive industry*

6:20 Discussant(s): Chris Gibson, Professor in Human Geography, University of Wollongong

Friday-004-5:00 p.m. Landscapes and Geographies of Religion

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Dominic Wilkins, Syracuse University

5:00 Laura Hobgood*, *The Sacred Geography of Cycling*

5:20 Foster Frempong*, Kwame Nkrumah University of Science and Technology; *Ethics, Religion and Cultural Practices in Hotels in Ashanti Region of Ghana*

5:40 Nathan Burtch*, George Mason University; *Web scraping and the geographical analysis of African-American Seventh-day Adventist churches*

6:00 Jennifer Rahn*, Associate Professor, Samford University; *Evangelical Christian Uses of Geotechnologies at the Advent of the 21st Century*

6:20 Dominic Wilkins*, Syracuse University; *Difficulties with Creating an Ecological Catholic Church: The Diocese of Syracuse*

Friday-005-5:00 p.m. Working Smarter Not Harder — The Mysteries of Publishing Unravelling by Regional Studies Association Editors (Sponsored by Economic Geography Specialty Group, Careers and Professional Development, Routledge, Taylor & Francis Group)

Room: Maryland B, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; David Bailey, Aston University; Jennifer Clark, Georgia Institute of Technology

CHAIR: David Bailey, Aston University

Introduction(s): David Bailey, Aston University

Panelist(s): Ben Derudder, Ghent University; Lisa De Propriis, University of Birmingham UK; Mia Bennett; Michael Dunford, Professor of Economic Geography, University of Sussex; Weidong Liu, Chinese Academy of Sciences; Thomas Kemeny, Queen Mary University of London; Raquel ARGILES, The University of Birmingham; Maano Ramutsindela

Friday-006-5:00 p.m. Geographies of Entrepreneurship and Creativity (Sponsored by Economic Geography Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Keith Debbage, University of North Carolina at Greensboro

CHAIR: Keith Debbage, University of North Carolina At Greensboro

5:00 Joshua Drucker*, University of Illinois At Chicago; Carla Maria Kayanan, University of Michigan; Henry Renski, University of Massachusetts; *Innovation Districts: For What and For Whom?*

5:20 Michael McCarthy*, Utica College; *Creativity by Megapolitan and Non-Megapolitan County*

5:40 Nicole Bignal*, University of North Carolina At Greensboro; Keith Debbage, University of North Carolina at Greensboro; *Geography of Entrepreneurship: Non-Farm Proprietorship Employment by US County*

6:00 Sameeksha Desai, Indiana University; Haifeng Qian*, University of Iowa; *The economic geography of opportunities: entrepreneurial environment and intergenerational mobility in U.S. cities*

6:20 Discussant(s): Keith Debbage, Dr., University of North Carolina At Greensboro

FRIDAY April 5 • 5:00 PM - 6:40 PM

Friday-007-5:00 p.m. Molecular Revolutions: Between Thought and Desire

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Nina Williams; Joe Gerlach, University of Bristol; Andrew Lapworth, University of Bristol

CHAIR: Thomas Jellis, University of Oxford

5:00 Joe Gerlach*, University of Bristol; Nina Williams*, University of Bristol; Andrew Lapworth, University of Bristol; Thomas Jellis, University of Oxford; *Assaying Molecular Thresholds*

5:20 Theo Parker*, University of Bristol; *Deleuze and Guattari's geophilosophy; contingency and the molecular intensification of thought*

5:40 Eugenia Carlot De La Herran Iriarte*, UNSW Canberra ADFA; *A colouring revolution? A Deluezeian encounter with Katharina Grosse's abstract landscapes of sensation*

6:00 Oliver Dawson*, University of Bristol; *Poetry as Molecular Disobedience*

6:20 James Ash*, Newcastle University; *Molecular Subjects? On change, form and the spatiality of difference*

Friday-008-5:00 p.m. Working the Archives: Methodological Challenges of Doing Historical Research in Geography 3 (Sponsored by Qualitative Research Specialty Group, Historical Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Christian Siener, CUNY Graduate Center; Monica Varsanyi, CUNY - Graduate Center

CHAIR: Briony McDonagh, University of Hull, UK

5:00 Manuel Mendez*, Université de Rennes 2; *Entanglements of space and time in mining territories of Northern Chile. Theoretical and methodological approaches in the study of water conflicts under the nitrate mining cycle (1853-1925)*

5:15 Kirsten Greer*, Nipissing University; Cary Mock*, University of South Carolina; Adam Csank, University of Nevada, Reno; Victoria Slonosky, Canadian Historical Data Rescue, McGill University; Simon Naylor, University of Glasgow; *Historical Geographies of Extreme Weather Events: Using the Archives to Retrace the 1839 Hurricane in the British North Atlantic*

5:30 Rod Neumann*, Florida International University; *Historical Political Ecology Meets Posthuman Political Ecology in the Archive*

5:45 Gregory Knapp*, Associate Professor, University of Texas - Austin; *Trajectories of Personal Archiving: Discovering, Preserving, and Making Available Diverse Data Resources in Faculty Research*

6:00 Richard Schein*, Professor and Associate Dean, University Of Kentucky; *Landscape as Archive*

Friday-009-5:00 p.m. Emerging Scholars in Health and Medical Geography (Sponsored by Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Kirsten Beyer, Medical College of Wisconsin; Chetan Tiwari, University of North Texas

CHAIR: Kirsten Beyer, Medical College of Wisconsin

5:00 Amber Pearson*, Asst Professor, Michigan State University; Rachel Buxton, Colorado State University; Claudia Allou, Michigan State University; *Healthy urban soundscapes? Initial exploration of natural sounds and stress in Detroit*

5:30 Margaret Carrel*, University of Iowa; *Mapping MRSA: Using geography to understand drug resistant S. aureus in humans and livestock*

Friday-010-5:00 p.m. Historical GIS (HGIS): Approaches and Methodologies for Digital Humanities

Room: Delaware A, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Motti Zohar; Jane Zheng; Peiyao Zhang

CHAIR: Motti Zohar

5:00 Antonio Barocci*, University of Connecticut; *Masculine dictatorship. A spatial and gender analysis of the fascist repression in Italy, 1922-1928*

5:20 Hui Lin*, The Chinese University of Hong Kong; Jane Zheng, Ph.D., Chinese University of Hong Kong; Peiyao Zhang, Ph.D., Lyon University; Zhen Fan, Ph.D. candidate, Fudan University; Yuesang Leung, Ph.D., Chinese University of Hong Kong; *The Formation and Transformation of the Modern Urban Art Scene in Shanghai: A Historical GIS Approach, 1912-1948*

5:40 Peiyao Zhang*, ning Bao, The Institute for the History of Natural Sciences, Chinese Academy of Sciences, Beijing, China; Kai Cao, National University of Singapore, Singapore; *A Review on the Current Progress in Chinese Historical GIS Research*

6:00 Motti Zohar*, *HGIS for evaluating routes development in the Negev region (Israel) during the 20th century*

6:20 Kelly Measom*, University of Denver; *Using Historic Maps to Characterize Medieval Field Patterns in the Czech Republic*

Friday-017-5:00 p.m. The Long Wars II: Mapping Liberal Empire through the War on Drugs and the War on Terror (Sponsored by Black Geographies Specialty Group, Urban Geography Specialty Group)

Room: 8211, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Brittany Meché, University of California - Berkeley; Emma Crane, New York University

CHAIR: Brittany Meché, University of California - Berkeley

5:00 Emma Crane*, SCA; *Afterwar at City's Edge*

5:20 **Introduction(s)**: Brittany Meché, University of California - Berkeley

5:25 **Discussant(s)**: Marisol Lebron, University of Texas - Austin

5:40 Richard Nisa*, Fairleigh Dickinson University; *Empire's Classrooms: Care, Violence, and Curricula in the Carceral Spaces of America's Long War*

6:00 Wesley Attewell*, The University of Toronto; Nadine Attewell*, McMaster University; *"The brighter part of RVN": Picturing household management in occupied South Vietnam*

6:20 Fernando Montero*, Columbia University; *Martial Love:*

FRIDAY April 5 • 5:00 PM - 6:40 PM

*Parasitic Regulation in the Moskitia's War on Drugs
(Nicaragua/Honduras)*

Friday-018-5:00 p.m. Urban Climates: Power, Development and Environment in South Asia (Sponsored by Socialist and Critical Geography Specialty Group, Asian Geography Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Aparna Parikh, Dartmouth College; Nida Rehman, University of Cambridge

CHAIR: Nida Rehman, University of Cambridge

Discussant(s): Nida Rehman, University of Cambridge

Panelist(s): Nausheen Anwar, Dr, Social Sciences, IBA; Waqas Butt, Professor, University of Toronto Scarborough; Yaffa Truelove, Assistant Professor, University of Colorado; Susmita Rishi, Instructor, Kansas State University; Siddharth Menon, – Year –, Maan Barua, Mr, University of Oxford

Friday-019-5:00 p.m. Author Meets Critics: The Geopolitics of Spectacle: Space, Synecdoche, and the New Capitals of Asia (Natalie Koch, 2018) (Sponsored by Eurasian Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Shaun Lin, National University Of Singapore; Edward Holland, University of Arkansas

CHAIR: James Sidaway, National University of Singapore

Discussant(s): Prerona Das, The National University of Singapore; Banu Gokariksel, Associate Professor, University of North Carolina, Chapel Hill; Sara Hughes, Dr., University of Southern California; Robina Mohammad, Dr, National University of Singapore; Alexander Murphy, Professor, University of Oregon; AbdouMaliq Simone; Gerard Toal, Virginia Tech; Natalie Koch, Associate Professor, Syracuse University

Introduction(s): James Sidaway, National University of Singapore

Friday-020-5:00 p.m. Using Remote Sensing Approach Investigating Land Use and Regional Development of China (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group, China Specialty Group)

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jennifer Pomeroy, York College of Pennsylvania

CHAIR: JIREN ZHU, Huazhong University of Science and Technology

5:00 Fengshou Li*, Lin Liu, School of Geographic Sciences, Guangzhou University; Department of Geography and Geographic Information Science, University of Cincinnati; Hongxing Liu, Department of Geography and Geographic Information Science, University of Cincinnati; Department of Geography, the University of Alabama; Kai Liu, School of Geography and Planning, Sun Yat-Sen University; Huanli Tang, Guangzhou Zengcheng District Urban and Rural Planning and Surveying and Mapping Geographic Information Institute; *Analyzing Trends of Dike-Ponds between 1978 and 2016 Using Multi-Source Remote Sensing Images in Shunde District of South China*

5:20 Yingying Mei*, Department of Sociology, Wuhan University; Jiayi Li, School of Remote Sensing and Information Engineering, Wuhan University; Xin Huang, School of Remote Sensing and Information Engineering, Wuhan University; *China daily 1km surface ozone concentration estimation using remote sensing high spatial-temporal processing*

5:40 Wan Li*, BinDong Sun, East China Normal University; *Economic performance of spatial structure in Chinese prefecture regions: Evidence from night-time satellite imagery*

6:00 JIREN ZHU*, Huazhong University of Science and Technology; Yong Tu, National University of Singapore; Yan Guo, Wuhan University; *Analyzing the institution-driven urban sprawl in Chinese metropolises: evidence from Wuhan*

Friday-021-5:00 p.m. Coupled Human and Natural Systems (Sponsored by Rural Geography Specialty Group)

Room: 8218, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Hualou Long, Institute of Geographic Sciences and Natural Resources Research, CAS

5:00 Sandeep Kandikuppa*, 1983; *Indebtedness and Class: A Case Study from Rural Andhra Pradesh*

5:20 Gary Hennigh*, City of King Cove; *Celebrating Sixty Years of Statehood with Some Geographical Comparisons and Contrasts of America's Two Pacific Frontier States*

5:40 Jesse Ayivor*, Johnnie Kodjo Nyametso, PhD, Central University, Ghana; Sandra Ayivor, Ed.S, University of West Florida, Pensacola, FL, USA; *Perceptions and Attitudes of Fringe Communities in Protected Area Management in Ghana*

6:00 Brendan Hoover*, University of Texas, Austin and Los Alamos National Laboratory; Sean Yaw, Montana State University; Richard Middleton, Los Alamos National Laboratory; *CostMAP: An open-source software package for developing cost surfaces*

6:20 Hualou Long*, Institute of Geographic Sciences and Natural Resources Research, CAS; Yingnan Zhang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Spatial patterns and coordination relations of multiple land use functions in China: Implications for sustainable land management*

Friday-022-5:00 p.m. Agrarian Change in Contemporary China: Observations and Implications (Sponsored by China Specialty Group, Asian Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: 8219, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Gregory Veeck, Western Michigan University; Wenjing Jiang, Clark University

CHAIR: Gregory Veeck, Western Michigan University

5:00 Discussant(s): Clifton Pannell, Professor & Associate Dean, emeritus, University of Georgia

5:20 Gregory Veeck*, Western Michigan University; *Regional shifts in agricultural land use and crop production in China: an empirical redesign of China's agricultural regions*

FRIDAY April 5 • 5:00 PM - 6:40 PM

5:40 Erik Breidinger*, Western Michigan University; *The use of high and medium resolution imagery to detect agricultural land cover in Chinese Cities: A case study of Nanjing-2000 to 2015*

6:00 Shuang Wu*, University of Washington; Daniel Abramson*, University of Washington; *Rural Resilience in the Chengdu Plain: a Multi-scale Perspective*

Friday-023-5:00 p.m. Place-making: Discourses, Practices and Trajectories (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group, Qualitative Research Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Hélène DUCROS

5:00 Brady Collins*, Cal Poly Pomona; *When Empowerment Marginalizes: Place Branding and the Politics of Neighborhood Organizations*

5:20 Troy Glover*, University of Waterloo; *Activism and the Animation of Public Space: Celebration of Skateboard Arts and Culture (CITE) at the Bentway*

5:40 Merryl Goldberg*, California State University At San Marcos; Bennett Cherry, Ph.D, California State University at San Marcos; Rajnandini Pillai, Ph.D, California State University at San Marcos; Ivonne Chand, Ph.D, MUSE Research; *ART=OPPORTUNITY: A City-Wide Research Based Arts Initiative to Advance Economic Development*

6:00 Liv Raddatz*, Bryn Mawr College; *Growing Together in Urban Gardens: Intercultural Gardening Initiatives in Hamburg and Philadelphia*

6:20 Discussant(s): Bidita Tithi, University of California, Davis

Friday-024-5:00 p.m. Displacement by Criminalization: Gangs, Policing, and Carcerality.

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Stefano Bloch, University of Arizona - Geography & Development; Anthony Fontes, American University

CHAIR: Stefano Bloch, University of Arizona - Geography & Development

5:00 Discussant(s): Stefano Bloch, Dr., University of Arizona - Geography & Development

5:20 Melissa Tolosa*, *Spatial Struggles of Latino Street Vendors in Los Angeles County*

5:40 Discussant(s): Anthony Fontes, American University

6:00 Dugan Meyer*, University of Arizona - Geography & Development; *Policing, the Blade of Value*

6:20 Discussant(s): Nathaniel Sheets, CUNY Graduate Center

Friday-025-5:00 p.m. Human-Environment Geographies of Wetland Landscapes

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Amelia Eisenhart, University of Texas - Austin

CHAIR: Amelia Eisenhart, University of Texas - Austin

5:00 Amelia Eisenhart*, University of Texas - Austin; Kelley A. Crews, PhD, University of Texas - Austin; *Influence of livelihood-based experiences on perceptions of environmental variability in a wetland landscape*

5:20 Silvia Elena Piovan*, University of Padova; Marco Filippini, University of Padova; Michael Edward Hodgson, University of South Carolina; *A Historical GIS Approach to Document Wetlands Lost in Northeastern Italy*

5:40 Girma Kebede*, Professor, Mount Holyoke College; *Lake Hawassa: An Ecosystem in Peril*

6:00 Rebecca Green*; Giselle Mahung, University of Belize; Sara Peluso, University of Central Florida; Jeremiah-Anthony Righteous Rogers*, Louisiana State University; Karla Santiago Rivera*, University of Puerto Rico in Mayagüez; Timothy Hawthorne, Principle Investigator for UCF Citizen Science GIS REU Assistant Professor of Geographic Information Systems at University of Central Florida; Associate Editor, Journal of Geography; Associate Editor, The International Journal of Applied Geospatial Research, University of Central Florida; Hannah Torres, Post-Doctoral Scholar at University of Central Florida, Co-Mentor, University of Central Florida; Christy Visaggi, Co- Principle Investigator for UCF Citizen Science GIS REU, Georgia State University; *An Investigation of Disaster Preparedness through Community Perceptions in Hopkins, Belize*

6:20 Matthew Clark*, Vicken Hillis, PhD, Boise State University; *Network Governance of Natural Resources: Making collaboration count*

Friday-026-5:00 p.m. Urgent Issues in Ethnic Geography III (Sponsored by Ethnic Geography Specialty Group, Graduate Student Affinity Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): John Ponstingel, Texas State University; Yining Tan

CHAIR: Eugene Tettey-Fio, SUNY-Binghamton

5:00 Yu Huang*, Beijing Normal University; Ning An, Guangzhou University; Yuejing Ge, Beijing Normal University; *Reading China's self-definition of international politics from intergovernmental conferences*

5:20 Angeline Johnson*, University of Toledo; *Affluent Minority Home Ownership Patterns in the Charlotte-Concord-Gastonia, NC-SC Metropolitan Statistical Area (MSA)... A Question of Location as a Function of Race or of Household Income?*

5:40 José Díaz-Garayúa*, California State University - Stanislaus; Brenda L Ortiz Loyola, California State University, Stanislaus; *La Monoestrellada and the Display of Identity Politics in Puerto Rico: Cultural Activism and Placemaking in "78 Pueblos y 1 Bandera"*

6:00 Eri Kitada*, +; *Intimate Encounter of (Il)legible Subjects and Empires in a "Frontier" Space: Settler Colonialism in the Northern Luzon in the US Colonial Philippines*

FRIDAY, April 5 • 5:00 PM - 6:40 PM

Friday-027-5:00 p.m. Eastern Africa: Geographic

Approaches to Human and Human-Environment Relationships (III) (Sponsored by Africa Specialty Group, Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jessica Marter-Kenyon, University of Georgia; Justin Mullikin, Rutgers University

CHAIR: Jessica Marter-Kenyon, University of Georgia

5:00 Timothy Baird*, Virginia Tech; Emily Woodhouse, University College London; J. Terrence McCabe, University of Colorado, Boulder; *Mobile phones and shifting Maasai social networks in northern Tanzania*

5:20 Kelly Summers*; Timothy Baird, Virginia Tech; Emily Woodhouse, University College London; J. Terrence McCabe, University of Colorado, Boulder; Maria Elisa Christie, Virginia Tech; *Mobile phones, social relations, and the gatekeepers to gender equality in Maasai households*

5:40 Britta Schumacher*, University of California; Susan Cassels, Associate Professor, UCSB; Stuart Sweeney, Professor, UCSB; Larry Gorenflo, Professor, Penn State University; David Cleveland, Research Professor, UCSB; Mohamed Kambi, Penn State University (Udzungwa Ecological Monitoring Center, Tanzania); *Farmers' perceptions of environmental change in the Udzungwa adjacent households of Mang'ula A, Magombera and Msosa Villages of south-central Tanzania*

6:00 Victoria Breeze*, Michigan State University; Nathan Moore, PhD, Michigan State University; *Can we model China-Africa agricultural ties?*

6:20 Devon Hsiao*, University of Texas - Austin; *People-to-people interactions in China-Africa relations: a case study of Kampala, Uganda*

Friday-028-5:00 p.m. Politics, Protests, and Poverty

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Peter Walker, University Of Oregon

5:00 Miguel Contreras*, Prof., Universidad de Chile; *Space and Social Mobilizations in Chile: Producing Mobilized Territories*

5:20 Kafui Attah*, CUNY School of Labor and Urban Studies; *The Eagle has Landed, Amilcar Cabral and the Moon*

5:40 JULIE OSAYANDE ENOMA*, *Reliefs for Poverty: A Nigeria Experience*

6:00 Amir Khaghani*, Florida International University; *Understanding spatial Waqf through Bourdieu's symbolic capital*

6:20 Peter Walker*, University Of Oregon; *Sagebrush Collaboration: The Malheur Refuge Takeover, Anti-Federal Militancy, and the Future of Federal Public Lands*

Friday-031-5:00 p.m. Digital Geographies Keynote Panel (Sponsored by Digital Geographies Specialty Group)

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Will Payne, University of California - Berkeley; Emma Slager, University of Washington; Matthew Zook, University of Kentucky

CHAIR: Will Payne, University of California - Berkeley

Introduction(s): Will Payne, University of California - Berkeley

Panelist(s): Melissa Gilbert, Temple University; Brian Jordan Jefferson, Assistant Professor, University of Illinois Urbana Champaign

Discussant(s): Agnieszka Leszczynski, Dr., Western University; Jack Gieseking, Assistant Professor of Geography, University of Kentucky; Emma Slager, University of Washington

Friday-032-5:00 p.m. Finding Forms of Democratic Environmental Agency During a Neoliberal and Authoritarian Age (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Eve Vogel, University of Massachusetts - Amherst; Afton Clarke-Sather, University of Minnesota Duluth

CHAIR: Afton Clarke-Sather, University of Minnesota Duluth

5:00 Peter Klein*, Bard College; Heather Randell*, University of Maryland School of Public Health; *Countering Internal Colonialism: Hydropower Development, Collective Action, and Environmental Justice in the Brazilian Amazon*

5:20 Eve Vogel*, Associate Professor, University of Massachusetts - Amherst; Stephen Hayes*, BA 2019, University of Massachusetts - Amherst; Emily Chang*, BA 2018, Mt Holyoke College; Joshua Nolan*, MRP 2021, University of Massachusetts - Amherst; *Democracy and policy after electric neoliberalization: From Quebec to Massachusetts*

5:40 Michael Bacon*, University of Virginia; *Opening alternative economic and social outcomes through community land ownership in Scotland*

6:00 Afton Clarke-Sather*, University of Minnesota Duluth; *Deliberative Democracy Derailed?: Scale, State Power, and Public Participation in Minnesota's Bonanza Valley Groundwater Management Area*

6:20 Discussant(s): Afton Clarke-Sather, Assistant Professor, University of Minnesota Duluth

Friday-033-5:00 p.m. Symposium on Frontiers in Geospatial Data Science: CyberGIS and Geospatial Data Science Curriculum

Room: Roosevelt 3, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dandong Yin, University of Illinois

CHAIR: Shaowen Wang, University of Illinois at Urbana-Champaign

FRIDAY April 5 • 5:00 PM - 6:40 PM**Friday-033.5-5:00 p.m. River Observations, Monitoring, and Management (Sponsored by Geographic Information Science and Systems Specialty Group, Geomorphology Specialty Group, Water Resources Specialty Group)**

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Adriana Martinez, Southern Illinois University -Edwardsville; James Dietrich, University of Northern Iowa

CHAIR: Suzanne Walther, University of San Diego

5:00 Mark Fonstad*, University of Oregon; Aaron Zettler-Mann, University of Oregon; *Virtual Gravel Counting for Full River Surveys***5:05** Seth Kannarr*, *Particle Size Analysis on Sediment Samples from the Tijuana River Estuary***5:10** Adriana Martinez*, Assistant Professor, Southern Illinois University -Edwardsville; *The Hydrological Impacts of the U.S.- Mexico Border Fence along the Rio Grande River, Texas***5:15** G. Rebecca Dobbs*, PhD, NC State University/USDA Forest Service; Peter V. Caldwell, PhD, USDA Forest Service; Chelcy Ford Miniat, PhD, USDA Forest Service; Stacy A.C. Nelson, PhD, North Carolina State University; Ge Sun, PhD, USDA Forest Service; Kai Duan, PhD, Sun Yat-Sen University, PRChina; *Hydrologic modeling and inter-basin surface water transfers: building a comprehensive IBT geodatabase for the conterminous United States***5:20** Guisel Marmolejo*, Southern Illinois University -Edwardsville; *Logjam Influences on Channel Morphology in a Midwestern Agricultural Watershed: Upper Silver Creek, IL***5:25** Patricia McDowell*, University of Oregon; *Monitoring river restoration effectiveness: How effective is the monitoring?***5:30** Beverley Wemple*, Gund Institute & Department of Geography, University of Vermont; Nitin Singh, Gund Institute & Rubenstein School of Environment and Natural Resources, University of Vermont; Jesse D. Gourevitch, Gund Institute & Rubenstein School of Environment and Natural Resources, University of Vermont; Keri B. Watson, Earth and Environmental Systems, University of The South, Seawee, TN; Donna M. Rizzo, Gund Institute & Department of Civil and Engineering, University of Vermont; Taylor Ricketts, Gund Institute & Rubenstein School of Environment and Natural Resources, University of Vermont; *A framework for spatial optimization of watershed restoration to improve water quality***5:35** Valérie Plante Lévesque*, Institut national de la recherche scientifique - Centre Eau Terre Environnement; Yves Gauthier, Institut national de la recherche scientifique - Centre Eau Terre Environnement; Simon Tolszchuk-Leclerc, Emergency Geomatics Service (EGS) of the Canada Centre for Mapping and Earth Observation, Natural Resources Canada; Karem Chokmani, Institut national de la recherche scientifique - Centre Eau Terre Environnement; *Collaborative River Ice Monitoring: Ensemble Based Decision Making and Citizen Science in River Ice Jams Risk Management***5:40** Susan A. Borchardt, University of Wisconsin-Milwaukee; Woonup Choi*, University of Wisconsin-Milwaukee; *Effects of Groundwater Divides, Aquifer Types, and High-capacity Wells on Baseflow across Wisconsin***5:45** Martin Roberge*, Towson University; *Measuring wave celerity in the West Branch of the Susquehanna River using cross-correlation of stage data for adjacent stream gages***Friday-034-5:00 p.m. Geographies of Memory: Textures, Debates, and Discourses (Sponsored by Cultural Geography Specialty Group, Study of the American South Specialty Group)**

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Matthew Cook, Eastern Michigan University

CHAIR: Laura Pangallozzi, Binghamton University

5:00 Hayley Pedrick*, University of New Mexico; *Textures of Transition: Understanding Memorial Spaces in Medellin, Colombia***5:20** Jonathan Leib*, Old Dominion University; *A Tale of Two Cities: Comparing Past and Present Monument Debates in Norfolk and Portsmouth, Virginia***5:40** Ana Sanchez-Rivera*, University of Maryland-College Park; *Discourses of Race and Ethnicity perpetuated through Monuments and Statues in Puerto Rico***6:00** Mahshid Zandi*, University of Toronto; *Spatial Affect and Counter-Memory: the Commemorative Practices of the Iran-Iraq War in its Mnemonic Sites***6:20** Laura Pangallozzi*, Visiting Assistant Professor, Binghamton University; *Remembering White Violence: The Reconstruction of Memory in Suburban New Jersey***Friday-036-5:00 p.m. Political Geography Plenary: Yarimar Bonilla speaks on The Coloniality of Disaster: Race, Empire, and Emergency in Puerto Rico, USA (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Kevin Grove, Florida International University

CHAIR: Kevin Grove, Florida International University

Introduction(s): Kevin Grove, Assistant Professor, Florida International University**Panelist(s):** Yarimar Bonilla, Rutgers University**Discussant(s):** Laura Pulido, Professor, University of Oregon - Eugene, OR; Kevon Rhiney, Assistant Professor, Rutgers University; Gustavo Garcia-Lopez, University of Puerto Rico**Friday-037-5:00 p.m. Bagels and Bytes 2: Geographies of Food in our Precarious Present (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Political Geography Specialty Group)**

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Benjamin Schrager, University of Hawaii at Manoa; Christine Barnes, King's College London

CHAIR: Benjamin Schrager, University of Hawaii at Manoa

5:00 Mylene De Guzman*, University of the Philippines; *Cyberfoodscapes: Instagramming the Ybanag Delicacy, Batil Patung***5:20** Christine Barnes*, Dr. King's College London; *Jamie Oliver and the Spectacular Biopolitics of Eating Sugar*

FRIDAY, April 5 • 5:00 PM - 6:40 PM

5:40 Jennifer Bernstein*, *What's In The Box? Meal Delivery Kits and the Modern Food Landscape*

6:00 Caroline Howe*, UDC; *Mapping the Social, Environmental and Economic Complexity in Food Recovery Pathways Using System Dynamics*

6:20 Discussant(s): Terry Marsden, Cardiff University

Friday-038-5:00 p.m. An Appreciative Author Meets Critics: Reimagining Livelihoods Life beyond Economy, Society, and Environment

Room: Washington 3, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Stephen Healy, Western Sydney University, Institute for Culture and Society

CHAIR: Stephen Healy, Western Sydney University, Institute for Culture and Society

Panelist(s): Katharine Mckinnon, Dr, La Trobe University; Stephen Healy, Senior Research Fellow, Western Sydney University, Institute for Culture and Society; Maliha Safri, Drew University, Madison NJ; Scott Sharpe, Dr, University of New South Wales at Canberra

Discussant(s): Ethan Miller, Bates College

Friday-039-5:00 p.m. Alternatives to Private Landownership 2: Western Perspectives

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Anne Haila, University of Helsinki

CHAIR: Sefer Kahraman, University of Helsinki

5:00 Mika Hyotylainen*, University of Helsinki; *State as a real estate speculator*

5:20 Chaitawat Boonjubun*, University of Helsinki; *Managing Public Premises for Street Food Vending in Helsinki*

5:40 Joseph Pierce*, University of Oklahoma; Richard Kruger, Clark University; Azadeh Hadizadeh Esfahani, Clark University; Olivia Williams, Independent Scholar; James DeFilippis, Rutgers University; Deborah G Martin, Clark University; *How Community Land Trusts expose key consensual fictions of urban property*

6:00 Discussant(s): Kenton Card, PhD Student, University of California - Los Angeles

Friday-040-5:00 p.m. Advancing Critical Climate Change Studies: Intersections of Race, Class, and Gender (Sponsored by Cultural and Political Ecology Specialty Group, Black Geographies Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Washington 5, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dean Hardy, National Socio-Environmental Synthesis Center, University of Maryland; Benjamin Warner, University of New Mexico

CHAIR: Dean Hardy, National Socio-Environmental Synthesis Center, University of Maryland

5:00 Paul O'Keefe*, Rutgers University; *"A dialectical framework for exploring climate change and agrarian change: using Harvey's 'Moments' in rural Tanzania*

5:20 Anna Erwin*, Purdue University; Glenn Arce Larrea, Universidad Nacional de San Agustín de Arequipa; Jonathan Bauchet, Purdue University; Zhao Ma, Purdue University; Ruxandra Popovici, Purdue University; Nelly Ramírez Calderón, Universidad

Nacional de San Agustín de Arequipa; Patricia Salas O'Brien, Universidad Nacional de San Agustín de Arequipa; Laura Zanotti, Purdue University; Eliseo Zeballos, Universidad Nacional de San Agustín; Jorge Zagarra López, Universidad Nacional de San Agustín; *Social-ecological Change and Intersectional Adaptation in Arequipa, Peru*

5:40 A.R. Siders*, JD, PhD, Harvard University; *Social (in) justice in coastal relocation*

6:00 Monica Barra*, Assistant Professor, University of South Carolina; *Inequality, justice, and the politics of making "good" coastal science*

6:20 Discussant(s): Farhana Sultana, Associate Professor, Syracuse University

Friday-041-5:00 p.m. GeoAI and Deep Learning Symposium: Deep Learning of Geospatial Patterns & Applications (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Rui Zhu, University of California - Santa Barbara; Kevin Mwenda, University of California; Guofeng Cao, Texas Tech University

CHAIR: Rui Zhu, University of California - Santa Barbara

5:00 Bo Yan*, University of California, Santa Barbara; Krzysztof Janowicz, University of California, Santa Barbara; Gengchen Mai, University of California, Santa Barbara; Rui Zhu, University of California, Santa Barbara; *xNet+SC: Classifying Places Based on Images by Incorporating Spatial Contexts*

5:20 Di Zhu*, Peking University; Ximeng Cheng, Peking University; Fan Zhang, Massachusetts Institute of Technology; Yong Gao, Peking University; Yu Liu, Peking University; *Spatial interpolation based on conditional generative adversarial neural network*

5:40 Mohammad Eshghi*, University of Oregon; *Machine Learning Predictive Modeling for Geospatial Occurrence-only Data*

6:00 Firoozeh Karimi*, University of north carolina at greensboro; Selima Sultana, University of north carolina at greensboro; *Exploration of Decision Tree Algorithm for Modeling Urban Expansion patterns*

6:20 Karim Malik*, Colin Robertson, Wilfrid Laurier University; *Landscape pattern similarity comparison: the role of texture-encoded convolutional neural networks*

Friday-047-5:00 p.m. The Fourth National Climate Assessment and IPCC Special Report on the Impacts of Global Warming: A Panel Discussion of the Science-public Policy Dimensions of Climate Change Assessments

Room: Balcony A, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Lesley-Ann Dupigny-Giroux, University of Vermont

CHAIR:

Panelist(s): Allyza Lustig; Lesley-Ann Dupigny-Giroux, Professor, University of Vermont; Kirstin Dow, Professor, University of South Carolina; William Solecki, Hunter College; Diana Liverman, Professor, University of Arizona

FRIDAY April 5 • 5:00 PM - 6:40 PM**Friday-048-5:00 p.m. Hazards, Risks, and Disasters 9
(Sponsored by Hazards, Risks, and Disasters
Specialty Group)**

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Naomi Lazarus, California State University - Chico;
Brian Pompeii, Christopher Newport University

CHAIR: Naomi Lazarus, California State University - Chico

5:00 Joseph Tuccillo*, University of Colorado, Boulder;
Seth Spielman, University of Colorado-Boulder;
*Incorporating individual-level information into spatial
hazards vulnerability assessments***5:20** Oronde Drakes*, University of Iowa; *Social Vulnerability
and Individual Assistance***5:40** Sheliza Bhanjee*, University of Louisville; Sumei Zhang,
University of Louisville; *Urban Social Vulnerability
Assessment in Dar es Salaam, Tanzania***6:00** Cristina Muñoz*, PhD Candidate, University of Iowa;
*Social Vulnerability and FEMA Public Assistance***6:20** Samantha Chu*, University of Waterloo; Su-Yin Tan,
University of Waterloo; *Mapping Social Resilience to
Flooding in Vancouver: Understanding the Modifiable
Areal Unit Problem (MAUP)***Friday-049-5:00 p.m. Spatio-Temporal Studies in Land-Use
Land-Cover Change**

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Jonathan Smith, United States Geological Survey

5:00 Pramila Paudyal*, The University of Akron; *Assessment of
Land Cover Change Due to Shale Gas Development in
Harrison County, Ohio***5:20** Zhenyu Jin*, Physical Sciences Department, Dixie State
University; *Landscape change detection using GIS and
Remote Sensing: a study on St. George***5:40** Bill Hegman*, MIDDLEBURY COLLEGE; Peter Howe,
Middlebury College; *Using Historical Aerial Imagery
to Assess Spatio-Temporal Vegetation Changes in New
Hampshire's White Mountain Presidential Range***6:00** Saaruj Khadka*, Kentucky State University; Buddhi
Gyawali, PH.D, Kentucky State University; Tilak
Shrestha, PH.D, Kentucky State University; Jeremy
Sandifer, Kentucky State University; *Land ownership
size, Landscape Diversity and Ecological Productivity
Using Remote Sensing Imagery in Kentucky***6:20** Jonathan Smith*, United States Geological Survey;
*Assessing Land Use Across America: The 2015
National Resource Inventory***Friday-052-5:00 p.m. Progress in Human Geography Lecture**

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Christian Berndt, University of Zurich

CHAIR: Christian Berndt, University of Zurich

5:00 Introduction(s): Christian Berndt, Professor, University
of Zurich**5:10** Sarah Elwood*, University of Washington; *Don't Move
Fast and Break Things: Thriving Against All Odds in
the Digitally-Mediated City***6:00 Discussant(s):** Christian Berndt, Professor, University
of Zurich**Friday-054-5:00 p.m. Wetlands and Watersheds in
the Anthropocene: A Geomorphological and
Geoecological Approach Part II (Sponsored by
Paleoenvironmental Change Specialty Group)**

Theme: Physical Geography in Environmental Science

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Samantha Krause, University of Texas - Austin; Colin
Doyle, University of Texas - Austin; Timothy Beach, University
of Texas at Austin

CHAIR: Colin Doyle, University of Texas - Austin

5:00 Colin Doyle*, University of Texas - Austin; Timothy Beach,
University of Texas at Austin; Sheryl Luzzadder-Beach,
University of Texas at Austin; *Modeling Wetland
Hydrology with LiDAR in Northwest Belize***5:20** Greg McDermid*, Julie Lovitt, University of Calgary;
Mir Mustafizur Rahman, University of Calgary;
Saraswati Saraswati, University of Waterloo; Maria
Strack, University of Waterloo; Bin Xu, NAIT Boreal
Research Institute; *UAV's Reveal the Effects of Seismic
Lines on Surface Morphology, Water Table Position,
and Methane Emissions in Boreal Peatlands***5:40** Xuefeng Xie*, College of Geography and Environmental
Sciences, Zhejiang Normal University; Lijie Pu,
School of Geographic and Oceanographic Sciences,
Nanjing University; Juejun Jiang, College of
Geography and Environmental Sciences, Zhejiang
Normal University; Tao Wu, College of Geography and
Environmental Sciences, Zhejiang Normal University;
*Linkage between soil salinization and physicochemical
properties in a long-term intensive agricultural coastal
reclamation area, Eastern China***6:00** Nicholas Dunning*, University of Cincinnati; Thomas Ruhl,
MA, University of Cincinnati; Christopher Carr, PhD,
University of Cincinnati; *Ancient Maya Agricultural
Adaptation to Varied and Changing Wetlands***6:20** Timothy Beach*, University of Texas at Austin; Sheryl
Luzzadder-Beach, The University of Texas at Austin;
*The perpetuation of error in the Science of wetlands***Friday-055-5:00 p.m. Advances in Computational Approaches
for Geospatial Health Applications IV (Sponsored
by Health and Medical Geography Specialty Group,
Cyberinfrastructure Specialty Group, Spatial
Analysis and Modeling Specialty Group)**Theme: Geography, GIScience and Health: Building an International
Geospatial Health Research Network (IGHRN)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Claudio Owusu, University of North Carolina -
Charlotte; Michael Desjardins, University of North Carolina -
Charlotte; Marco Helbich, Utrecht University

CHAIR: Claudio Owusu, University of North Carolina - Charlotte

5:00 Xi Gong*, University of New Mexico; F. Benjamin Zhan,
Texas State University; *Associations between Maternal
Residential Proximity to Air Emissions from Industrial
Facilities and Low Birth Weight in Texas, USA***5:20** Yogita Karale*, University of Texas At Dallas; May Yuan,
University of Texas at Dallas; *Downscaling PM2.5
through data fusion in Dallas-Fort-Worth***5:40** Yao Li*, Center for Geospatial Information Science
Department of Geographic Sciences, University of
Maryland, College Park; Kathleen Stewart, Center
for Geospatial Information Science Department of

FRIDAY, April 5 • 5:00 PM - 6:40 PM

Geographic Sciences, University of Maryland, College Park; *Simulating human mobility for understanding population risk from malaria*

6:00 Xin Hong*, Kent State University; Jay Lee, Kent State University; *Changes in Environmental Profiles of Cancer Villages: A Case Study of Aizheng Cun in China*

6:20 Discussant(s): Eric Delmelle, University of North Carolina at Charlotte

Friday-056-5:00 p.m. Geography of Health and Disease in Urban Areas II

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Alex Owusu, University of Ghana

5:00 An Zhang*, Dr., Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Inequality resulting from health risks related to ambient air pollution in the Pearl River Delta Metropolitan Region*

5:20 Jie Yang*, Peking University; Yinhua Tao, Peking University; Kangjae Lee, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University; Meipo Kwan, University of Illinois at Urbana-Champaign; *Dynamic air pollution exposure, context-based physical activity and individual health: Evidence from Beijing*

5:40 Adobea Owusu*, University of Ghana; *Stroke as an Emerging Important Disease in Ghana*

6:00 Alex Owusu*, University of Ghana; *Conscious People with limited effort: A geospatial analysis of local perception of the livability of Accra Metropolitan Area, Ghana*

6:20 Emma Knauerhase*, *Hospice Care in South Africa's Western Cape Province: A Spatial Analysis*

Friday-057-5:00 p.m. Improving Access to Care for Prevention

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Jamison Conley, West Virginia University

5:00 Sainan Zhang*, UNFPA; *Mapping Access to Health Services in Nepal*

5:20 Moira Conway*, Kutztown University; Heather Willever, Kutztown University; *Measuring Accessibility to Dental Care in Pennsylvania*

5:40 Yuxia Huang*, Texas A&M University - Corpus Christi; PAMELA MEYER2, Texas A&M University - Corpus Christi; Lei Jin, Texas A&M University - Corpus Christi; *The Impact of Spatial Accessibility of Healthcare on Elderly Potentially Preventable Emergency Department Visits in the Texas Coastal Bend Area*

6:00 Kai Cao*, National University of Singapore; *Geographical accessibility analysis of healthcare facilities for elderly population in Singapore*

6:20 Jamison Conley*, West Virginia University; Insu Hong, West Virginia University; Amber Williams, West

Virginia University; Rachael Taylor, West Virginia University; Thomson Gross, West Virginia University; *Modelling rural health care access to support rural residency planning*

Friday-058-5:00 p.m. Urbanization, Coastal Vulnerability, and Sustainability (VII): Coastal Hazards, Vulnerability, and Resilience to Extreme Weather Events (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Coastal and Marine Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Caiyun Zhang, Florida Atlantic University; Qihao Weng, Indiana State University

CHAIR: Caiyun Zhang, Florida Atlantic University

5:00 Caiyun Zhang*, Florida Atlantic University; *Modeling Vulnerability and Risk of Mangroves to Hurricanes in the Southern Coastal Everglades: A Case Study of Hurricane Irma*

5:20 Laurie Boschetti*, Université Côte d'Azur, OCA, CNRS, IRD, Géoazur; Mansour Ioualalan, Université Côte d'Azur, IRD, CNRS, OCA, Géoazur; Damien Provotolo, Université Côte d'Azur, CNRS, OCA, IRD, Géoazur; Emmanuel Tric, Université Côte d'Azur, CNRS, OCA, IRD, Géoazur; Stephan Grilli, Department of Ocean Engineering, Graduate School of Oceanography; Fatima Nemati, Department of Ocean Engineering, Graduate School of Oceanography; Christophe Larroque, Université Côte d'Azur, CNRS, OCA, IRD, Géoazur; *The Mediterranean French coastal exposed to tsunami risk: from hazard to territorial vulnerability studies*

5:40 Aynaz Lotfata*, Shrinidhi Ambinakudige, Mississippi State University; *Degradation of Groundwater Quality in the Coastal Aquifers of the United States*

6:00 Xochizeltzin Castaneda Camacho*, The University of Texas at Austin; *Assessing socio environmental vulnerability patterns in the Real de Guadaluca State Reserve, Mexico*

6:20 Matthew Bampton*, University of Southern Maine; Dianna Farrell, University of Southern Maine; *Linking Multi-Decadal Climate Trends, Natural Disasters, and Human Resilience in the North Atlantic during the Little Ice Age*

Friday-060-5:00 p.m. Daily Life Segregation: Causes, Patterns and Consequences II (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group, Geographic Information Science and Systems Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Fei Li; Donggen Wang, HONG KONG BAPTIST UNIVERSITY

CHAIR:

5:00 Shi Xian*, Guangzhou University; Zhixin Qi, Sun Yat-sen University; *Exploration of Social Segregation Using Mobility-Activity Data and Decision Tree Algorithms*

FRIDAY April 5 • 5:00 PM - 6:40 PM

- 5:20** Yiwei Huang*, University of California; *Gender and cultural segregation in San Francisco's Chinatown Plaza*
- 5:40** Gwendolyn Purifoy*, North Park University; Michael Emerson*, North Park University; Johannes Buerger*, North Park University Chicago; *Examining Racial Residential Segregation Through Public Transportation in Chicago*
- 6:00** Yiming Tan*, Sun Yat-Sen University; Yanwei CHAI, Peking University; *Social-contextual exposure of ethnic groups in urban China: From residential place to activity space*
- 6:20** Na Ta*, East China Normal University; Yue Shen, East China Normal University; *Do neighbors from different social groups share their activity spaces? A case study in Shanghai*

Friday-061-5:00 p.m. Authors Meet Critics: Geoff Mann and Joel Wainwright's *Climate Leviathan* (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jim Glassman, University Of British Columbia; Jessica Dempsey, University of British Columbia

CHAIR: Jim Glassman, University Of British Columbia

Introduction(s): Jessica Dempsey, Assistant Professor, University of British Columbia; Jim Glassman, Professor, University Of British Columbia

Panelist(s): Kiran Asher, Professor, University of Massachusetts, Amherst, MA; Arun Saldanha, University of Minnesota - Minneapolis; Sophie Webber, Dr, University of Sydney; Joel Wainwright, Professor, The Ohio State University

Friday-062-5:00 p.m. GIS and Hydrology

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Benjamin Franek, Bloomsburg University of Pennsylvania

5:00 Hung Ha*, Indiana State University; *Flood zoning by hydrologic partial area with case studies in Illinois, Indiana, and Ohio*

5:20 Leo Meirose*, University of South Florida; Christopher Brown, PhD, Worcester Polytechnic Institute, Worcester, MA; Barnali Dixon, PhD, University of South Florida, Saint Petersburg; Alvan Karlin, PhD, Southwest Florida Water Management District (SWFWMD); *Next To or Through Your House?: Comparison of Statistical and Spatial Results to Understand the Effects of DEM Resolution on Stream Delineation*

5:40 Rama Mohapatra*, Minnesota State University, Mankato; Jonathan C. Graves, GISP, Blue Earth County, MN; Nicholas Flatgard, Steele County, MN; *Drainage Ditch Berm Delineation Using LiDAR Derived DEM Data: A Case Study of Waseca County, Minnesota*

6:00 Yichen Li*, Beijing Normal University; Peijun Shi, Beijing Normal University/Qinghai Normal University; *Simulation Analysis on Water Supply of Wheat in Hetao Plain with DSSAT Model*

6:20 Benjamin Franek*, Dr., Bloomsburg University of Pennsylvania; Jeffrey Brunskill, Bloomsburg University of Pennsylvania; *An Investigation of the Implementation of GIS During Pre-construction Routing of Natural Gas Pipeline Stream Crossings.*

Friday-063-5:00 p.m. Deep learning: Real-World Experiences in Sustainability Higher Education (Sponsored by Geography Education Specialty Group, Energy and Environment Specialty Group, Undergraduate Student Affinity Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Melissa Hinten, University of Tennessee; Jayme Walenta, University of Texas - Austin; Molly Polk, University of Texas at Austin

CHAIR: Melissa Hinten, University of Tennessee

Panelist(s): Jeff Baldwin, Dr., Sonoma State University; Jayme Walenta, Lecturer, University of Texas - Austin; Molly Polk, Associate Director of Sustainability Studies, University of Texas at Austin; Jordan Howell, Rowan University

Discussant(s): Alisa Hass, Graduate Student, University of Tennessee; Gabriella Velasco

Introduction(s): Melissa Hinten, University of Tennessee

Friday-064-5:00 p.m. Urban Voids, Interstitial Spaces and Vacant Lands: An Emerging Agenda for the Vague Geography of Cities. (Sponsored by Qualitative Research Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dimitrios Panayotopoulos, University College London

CHAIR: Dimitrios Panayotopoulos, University College London

5:00 Introduction(s): Chad Steacy, University of Georgia

5:10 John Lauermann*, City University of New York; Eva Kassens-Noor, Michigan State University; *Plans that didn't happen: The geography of urban regeneration failures in South Boston*

5:30 Sarah SanGiovanni*, Clark University; *"Bringing up Uptown?" Conceptualizing the role of place in the development of Pittsburgh's Uptown EcoInnovation District*

5:50 Dimitrios Panayotopoulos*, University College London; *Scale and perceptions of urban voids in post-industrial cities. Learnings from Eleonas in Athens, Greece.*

6:10 Discussant(s): Robert Oliver, Assistant Professor, Virginia Tech

Friday-065-5:00 p.m. Missing Data: Conceptualizing and Making Sense of the Absence of Data in a Data-abundant Age (Sponsored by Digital Geographies Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Monica Stephens, University At Buffalo; Sara Peterson, University at Buffalo

CHAIR: Monica Stephens, University At Buffalo

5:00 Sara Peterson*, University at Buffalo; Abigail Cooke, PhD, University at Buffalo; Sara Metcalf, PhD, University at Buffalo; *Interrogating the "Murder Centre of South Africa": Estimating Homicide Rates for Small Area Geographies in Cape Town, South Africa*

5:20 Ryan Hruska, Idaho National Laboratory; Rob Edsall*, Idaho National Laboratory; *Constructing Datasets for Dependency Analysis of Critical Infrastructure:*

FRIDAY, April 5 • 5:00 PM - 6:40 PM

Bridging Knowledge Gaps through Spatial and Semi-Automated Analysis

5:40 Mariana Costa Lima*, Centro Universitário Christus; Clarissa Figueiredo Sampaio Freitas, Universidade Federal do Ceará; Daniel Ribeiro Cardoso, Universidade Federal do Ceará; *Opaque informality and differentiated legitimacy: The Case of Fortaleza-Brazil*

6:00 Nicholas Nagle*, University of Tennessee; Parmanand Sinha, University of Louisville; David Folch, Florida State University; Seth Spielman, University of Colorado; Christopher Fowler, Pennsylvania State University; *Address-level spatial structure of U.S. households*

6:20 Discussant(s): Joshua Comenetz, Dr., U.S. Census Bureau

Friday-066-5:00 p.m. Seeking solutions to land challenges of the Anthropocene: Land Systems Science at the Interface of Normative and Policy Concerns (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Rinku Roy Chowdhury, Clark University

CHAIR: Rinku Roy Chowdhury, Clark University

Panelist(s): Hannah Gosnell, Associate Professor, Oregon State University; Kelley Crews, Associate Professor, University of Texas - Austin; Laura Schneider, Associate Professor, Rutgers University; Zachary Christman, Associate Professor, Rowan University

Discussant(s): Erle Ellis, Professor, University of Maryland - Baltimore County

Friday-067-5:00 p.m. Smart Shrinkage Solutions - Fostering Resilient Cities in Inner Peripheries of Europe

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Vlad Mykhnenko, University of Oxford

CHAIR: Vlad Mykhnenko, University of Oxford

Introduction(s): Vlad Mykhnenko, University of Oxford

Panelist(s): Anna Badyina, University of Oxford; Phil Tomlinson, University of Bath; Peter Lee, University of Birmingham; Susan Clarke, B Arts

Friday-068-5:00 p.m. Graduate Student Affinity Group Plenary (Sponsored by Graduate Student Affinity Group, Careers and Professional Development)

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Douglas Allen, Florida State University

CHAIR: Douglas Allen, Florida State University

Panelist(s): Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA

Friday-069-5:00 p.m. Applications of NASA Earth Observations (Sponsored by Applied Geography Specialty Group, Careers and Professional Development)

Room: Wilson B, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Amanda Clayton

CHAIR: Amanda Clayton

5:00 Lindsay Rogers, NASA; Kenton Ross, NASA; Amanda Clayton*, NASA DEVELOP Program - SSAI; Karen Allsbrook, NASA DEVELOP Program - SSAI; Michael Ruiz, NASA; *The NASA DEVELOP National Program: Science Serving Society*

5:15 Claire Nauman*, NASA DEVELOP Program - SSAI; Kathrene Garcia, NASA DEVELOP Program - SSAI; Matthew Preisser, NASA DEVELOP Program - SSAI; *Chao Phraya Water Resources: Assessing Water Quality in Thailand's Chao Phraya Watershed through Modeling Sediment Concentration and Urban Footprint*

5:32 Katherine Hess*, NASA DEVELOP Program - SSAI; Jeanette Cobian, NASA DEVELOP Program - SSAI; Cheila Avalon Cullen, NASA DEVELOP Program - SSAI; Jacob Ramthun, NASA DEVELOP Program - SSAI; *Satellite-Based Assessment of Grassland Conversion and Related Fire Disturbance in the Kenai Peninsula, Alaska*

5:49 Holly Gould*, NASA DEVELOP Program - SSAI; Eric Deutsch, NASA DEVELOP Program - SSAI; Shaifali Prajapati, NASA DEVELOP Program - SSAI; Danielle Ruffe, NASA DEVELOP Program - SSAI; *Enhancing Coastal Management by Monitoring Hampton's Coastline and Barrier Island Transgression with the Aid of NASA Earth Observations*

6:06 Margaret Fredericks*, Patricia Abduragimova, NASA DEVELOP Program - SSAI; Simeon Brown, NASA DEVELOP Program - SSAI; Joshua Turner, NASA DEVELOP Program - SSAI; *Synthesizing Temperature, Reflectance, and Socioeconomic Data to Provide Spatial and Temporal Temperature Analyses in Richmond, Virginia*

6:23 Henrik Westerkam*, NASA DEVELOP Program - SSAI; Ruizhe Guo, NASA DEVELOP Program - SSAI; Sydeney Neugebauer, NASA DEVELOP Program - SSAI; Linnea Smith, NASA DEVELOP Program - SSAI; *Employing Remote Sensing Techniques to Quantify Sediment Supply and Evaluate Marsh Vulnerability in the Plum Island Estuary*

Friday-070-5:00 p.m. So You Want To Write a Book?

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Bradley Shellito, Youngtown State University

CHAIR: Bradley Shellito, Youngtown State University

Introduction(s): Bradley Shellito, Professor, Youngtown State University

Panelist(s): Lydia Pulsipher, Dr., University of Tennessee; Alex Pulsipher; Ola Johansson, Professor, University of Pittsburgh at Johnstown; Bradley Shellito, Professor, Youngtown State University; Bruce Gervais, Assistant Professor, California State University, Sacramento

Friday-072-5:00 p.m. Mountain Weather (Sponsored by Mountain Geography Specialty Group, Climate Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Brandon Vogt, University of Colorado Colorado Springs

CHAIR: Brandon Vogt, University of Colorado Colorado Springs

FRIDAY April 5 • 5:00 PM - 6:40 PM

Friday-073-5:00 p.m. Agriculture and Food Systems:

Interdisciplinary Perspectives III (Sponsored by Geographies of Food and Agriculture Specialty Group, Human Dimensions of Global Change Specialty Group, Rural Geography Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Lindsay Naylor, University of Delaware; Pinki Mondal, University of Delaware

CHAIR: Renata Blumberg, Montclair State University

Panelist(s): Renata Blumberg, Montclair State University; Ilona Moore, Bucknell University; E. Melanie DuPuis, Professor, Pace University; Chelsea Leiper, University of Delaware; Julie Guthman, Professor, Univ of California Santa Cruz; Lindsay Naylor, University of Delaware

Friday-074-5:00 p.m. Immersive VI: Eclectic Topics II - Immersive Experiences and Technologies

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jiayan Zhao, Pennsylvania State University; Jiawei Huang, Pennsylvania State University

CHAIR: Mahda M. Bagher, Pennsylvania State University

5:00 Alexander Klippel*, Pennsylvania State University; *An immersive science of place*

5:20 Martin Swobodzinski*, Portland State University; *Immersive experiences, VR technology, and companion animals: Reflections on a collaborative experimental multi-site study on human emotion*

5:40 Jiayan Zhao*, Pennsylvania State University; Alexander Klippel, Penn State University; *The Effect of Isovist Scale on Spatial Learning in a Large-Extent Mediated Environment*

6:00 Zachary Bortolot*, James Madison University; *A Fine Summer Day in 1951: Creating a Colorized 3D Model of Washington, DC Using Historical and Modern Aerial Imagery and LiDAR*

6:20 Discussant(s): Mark Simpson, Pennsylvania State University

Friday-081-5:00 p.m. Honoring and Celebrating Doug Richardson's Contributions to the AAG (Sponsored by Esri)

Room: Diplomat Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Richard Marston, Kansas State University

Panelist(s): Weidong Liu, Chinese Academy of Sciences; Jack Dangermond, President, Esri; Audrey Kobayashi, Professor, Queen's University; Michael Goodchild, Professor, University of California; Susan Cutter, Carolina Distinguished Professor, University of South Carolina; John Wilbanks; Yonette Thomas, American Association of Geographers; Mei-Po Kwan, Professor, University of Illinois at Urbana-Champaign; Glen MacDonald, Distinguished Professor, University of California - Los Angeles; Alexander Murphy, Professor, University of Oregon

Friday-082-5:00 p.m. Corruption and Ethics

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Jesse Ribot, University of Illinois

5:00 Barney Warf*, University of Kansas; *Global Corruption in Geographic Perspective*

5:20 Sima Mousavi*, Northeastern University; *Oil or Law: Which one matters more for freedom*

5:40 Sagie Narsiah*, University of KwaZulu-Natal; *In the shadows of neoliberalism: the geography of corruption in South Africa*

6:00 M. DeVivo*, Grand Rapids Community College; *Reflections on Apartheid and the Development of South African Academic Geography*

6:20 Jesse Ribot*, American University, NYU and CUNY; *I-Object: Unflattening the World*

Friday-083-5:00 p.m. Cooperative Practices, Situated Ethics, and Paths Forward (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Committee Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Andrew Zitcer, Drexel University; Katie McClymont, University of the West of England

CHAIR: Andrew Zitcer, Drexel University

5:00 Katie McClymont*, University of the West of England; *Asking a different question: planning decisions, credible developments and community ethics.*

5:20 Bradley Wilson*, West Virginia University; *Placing Cooperation in Solidarity Economies: Transcritical Perspectives from Nicaragua*

5:40 Andrew Zitcer*, Assistant Professor, Drexel University; *The Practice of Cooperation*

6:00 Robert Lake*, Rutgers University; *Unbounding Virtue: Loyalty Beyond the Local*

6:20 Discussant(s): Nicholas Klein, Cornell University

Friday-084-5:00 p.m. Digital Urban Revolutions II: Digital Field Research -> Theories in Action (Sponsored by Political Geography Specialty Group, Digital Geographies Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jason Luger, University of California - Berkeley; Martin Zebracki, University of Leeds

CHAIR: Jason Luger, University of California - Berkeley

5:00 Ella Harris*, Goldsmiths University; *Encountering the Urban with Innovative Digital Methods: My i-Doc adventure into the Pop-up City*

5:20 Marianna Trimarchi*, *Digital media practices in geography: a proposed methodological framework*

5:40 SEUNGHO YOO*, *Digital-social interaction: Focusing on 2016-2017 Impeachment protest in South Korea*

FRIDAY, April 5 • 5:00 PM - 6:40 PM

6:00 Yu-Shan Tseng*, University of Durham; *New digitally-mediated urban politics via Decide Madrid and vTaiwan: towards cosmopolitics, or depoliticization?* (250 words)

6:20 Discussant(s): Jason Luger, Lecturer, University of California - Berkeley

Friday-086-5:00 p.m. Sea Change: Navigating Transformations in Coastal and Marine Social-ecological Systems (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Kathryn Davies, National Institute of Water and Atmospheric Research (NIWA); Karen Fisher

CHAIR: Kathryn Davies, National Institute of Water and Atmospheric Research (NIWA)

5:00 Karen Fisher*, *Decolonizing coasts and oceans*

5:20 Wesley Flannery*, Queen's University Belfast, UK; Benedict McAteer, Queen's University Belfast, UK; Brendan Murtagh, Queen's University Belfast; *The 'rationality' of Marine Spatial Planning in the UK*

5:40 Hannah Torres*, Ph.D., University of Central Florida; Timothy Hawthorne, Ph.D., University of Central Florida; Fernando Rivera, Ph.D., University of Central Florida; Lain Graham, Esri; *Local Knowledge, Sense of Place, and Coastal Restoration in the Indian River Lagoon*

6:00 Kathryn Davies*, National Institute of Water and Atmospheric Research (NIWA); Karen Fisher, University of Auckland; Gemma Couzens, Ministry for the Environment; Melissa Foley, Auckland Council; Kath Blakemore, Department of Conservation; June Cahill, Environmental Protection Authority; Linda Faulkner, Tutaio; Judi Hewitt, NIWA; Mary Livingston, Ministry for Primary Industries (Fisheries); Carolyn Lundquist, NIWA; Catherine Iorns Magallanes, Victoria University; Harry Mikaere, Aquaculture NZ; *Collaborating on cumulative effects: A mountains-to-sea approach from Aotearoa New Zealand*

6:20 Discussant(s): Nick Lewis, University Of Auckland

Friday-087-5:00 p.m. Risk Communication and Resilience - Challenges and Future Direction (Sponsored by Hazards, Risks, and Disasters Specialty Group, Media and Communication Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Bandana Kar, Oak Ridge National Laboratory; Chris Renschler, University at Buffalo (SUNY)

CHAIR:

Friday-088-5:00 p.m. Cities Exposed: Exposure and Contamination in Dense Urban Worlds (Sponsored by Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Cabinet Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): D. Asher Ghertner, Rutgers University; Rosalind Fredericks, New York University

CHAIR: D. Asher Ghertner, Rutgers University

5:00 Rosalind Fredericks*, New York University; *Precarious Bodies, Embodied Knowledges: Gendered infrastructures of discard in Dakar, Senegal*

5:20 Gabriela Valdivia*, University of North Carolina - Chapel Hill; *Minor analytics of oil, life, and well-being in Esmeraldas, Ecuador*

5:40 D. Asher Ghertner*, Rutgers University; *Airpocalypse: Distributions of Life Amidst Delhi's Polluted Airs*

6:00 Paul Jackson*, Assistant Professor, University of Delaware; Nari Kim, University of Delaware; *Political Ecology of Isolation: Seeking Shelter from Slow Violence*

6:20 Discussant(s): Becky Mansfield, The Ohio State University

Friday-089-5:00 p.m. Population Specialty Group Research Excellence Award (Sponsored by Population Specialty Group)

Room: Council Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Fernando Riosmena, University of Colorado at Boulder; Kathryn Grace, University of Minnesota - Minneapolis

CHAIR: Kathryn Grace, University of Minnesota - Minneapolis

Panelist(s): Christopher Fowler, Associate Professor, Pennsylvania State University; Rachel Franklin, Professor, Newcastle University; Jamie Goodwin-White, Assistant Professor, UCLA; Mark Ellis, University of Washington; Richard Wright, Orvil Dryfoos Professor of Public Affairs, Dartmouth College

Friday-090-5:00 p.m. Tourism and Inequality (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Congressional A, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Julia Giddy, University of Johannesburg; Fabian Frenzel, University of Leicester; Ko Koens, Breda University of Applied Sciences

CHAIR: Fabian Frenzel, University of Leicester

Introduction(s): Fabian Frenzel, Dr, University of Leicester

Panelist(s): Ko Koens, Breda University of Applied Sciences; Julia Giddy, Dr, University of Johannesburg

Discussant(s): Regina Scheyvens, Professor, Massey University

FRIDAY April 5 • 5:00 PM - 6:40 PM**Friday-091-5:00 p.m. Popular Culture and the Geographies of World Building (Sponsored by Cultural Geography Specialty Group, Media and Communication Geography Specialty Group)**

Room: Congressional B, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Julian Barr, University of Washington; Edgar Sandoval, University of Washington

CHAIR: Julian Barr, University of Washington

5:00 Steven Schnell*, Kutztown University; *Wakanda Forever: Black Panther's Imagined Africa***5:20** David Seitz*, Harvey Mudd College; *Woke Paddington: A Colonial Internal Object?***5:40** Stentor Danielson*, Slippery Rock University; *Re-reading the Map of Middle-earth: Fan Cartography's Engagement with Tolkien's Legendarium***6:00** Mina Rezaei*, UC Davis; *Literary geographies: an opportunity to improve children's outdoor experiences through media, a review on representation of outdoor spaces in Iranian films***6:20** Katrinka Somdahl-Sands*, Rowan University; *Inhumans, Mutants and Freaks: controlling alternate biopolitics***Friday-092-5:00 p.m. Geographical Review Annual Lecture Presents James Fallows (Sponsored by Cultural Geography Specialty Group, Landscape Specialty Group, Rural Geography Specialty Group, American Geographical Society)**

Room: Empire Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): David Kaplan, Kent State University

CHAIR: David Kaplan, Kent State University

Introduction(s): David Kaplan, Professor, Kent State University**Discussant(s):** James Fallows, Atlantic Monthly**Friday-093-5:00 p.m. Tobler Lecture and Transactions in GIS Plenary Presentations (Sponsored by Geographic Information Science and Systems Specialty Group)**

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Robert Stewart, Oak Ridge National Laboratory; John Wilson, University Of Southern California

CHAIR: Robert Stewart, Oak Ridge National Laboratory

5:00 Keith Clarke*, University Of California, Santa Barbara; *Waldo Tobler: A Tribute in Ten Papers***5:20** Geoff Boeing*, Assistant Professor, Northeastern University; *Geographic Information, Spatial Networks, and the New Urban Science***Friday-094-5:00 p.m. Towards Responsible Business? Innovations and Transformations in the Geographies of Production and Work (Sponsored by Economic Geography Specialty Group)**

Room: Regency Ballroom, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Vida Vanchan, SUNY Buffalo State; John Bryson, University of Birmingham

CHAIR: Vida Vanchan, SUNY Buffalo State

5:00 John Bryson*, University of Birmingham; *In Love With Location: Sustaining Social Value Creation in a Multi-Stakeholder Responsible Business Model***5:20** Chloe Billing*, City-REDI, Birmingham Business School; *New Drivers That Alter the Geographic Organisation of Production: Buyer-Supplier Relationships in the UK Space Sector***5:40** Allison Forbes*, University of North Carolina at Chapel Hill; *Geographies of Manufacturing Wages and Training***6:00** Elisa Giuliani*, University of Pisa; *Changing the Rhetoric: The Missing Link Between Regional Economic Growth, Human Rights and Economic Inequality***6:20** Ronald Kalafsky*, University of Tennessee; *SME Targeting of Export Destinations at Trade Fairs: Evidence from Korea***Friday-095-5:00 p.m. The IJURR Lecture: "Rethinking Value in Urban Redevelopment: Extraction, Anticipation, and Acceleration" (Sponsored by Wiley)**

Room: Blue Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Liza Weinstein, Northeastern University

CHAIR: Liza Weinstein, Northeastern University

Panelist(s): Rachel Weber, University of Illinois At Chicago**Friday-097-5:00 p.m. Finance for Development Panel Discussion**

Room: Capital Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Adam Dixon, Maastricht University; Emma Mawdsley, University of Cambridge; Ilias Alami, Maastricht University

CHAIR: Adam Dixon, Maastricht University

Panelist(s): Nancy Alexander, Heinrich Böll Foundation North America; Håvard Halland, Stanford Global Projects Center; Nancy Lee, Center for Global Development; Samuel Maimbo, World Bank Group**Friday-098-5:00 p.m. Black Matters are Spatial Matters (Sponsored by Black Geographies Specialty Group)**

Room: Embassy Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): LaToya Eaves, Middle Tennessee State University

CHAIR: LaToya Eaves, Middle Tennessee State University

Panelist(s): Rashad Shabazz, Associate Professor, Arizona State University; Jonathan Hall, Assistant Professor, West Virginia University; David Padgett, Reginald Archer, Assistant Professor, Tennessee State University**Friday-099-5:00 p.m. Labour Regimes and Global Systems of Production and Reproduction III (Sponsored by Economic Geography Specialty Group)**

Room: Hampton Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Adrian Smith, Queen Mary, University of London; Liam Campling, Queen Mary University of London

CHAIR: Adrian Smith, Queen Mary, University of London

5:00 STEVE FRENKEL*, Shahid Rahman, Ph.D, BRAC University, Bangladesh; *After Rana Plaza: Governance Forms, Processes and Labor Outcomes in Bangladesh's Garment Export Factories*

FRIDAY, April 5 • 5:00 PM - 6:40 PM

5:20 Liam Campling*, Queen Mary University of London; James Harrison, School of Law, Warwick University; Ben Richardson, School of Politics and International Studies, Warwick University; Adrian Smith, School of Geography, Queen Mary University of London; *Trade-based Integration and South Korea's Automotive Labour Regime*

5:40 Joe Buckley*, SOAS, University of London; *Informalising formal labour in Vietnamese garment production*

6:00 Discussant(s): Adrian Smith, Professor, Queen Mary, University of London

6:20 Discussant(s): Jennifer Bair, University of Virginia

Friday-100-5:00 p.m. Global Migration, Labor, and Food Production: Agricultural Guestworkers Past and Present (Sponsored by Geographies of Food and Agriculture Specialty Group, Cultural and Political Ecology Specialty Group, Latinx Geographies Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition

CHAIR: Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition

5:00 Quentin Zorn*, Karen Vasquez-Romero, Undergraduate Student; Heidi Hausermann, Assistant Professor; *Transformations and contradictions in agricultural labor, guest worker programs, and the lives of African immigrants in Weld County, Colorado*

5:20 Laura-Anne Minkoff-Zern*, Syracuse University, Department of Public Health, Food Studies, and Nutrition; Kathy Sexsmith, Pennsylvania State University; Anelyse Weiler, University of Toronto; *Parallel precarity: A comparison of United States and Canadian Agricultural Guestworker Programs*

5:40 Margaret Gray*, Julie Keller, University of Rhode Island; Adrienne DerVartanian, Farmworker Justice; Molly Graver, New Mexico Legal Aid; Mariah Hennen, Legal Action of Wisconsin; *No Guests Allowed: Dairy Workers and the H2 Program*

6:00 Tomas Madrigal*, Community to Community Development; *The re-emergence of International Worker Solidarity in the 21st century: A case study of Familias Unidas por la Justicia*

6:20 Discussant(s): Emily Reid-Musson, PhD, University of Waterloo

Friday-101-5:00 p.m. Landscapes, Food and Diet Quality (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Bronwen Powell, Pennsylvania State University; Erica Smithwick

CHAIR: Erica Smithwick

5:00 Matthew Cooper*, University of Maryland; *Testing the "Safety Net" Hypothesis*

5:20 Bronwen Powell*, Pennsylvania State University; *Dietary quality, nutrition and landscape structure*

5:40 Mario Reinaldo Machado*, Clark University; *What's going on with land-use in Cuba? Disparate data sets and the Cuban agricultural transition*

6:00 Sidney Madsen*, Cornell University; *Multiple agroecological pathways to smallholder food security in Malawi: Differential household outcomes and the role of provisioning strategies and social support*

6:20 Zeynab Jouzi*, North Carolina State University; Stacy Nelson, North Carolina State University; Yu-Fai Leung, North Carolina State University; *A proposed remote-sensing approach to analyzing the association between environmental changes and human health in Sub-Saharan Africa*

Friday-103-5:00 p.m. Health as "Fix": Geographies of the Biopolitical in Settler- and Post-Colonies II

Room: President's Boardroom, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Erin Torkelson, University of California Berkeley; Meredith Palmer, UC Berkeley

CHAIR: Meredith Palmer, UC Berkeley

5:00 Hasnaa Mokhtar*, Clark University; *Beyond Victims and Villains: Decolonizing and Localizing Knowledge Production of Gender-Based Violence in the Arab Gulf States*

5:20 Dirk Kinsey*, Temple University; *The Returning Body: On Health Inequities and Prison Reentry*

5:40 Kelsey Johnson*, *Health, race, and economy in the US blood industry*

6:00 Alanna Higgins*, West Virginia University; *The Carrot and the Needle: "Fixing" diet-related diseases in West Virginia*

FRIDAY, April 5 • 6:50 PM - 7:50 PM**Friday-004-6:50 p.m. Remembering Dr. Robert Bailey**

Room: Maryland A, Marriott, Lobby Level (Panel)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): William Doe, University of Colorado, Boulder

CHAIR: William Doe, University of Colorado, Boulder

FRIDAY, April 5 • 7:30 PM - 10:00 PM**Friday-010-6:50 p.m. AAG Shorts 2019 - Short Films made by Geographers or about Geography I (Sponsored by Film-Making and Screening Specialty Group)**

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 7:30 p.m. - 10:00 p.m.

ORGANIZER(S): Jessica Jacobs, Queen Mary University of London

CHAIR: Jessica Jacobs, Queen Mary University of London

FRIDAY, April 5 • 6:50 PM - 7:50 PM**Friday-034-6:50 p.m. Middle East and North Africa Specialty Group Business Meeting (Sponsored by Middle East Specialty Group)**

Room: Roosevelt 4, Marriott, Exhibition Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-038-6:50 p.m. Paleoenvironmental Change Specialty Group Business Meeting (Sponsored by Paleoenvironmental Change Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-049-6:50 p.m. Graduate Student Affinity Group Business Meeting (Sponsored by Graduate Student Affinity Group)

Room: Jackson, Marriott, Mezzanine Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-052-6:50 p.m. Africa Specialty Group Business Meeting (Sponsored by Africa Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-069-6:50 p.m. Mountain Geography Specialty Group Business Meeting (Sponsored by Mountain Geography Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

Friday-070-6:50 p.m. Remote Sensing Specialty Group Business Meeting (Sponsored by Remote Sensing Specialty Group)

Room: Wilson C, Marriott, Mezzanine Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

NOTES

Presenting author(s) are indicated with an asterisk ().*

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SATURDAY

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Saturday-001-8:00 a.m. Migrant Politics and the Changing Geographies of Nationalism and Citizenship 1: Bottom up Perspectives, Actions and Spaces

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Elizabeth Mavroudi, Loughborough University; Marta Erdal, PRIO

CHAIR: Elizabeth Mavroudi, Loughborough University

8:00 Introduction(s): Elizabeth Mavroudi, Loughborough University

8:10 Mario Bruzzone*, University of Wisconsin-Madison; *Living the ungrievable life: Central American migrants in Mexico and survival amidst social devaluation*

8:30 Pia Hollenbach*; Tanuja Thurairajah*, Ms./Mrs.; *Performing nationalisms: Tamil migrant politics in Switzerland*

8:50 Elizabeth Mavroudi*, Loughborough University; *Learning to be political: a comparative case study of young people in the Greek, Palestinian and Jewish diasporas*

9:10 Marta Erdal*, PRIO; *Citizenship, degrees of attachment and the politics of (trans)national membership*

Nichols Clark, University of Chicago; Carl Grodach, Monash University; Daniel Silver, University of Toronto Scarborough; *Strategies of creative placemaking in local economies: Results from the NEA Our Town program*

Saturday-004-8:00 a.m. Urban Historical GIS (Sponsored by Historical Geography Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): S. Wright Kennedy, Columbia University

CHAIR: S. Wright Kennedy, Columbia University

8:00 Ademide Adelusi-Adeluyi*, University of California - Riverside; *Following Fires: Mapping 19th Century Lagos*

8:20 Don Lafreniere*, Michigan Technological University; Sarah Scarlett, Michigan Technological University; Dan Trepal, Michigan Technological University; Robert Pastel, Michigan Technological University; *Public Participatory Historical GIS to Build a Spatial Data Infrastructure of Historical Landscapes and Environments*

8:40 Kurt Schlichting*, Fairfield University; *Using New York Public Library Digital Humanities Data and Spatial Tools to Explore the 1880 Micro-Geography of Greenwich Village at the City Block and Building Level*

9:00 S. Wright Kennedy*, Columbia University; Daniel Miller*, Columbia University; *Mapping Historical New York*

9:20 Discussant(s): Leah Meisterlin, Assistant Professor, Columbia University

Saturday-002-8:00 a.m. Author Meets Critics — Aren Aizura's 'Mobile Subjects: Transnational Imaginaries of Gender Reassignment' (Sponsored by Sexuality and Space Specialty Group)

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Natalie Oswin, McGill University

CHAIR: Natalie Oswin, McGill University

Discussant(s): Debanuj DasGupta, Assistant Professor, University of Connecticut; Lorena Muñoz, Assistant Professor, University of Minnesota

Panelist(s): Rae Rosenberg; Anja Kanngieser; Aren Aizura, Dr.

Saturday-003-8:00 a.m. The Arts and Creativity, Cultural Capital, and Economic Dynamism

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Timothy Wojan, Economic Research Service - USDA; Sunil Iyengar, National Endowment for the Arts

CHAIR: Timothy Wojan, Economic Research Service - USDA

8:00 Thomas Johnson*, University of Missouri; J Matthew Fannin, Louisiana State University; Emily Wornell, Ball State University; Charles Fluharty, Rural Policy Research Institute; Sam Cordes, Purdue University; *Rural Arts and Culture through the lens of the Comprehensive Wealth Framework*

8:20 Sunil Iyengar*, National Endowment for the Arts; Bonnie Nichols, National Endowment for the Arts; Timothy Wojan, Economic Research Service, USDA; *What's Place Got to do With Art? A Statistical Study Using the Annual Arts Basic Survey*

8:40 Joanna Woronkowicz*, Indiana University; Doug Noonan, Indiana University-Purdue University Indianapolis; *On Experiments in the Arts*

9:00 Joni Palmer*, Ph.D., Geography & Environmental Studies; *Cultural Planning and Geographical Imaginations: The Role of Affective Mapping in Revealing/Re-valuing Places*

9:20 James Murdoch*, 2M Research Services; Patricia Moore Shaffer, National Endowment for the Arts; Terry

Saturday-005-8:00 a.m. Local Actors, Global Implications: Rethinking Tourism and Communities in Development (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sanjay Nepal, University of Waterloo

CHAIR: Sanjay Nepal, University of Waterloo

8:00 Theano S. Terkenli*, University of the Aegean; Efthymia Saradakou, Hellenic Open University; *Towards a critical analytical approach to overtourism: the case of the landscape of Santorini*

8:20 Tomás Cuevas-Contreras*, Dr., Universidad Autónoma de Ciudad Juárez; Dallen J Timothy, Arizona State University; Isabel Zizaldra-Hernández, Universidad Autónoma de Ciudad Juárez; *Managing Medical Tourism Mobility in Mexico's Northern Border Communities*

8:40 Ko Koens*, Breda University of Applied Sciences; *Enabling transformative change in city destinations through city hospitality*

9:00 Jarkko Saarinen*, University of Oulu; *Global change, Tourism and Community Impacts in Kalahari, Botswana*

9:20 Leon Mach*, Ph.D, Resident Lecturer in Environmental Policy and Socioeconomic Values, School for Field Studies, Bocas del Toro, Panama; *Defining communities and their differences: Sustaining Indigenous tourism in Bocas del Toro, Panama*

SATURDAY April 6 • 8:00 AM - 9:40 AM**Saturday-006-8:00 a.m. From the Shining City to New Jack City: Geographies of 1980s America I (Sponsored by Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group, Urban Geography Specialty Group)**

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Patrick Vitale, Department of Political Science and Geography; Clayton Rosati, Bowling Green State University

CHAIR: Clayton Rosati, Bowling Green State University

8:00 Johan Andersson*, King's College London; *Libidinous gentrification: SoHo in Hollywood's erotic narratives of the 1980s***8:20** Caitlin Henry*, University of Manchester; *Financing Care: Tracing the Legacies of Contractions and Expansions of Medicare in 1980s America***8:40** Patrick Vitale*, Eastern Connecticut State University; *What a Feeling: Flashdance and the deindustrialization of Pittsburgh***9:00 Discussant(s):** Josh Akers, Assistant Professor of Geography and Urban and Regional Studies, University of Michigan-Dearborn**Saturday-007-8:00 a.m. Environment, Development and Culture: Global Perspectives (Sponsored by Asian Geography Specialty Group, Regional Development and Planning Specialty Group)**

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Prajjwal Panday, Nichols College; Rajiv Thakur, Missouri State University

CHAIR: Keshav Bhattarai, University of Central Missouri

8:00 M.Satish Kumar*, Queens University Belfast; *The progress of uneven development and territorial conundrum in the Geo-body of Northeast India***8:20** Ramesh Dhussa*, Drake University; *"Delhi as Experienced by an Unknown Indian; Nirad C. Chaudhuri"***8:40** Tomoko Yamazaki*, Iwate University; *Vulnerability Seen through Schools during the Reconstruction Stage in Sanriku Coast, Japan***9:00** Kenji Yamazaki*, Iwate University; *Disaster Culture which Disaster Learning Nurtures***9:20** Prajjwal Panday*, Assistant Professor, Nichols College; *The socio-hydrology of water supply and scarcity in Kathmandu Valley, Nepal***Saturday-008-8:00 a.m. Territorial fever dreams: Towards geographies of populism and populist geographies 1 (Sponsored by Political Geography Specialty Group)**

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Christopher Lizotte, University of Helsinki

CHAIR: Christopher Lizotte, University of Helsinki

8:00 Karen Trapenberg Frick*, UC Berkeley; *Cyber-Analog Citizenship, Antifascism and American Nationalism: Disputation of Online and Physical Space in the "Battle for Berkeley"***8:20** Kristine Beurskens*; *Emotions and populism at internal EU borders. Crime, fear and securitization from below.***8:40** Corey Johnson*, University of North Carolina - Greensboro; *A Comparative Approach to the Geographies of Nationalism, Civilizationalism, and Populism***9:00** Carl Truedsson*, London School of Economics; *Who belongs in Social Democracy? Xeno-cultural resentment and hegemonic whiteness in Norrköping, Sweden***9:20 Discussant(s):** Kirsi Kallio, University Of Tampere**Saturday-009-8:00 a.m. Geographies of Post-Industrial Place, Memory, and Heritage I (Sponsored by Cultural Geography Specialty Group)**

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mark Rhodes, Kent State University; William Price, Ball State University

CHAIR: William Price, Ball State University

8:00 Carolyn Thompson*, Southern Connecticut State University; *Industrial Heritage in an Era of Climate Catastrophe: Representing the Past, Re-imagining the Future***8:20** John Baeten*, Indiana University; *Contamination as Artifact: The New Heritage of the Anthropocene***8:40** Nick Rush-Cooper*, Newcastle University; *What can be salvaged from Pripyat?***9:00** Leila Dawney*, University of Brighton, UK; *Atomic cities and analogue dreams: on infrastructural remains.***9:20** William Price*, Department of Geography, Ball State University; Catherine Ronck, Department of Chemistry, Geosciences, and Physics, Tarleton State University; *Quarrying for World Heritage Listing: Slate Tourism in North Wales***Saturday-012-8:00 a.m. Creative Districts and Urban Displacement in the Global South I: Development Narratives, State Violence and (Im)Mobilities**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sergio Montero, Universidad De Los Andes

CHAIR: Amy Ritterbusch, UCLA

8:00 Introduction(s): Sergio Montero, Assistant Professor, Universidad De Los Andes**8:02 Introduction(s):** Amy Ritterbusch, Assistant Professor, UCLA**8:04** Yueming Zhang*, University of Birmingham; *Writing temporary creative uses into Beijing's urban regeneration script***8:20** Juan Galvis*, SUNY-OldWestbury; *Creative cures for chronic diseases. Medical metaphor and urban displacement in Bogota's planning***8:36** Ryan Whitney*, University of Toronto; *Mexico City and global urban policy: Incorporating global Best practices into Local planning institutions***8:52** Napong Tao Rugkaphan*, Thammasat University; *Problematising creativity discourse in Bangkok***9:08** Aysegul Can*, Istanbul medeniyet university; *The Issue of Spatial Capital during a State-led Gentrification Process in Istanbul***9:24 Discussant(s):** Sergio Montero, Assistant Professor, Universidad De Los Andes

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Saturday-016-8:00 a.m. Teaching Programming for GIS and Geography (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Careers and Professional Development)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Thomas Pingel, Virginia Tech; Forrest Bowlick, University of Massachusetts - Amherst

CHAIR: Thomas Pingel, Virginia Tech

Introduction(s): Forrest Bowlick, Lecturer, University of Massachusetts - Amherst

Panelist(s): Lee Hachadoorian, Assistant Professor of Instruction, Temple University; Vaclav Petras, North Carolina State University; Thomas Pingel, Associate Professor, Virginia Tech

Saturday-018-8:00 a.m. Open Borders: In Defense of Free Movement (Sponsored by Political Geography Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Reece Jones, University of Hawaii at Manoa

CHAIR: Reece Jones, University of Hawaii at Manoa

Panelist(s): Reece Jones, University of Hawaii at Manoa; Polly Pallister-Wilkins, Assistant Professor, University of Amsterdam; Christine Leuenberger, Dr, Cornell University

Discussant(s): Jussi Laine, Assistant Professor, Karelian Institute, University of Eastern Finland; Gerard Toal, Virginia Tech

Saturday-019-8:00 a.m. Post-Socialist Political Ecologies 1 (Sponsored by Eurasian Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jesse Swann-Quinn, Syracuse University

CHAIR: Jesse Swann-Quinn, Syracuse University

8:00 Introduction(s): Jesse Swann-Quinn, PhD Candidate, Syracuse University

8:20 Margit Koszegi*, Eötvös Loránd University; Zsolt Bottlik, Eötvös Loránd University; Tamás Telbisz, Eötvös Loránd University; Péter Gruber, Aggtelek National Park; *The almighty state for the protection of nature: the Hungarian case study of post-socialist national parks*

8:40 Anne Sturød*, *The political ecology of Kyrgyz nature*

9:00 Vera Smirnova*, Higher School of Economics; *New Land Enclosures in the Post-Socialist Periphery*

9:20 Jessica Graybill*, Colgate University; *Barrels! Boom! Bust! ...berries? Examining resource replacement when energy projects are shelved*

Saturday-020-8:00 a.m. Spatial Analysis and Modeling I

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Alan Phipps, University of Windsor

8:00 Xiang Ye*, Mr, University at Buffalo; *On the sensitivity to the modifiable areal unit problem*

8:20 Amelia Pludow*, University of California - Santa Barbara; Alan Murray, University of California - Santa Barbara; *Land Use Conflicts Associated with Growth and Development*

8:40 Limin Jiao*, Yao Lin Liu, Wuhan University; Wei Lin Wang, Wuhan University; *Simulating urban dynamics by coupling top-down and bottom-up strategies*

9:00 Md Saifuzzaman*, PhD Student, Bioresource Engineering Department, McGill University, Canada; Viacheslav Adamchuk, Associate Professor, Bioresource Engineering Department, McGill University, Canada; Asim Biswas, Assistant Professor, School of Environmental Sciences, University of Guelph, Canada; Pierre Dutilleul, Professor, Plant Science Department, McGill University, Canada; *Soil Prediction using High Density Data for Understanding Field Variability and Crop Management*

9:20 Alan Phipps*, University of Windsor; *Use of repeat sales to infer changes in house prices since the early- to mid-1980s in two older-urban neighbourhoods in Windsor, Ontario*

Saturday-023-8:00 a.m. Smart Citizens Creating Smart Cities: Locating citizen participation in the Smart City (Sponsored by Digital Geographies Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Peter Johnson, University of Waterloo; Zarin Khan, University of Waterloo

CHAIR: Peter Johnson, University of Waterloo

8:00 Bev Wilson*, University of Illinois at Urbana-Champaign; Cong Cong, University of Illinois at Urbana-Champaign; *Beyond the Supply Side: Availability, Use, and Impact of Municipal Open Data in the U.S.*

8:20 Rina Ghose*, Department of Geography; *Bharat.com: Smart nation building in India through geospatial portals and e-governance*

8:40 Zarin Khan*, University of Waterloo; *Citizen-government partnership: Understanding government perspective on co-creating information with citizens*

9:00 David Roberts*, University of Toronto; *Smart Cities/Smart Citizens*

9:20 Austin Zwick*, Syracuse University; *Societal Problems, Technological Solutions, and Citizen Engagement in Infrastructure Canada's Smart City Challenge*

Saturday-024-8:00 a.m. Aerial Experiments: Before and After the Drone

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Anna Feigenbaum, Bournemouth University; Jason Pearl, Florida International University

CHAIR: Anna Feigenbaum, Bournemouth University

Introduction(s): Jason Pearl, Florida International University

Panelist(s): Caren Kaplan, Professor, University of California - Davis; Hugh Gusterson, GWU; Jennifer Schnepf, Princeton University

Discussant(s): Peter Adey, Dr, Royal Holloway, University of London; Derek McCormack, University of Oxford; Sasha Engelmann, University of Oxford

SATURDAY April 6 • 8:00 AM - 9:40 AM**Saturday-025-8:00 a.m. Geodesign — Current Research and Practice**

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matthew Kuniholm, University of Maryland; Leilei Duan, University of Florida; Yuxi Zhao

CHAIR: Matthew Kuniholm, University of Maryland

8:00 Leilei Duan*, University of Southern California; *Exploring Geodesign: Using Three-dimensional Parametric Modeling Techniques in Conjunction with Two-dimensional Land Use Models to Better Visualize Future Growth*

8:20 Yuxi Zhao*; *Geodesign-Based Bamboo Housing to Reduce Earthquake Risks in China*

8:40 Kanglin Chen*; *Social Benefits in Landscape Performance: Assessment and Measurement of Historic Landscapes*

9:00 Matthew Kuniholm*, University of Maryland; *Geodesign: a Participatory Process for the Expression of Environmental Values?*

Saturday-026-8:00 a.m. Reframing Marxism and Race: The Scholarship of Bobby Wilson (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Adam Bledsoe, Florida State University; Benjamin Rubin, CUNY - Graduate Center; Willie Wright, Department of Geography

CHAIR: Willie Wright, Department of Geography

Panelist(s): Perla Guerrero, Assistant Professor, University of Maryland; Benjamin Rubin, Graduate Student, CUNY - Graduate Center; Adam Bledsoe, Florida State University; Wendy Cheng, Associate Professor, Scripps College

Discussant(s): Willie Wright, Department of Geography

Saturday-027-8:00 a.m. Global Foreign Direct Investment Trends and Challenges: Institutions, Innovation, and Development (Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group, China Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Hao Huang, Illinois Institute of Technology

CHAIR: Hao Huang, Illinois Institute of Technology

8:00 Christina Wiederer*, Technische Universitaet Berlin, Germany; *Overcoming logistics-related barriers to higher value international trade: A decision model for policymakers in middle income countries*

8:20 Yutian Liang*, Sun Yat-sen University; Zhengke Zhou, Sun Yat-sen University; Yi Liu, Sun Yat-sen University; *China's investments in Southeast Asia : The Role of Overseas Chinese Networks*

8:40 Weidong Liu*, Chinese Academy of Sciences; Zhigao Liu, IGSNRR, Chinese Academy of Sciences; Michael Dunford, IGSNRR, Chinese Academy of Sciences; *Strategy Coupling under the Belt and Road Initiative: A case study of the China-Belarus Great Stone Industrial Park*

9:00 Timo Kleiner*, Leibniz University Hannover; Ingo Liefner, Leibniz University Hannover; *The Impact of Awareness for Innovation on Innovation Success - A Comparison between Turkish Firms and MNEs in Turkey*

9:20 Hao Huang*, Assistant Professor, Illinois Institute of Technology; *Chinese FDI in the United States*

Saturday-028-8:00 a.m. Urban China I: Production Distribution and Labor

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Changhong Miao, Henan University

8:00 Kang Jiangjiang*, Ning Yueming, School of Urban and Regional Science, ECNU; *The value allocation and China's evolving role in the global value chains of iPhone parts*

8:20 Xionghe Qin*, East China Normal University; Debin Du, East China Normal University; Mei-Po Kwan, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; *Evaluating regional R&D efficiency and its spillover effects in China: Spatial spillover and value chain spillover*

8:40 Junfeng Tian*; *Spatial Differentiation of Digital Economy and Its Influencing Factors in China*

9:00 Xiaoxi Jin*; *Is agglomeration economies conducive to entrepreneurship? —Individual empirical research based on Chinese CLDS*

9:20 Changhong Miao*, Key Research Institute of Yellow River Civilization and Sustainable Development, Henan University; *Flexibility of labor market and local embeddedness of transnational corporations: case from Foxconn's investment in Henan province, China*

Saturday-031-8:00 a.m. Symposium on Frontiers in Geospatial Data Science: Spatial Prediction

Room: Roosevelt 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dandong Yin, University of Illinois; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR: Michael Goodchild, University of California

8:00 A-Xing Zhu*, Univ of Wisconsin; *Spatial Prediction and Laws of Geography*

8:20 Qiang Pu*, University at Buffalo, SUNY; Eun-Hye Yoo, University at Buffalo, SUNY; *Spatio-temporal modeling of PM2.5 concentrations with missing data problem: a case study in Beijing, China*

8:40 Dandong Yin*, University of Illinois; Shaowen Wang, University of Illinois; *Investigate the effect of population distribution on large-scale emergency evacuation*

9:00 Andrew Foy*, Radford University; *Comparing Machine Learning and Risk Terrain Modeling Approaches in a GIS for Predicting Spatio-temporal Crime Patterns*

9:20 Myeong Hun Jeong*, Chosun University; Tae Young Lee, Chosun University; Seung Bae Jeon, Chosun University; *Taxi trajectory outlier detection using multivariate functional data analysis*

SATURDAY, April 6 • 8:00 AM - 9:40 AM**Saturday-032-8:00 a.m. Frontiers of Rent and Rentiership in the Green Economy I: Land Frontiers (Sponsored by Cultural Geography Specialty Group, Economic Geography Specialty Group, Energy and Environment Specialty Group)**

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Tyler Harlan, Cornell University; Sarah Knuth, Department of Geography, Durham University

CHAIR: Sarah Knuth, Department of Geography, Durham University

8:00 Sean Kennedy*, UCLA; *Value, rent, and rentiership in the 'alternative energy capital of the world'***8:20** Lourdes Alonso Serna*, The University of Manchester; *Rent extraction and the socio-ecological fix in the deployment of wind energy in Oaxaca, Mexico***8:40** William Otchere-Darko*, University of Milan-Bicocca; *Fluid values: Land-use, decision-making and institutional transition in Petro-industrial Regions (PIRs)***9:00** Dustin Mulvaney*, *Prospecting for nature on the solar energy frontier***9:20 Discussant(s):** James McCarthy, Professor, Clark University**Saturday-033-8:00 a.m. The Political Economy and Ecology of Sustainability Initiatives in the Global South: Part 1 (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Energy and Environment Specialty Group)**

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Stefano Ponte, Copenhagen Business School; Christine Noe, University of Dar es Salaam

CHAIR: Stefano Ponte, Copenhagen Business School

8:00 Stefano Ponte*, Copenhagen Business School; *Private Authority and Public Policy in the Global South: decentralization, delegation and securitization in governance spheres of conservation***8:20** Christine Noe*, University of Dar es Salaam; *Reordering space for wildlife protection: conservation partnerships as driver for human displacements in the Greater Selous Ecosystem***8:40** Robert Katikiro*, Department of Agricultural Economics and Business. College of Agricultural Sciences and Fisheries Technology. University of Dar es Salaam. P.O.Box 35091 Dar es Salaam, Tanzania; Opportuna Kweka, Department of Geography. College of Social Sciences, University of Dar es Salaam. P.O.Box 35049. Dar es Salaam, Tanzania; Rasul Minja, Department of Political Sciences and Public Administration. College of Social Sciences, University of Dar es Salaam. P.O.Box 35042. Dar es Salaam, Tanzania; Faraja Namkesa, Department of Geography. College of Social Sciences, University of Dar es Salaam. P.O.Box 35049. Dar es Salaam, Tanzania; *Enhancing conservation outcomes in Marine Protected Areas***9:00** Meghan Montgomery*, University of Montana; *Adaptation in the Coffee Market: Cooperative Membership, Certifications, and Coffee Producer Sustainability in Oaxaca, Mexico***9:20 Discussant(s):** Asubisye Mwamfupe**Saturday-033.5-8:00 a.m. Remote Sensing Specialty Group Student Illustrated Paper Competition (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group)**

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Yingbin Deng, University of Wisconsin Milwaukee

CHAIR: Yingbin Deng, University of Wisconsin Milwaukee

8:00 Myung Sik Cho*, Michigan State University; Jiaguo Qi, Michigan State University; *Quantification of the human impact on the Mekong River Basin using time-series nighttime images***8:10** Abhishek Kumar*, University of Georgia; Deepak Ranjan Mishra, University of Georgia; Lakshmish Ramaswamy, University of Georgia; Vinay Kumar Boddula, University of Georgia; *Cyanotracker: A multi-cloud cyber infrastructure for monitoring global proliferation of cyanobacterial harmful algal blooms***8:20** MELANIE LOPEZ*, San Diego State University; *Comparing Object Based Image Analysis and Machine Learning for Assessing Neighborhood conditions***8:30** Guoquan Feng*, University At Buffalo; Le Wang, advisor; *Nighttime Light Remote Sensing by Unmanned Aerial Vehicle***8:40** Geyang Li*, University of Illinois at Urbana Champaign; Chunyuan Diao, University of Illinois at Urbana Champaign; *Near-Surface and High Resolution Satellite Remote Sensing Time Series for Understanding Crop Phenological Responses to Climate Change***8:50** Sam Khallaghi*, Clark University; *Baseline & Transect method compared to Polygon Overlay method to measure boundary change***9:00** John Gross*, Central Michigan University; Benjamin W. Heumann, PhD, Central Michigan University; Rachel A. Hackett, Michigan Natural Features Inventory, Michigan State University Extension; Anna K. Monfils, PhD, Central Michigan University; *Using Optical Type Diversity as A Proxy For Vegetation Alpha Diversity***Saturday-034-8:00 a.m. Spatial Optimization and Analysis I (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Daoqin Tong, Arizona State University; Ran Wei, University of California - Riverside

CHAIR: Daoqin Tong, Arizona State University

8:00 F. Antonio Medrano*, Texas A&M University - Corpus Christi, TX; *Brute Force Spatial Optimization: When It's Okay***8:20** Andries Heyns*, University of Alabama; Kevin Curtin, University of Alabama; Warren du Plessis, University of Pretoria; Mike Kosch, EnviroVision Solutions; Gavin Hough, Envirovision Solutions; *Exploiting terrain features for improved optimisation of camera-based wildfire detection systems***8:40** Jing Xu*, University of California, Santa Barbara; Alan T. Murray, University of California, Santa Barbara; Zifan Wang, University of California, Santa Barbara; Richard

SATURDAY April 6 • 8:00 AM - 9:40 AM

L. Church, University of California, Santa Barbara;
Facility Workloads in Covering Modeling

9:00 Jinwoo Park*, Texas A&M University; Zhengcong Yin, Texas A&M University; Daniel W. Goldberg, Texas A&M University; *Automated Indoor Network Generation using Building Information Model*

9:20 Ran Wei*, University of California - Riverside; *Strategic design and planning of electric bus system*

Saturday-035-8:00 a.m. Creating a Soundscape of Radical Imagination: Podcasts as Scholarship (Sponsored by Digital Geographies Specialty Group, Black Geographies Specialty Group)

Room: Roosevelt 5, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Catherine Bender, UCLA

CHAIR: Catherine Bender, UCLA

Discussant(s): Nerve Macaspac, Assistant Professor, CUNY College of Staten Island

Panelist(s): Akira Rodriguez, Postdoctoral Fellow of Academic Diversity, PennDesign; Catherine Bender, UCLA; Darren Patrick, PhD Candidate, York University; Brian Williams, Dartmouth College; Alex Moulton, PhD Candidate, Clark University

Saturday-036-8:00 a.m. Realizing the Value of Interdisciplinary Research: How Can Critical Theory be 'Applied' to Smart Cities? I - Paper Session (Sponsored by Digital Geographies Specialty Group, Urban Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jane YeonJae Lee, Singapore Management University; Orlando Woods, Singapore Management University

CHAIR: Jane YeonJae Lee, Singapore Management University

8:00 Byron Miller*, University of Calgary; Ryan Burns, University of Calgary; *Positionality, Interests, and Rationalities of the Smart City: Intersecting Roles of Smart City Actors*

8:20 Jane YeonJae Lee*, Research Fellow, Singapore Management University; Orlando Woods, Singapore Management University; Lily Kong, Singapore Management University; *Toward a sedimented methodology of studying inclusive smart cities*

8:40 Sarah Barns*, University of Western Sydney; *Data-driven urbanism as a space for deliberative urban democracy?*

9:00 Luis F Alvarez Leon, Dartmouth College; Jovanna Rosen*, University of Southern California; *Technology as Ideology in Urban Governance*

9:20 **Discussant(s):** Matthew Zook, Professor, University of Kentucky

Saturday-037-8:00 a.m. Best Practices for Teaching the AP Human Geography Test (Sponsored by Geography Education Specialty Group, Careers and Professional Development)

Room: Washington 2, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

Introduction(s): Jonathan Wessell, Adjunct Faculty, Grand Valley State University

Panelist(s): Lisa Benton-Short, Associate Professor, The George Washington University; Fernando Bosco, Professor, San Diego State University; Darren Purcell, Associate Professor, University of Oklahoma; Larianne Collins, Lecturer, University of North Carolina - Charlotte; Daniel Whalen, Parkdale High School; William Schaufler, Fort Dorchester High School

Saturday-038-8:00 a.m. Nature's New Urban Worlds:

Political Ecology and Equity (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Laura Tozer, Durham University; Harriet Bulkeley, University of Durham

CHAIR: Laura Tozer, Durham University

8:00 Hillary Angelo*, University of California Santa Cruz; *Added Value: Nature as a "Good" in Cities*

8:15 Chiara Farné Fratini*, Aalborg University; Morten Elle, Aalborg University; Jenny Lieu, ETH Zurich; Jonathan Dolley, University of Sussex; Fiona Marshall, University of Sussex; *Upscaling nature based solutions in cities: opportunities and challenges for sustainable urban transformations*

8:30 Clair Cooper*, Durham University; *The role of nature in addressing socio inequalities.*

8:45 Fayola Jacobs*, PhD, University of Minnesota and the CREATE Initiative; *Urban water infrastructure and the racial state: confronting the past to plan for the future*

9:00 Robin Basalae-Binder*, McGill University; David Wachsmuth*, McGill University; *Governance through Resilience? Globalizing Sustainability as a Local Political Strategy in the 100 Resilient Cities Network*

9:15 Laura Tozer*, Durham University; Andrea Armstrong, Durham University; Harriet Bulkeley, Durham University; *Border Troubles: Urban Nature and the remaking of Public/Private Divides*

Saturday-039-8:00 a.m. Agroecological Transitions in a Transatlantic Context (1): Concepts, typologies, barriers, drivers and sustainability performance (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Water Resources Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Gerald Schwarz, Thuenen Institute; Francesco Vanni, CREA - Research Centre for Agricultural Policies and Bioeconomy; Katalin Balázs, Geonardo Ltd, Hungary, Europe

CHAIR: Gerald Schwarz, Thuenen Institute

8:00 Francesco Vanni*, CREA - Research Centre for Agricultural Policies and Bioeconomy; Andrea Povellato, CREA - Research Centre for Agricultural Policies and Bioeconomy; Andis Zilans, Baltic Environmental Forum Latvia; Philippe Fleury, ISARA; Audrey Vincent, ISARA; Uxue Iragui Yoldi, Gestión Ambiental de Navarra, S.A.; Carlos Astrain Massa, Gestión Ambiental de Navarra, S.A.; Gerald Schwarz, Thuenen Institute; *The role of market and policy incentives in supporting agro-ecological transition: successful approaches and barriers to adoption*

SATURDAY, April 6 • 8:00 AM - 9:40 AM

8:20 Marcia DeLonge*, Union of Concerned Scientists; Albie Miles, University of Hawai'i, West O'ahu; Liz Carlisle, Stanford University; Rafter Ferguson, Union of Concerned Scientists; *Advancing agroecology in the US: Science and policy, from soil to spoon*

8:40 Inge Aalders*, The James Hutton Institute; Philippe Fleury, ISARA; Gerald Schwarz, Thuenen Institute; Jaroslav Pražan, UZEI; Audrey Vincent, ISARA; Emmanuel Guisepelli, ISARA; Francesco Vanni, CREA; *Ostrom's Socio-Ecological System (SES): a framework for agro-ecological farming systems?*

9:00 Maria Luisa Paracchini*, European Commission - Joint Research Centre; Carlo Rega, European Commission - Joint Research Centre; Davy McCracken, Scotland's Rural College - Hill & Mountain Research Centre; Matteo Zavalloni, University of Bologna - Department of Agricultural Sciences; *A typology for schematising the degree of ecological friendliness in farming*

9:20 Ekaterina Bezborodko*; *Spatiality of Agricultural Education: A Critical Perspective on the Political Economy of Socio-Ecological Knowledge*

Saturday-040-8:00 a.m. W4_6 Spatial Analytics with ArcGIS (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Saturday-041-8:00 a.m. Music, Sounds, Practices, Discourses: New Frontiers in Research, Pedagogies and Praxis in Geographies of Music - 1 (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group, Media and Communication Geography Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Ola Johansson, University of Pittsburgh at Johnstown; Severin Guillard, Université Paris Est - Lab'Urba

CHAIR: Severin Guillard, Université Paris Est - Lab'Urba

8:00 Mark Sciuchetti*, Florida State University; *(Re)Sounding the Hudson River: The Role of Music and Sound to the Production of Place*

8:20 DAWEI LI*, Beijing Normal University; SHANGYI ZHOU, Beijing Normal University; *Not only the mirror of tourist: the local musicians in Lijiang Town*

8:40 Christine Ithurbide*, Paris 13 University; *Reconfigurations of Mumbai Indie music industry and spaces in the digital context*

9:00 Discussant(s): Christoph Mager

SATURDAY, April 6 • 8:00 AM - 9:40 AM • Poster Sessions

Saturday-043.1-8:00 a.m. Environmental Perception and Behavioral Geography Specialty Group Poster Session (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Stephanie Deitrick, City of Tempe/Arizona State University

002 Poster(s) Claire Burch*, University of Oklahoma; Rebecca Loraamm, Ph.D., University of Oklahoma; *Biodiversity conservation versus wind power development in Oklahoma: assessing citizen-scientist opinion where green interests collide*

003 Poster(s) Nicole Dean-Perkins*, Shortwood Teachers' College; Shenika McFarlane-Morris, Dr., Church Teachers' College; *Sustainable Tourism Practices on the South Coast Jamaica: Lessons for the North Coast? A Case Study: Jake's Hotel, Treasure Beach, St. Elizabeth*

004 Poster(s) Rebecca Collins*, University of Southampton; Felix Eigenbrod, Professor, University of Southampton; Rebecca Spake, Dr, University of Southampton; Dianna Smith, Dr, University of Southampton; Booker Ogutu, Dr, University of Southampton; Kerry Brown, Dr, Kingston University; *A systematic map of the mental health benefits of greenspace*

005 Poster(s) Autumn James*, Northern Illinois University; *Perception as Access: Opening Doors to Closed Spaces*

006 Poster(s) James Misfeldt*, University of Alabama; Matthew LaFevor, PhD, The University of Alabama; *The Aurora Plan: How two Commons Helped Shape a Small Midwestern City*

007 Poster(s) Yuen Ting Yolanda Tsang*, University of Texas At Dallas, Tarleton State University; *Building Recognizability in urban environments*

008 Poster(s) Yi Zhao*; *Impact of land use on bicycling behavior : An spatial approach to provide insight to land use-health interaction*

009 Poster(s) Kathleen Sherman-Morris*, Mississippi State University; Christopher Nunley, Mississippi State University; Philip Poe, Mississippi State University; *Media use, risk perception and response during Hurricane Irma*

0010 Poster(s) Taylor Stinchcomb*, Purdue University; Robert K Swihart, Ph.D., Purdue University; Zhao Ma, Ph.D., Purdue University; *How do social, ecological, and geographic diversity influence deer-human interactions across Indiana?*

0011 Poster(s) Stephen Crook*, San Diego State University; Arielle Levine, San Diego State University; Kathleen Farley, San Diego State University; David Lopez-Carr, University of California - Santa Barbara; *Participatory mapping of ecosystem service uses and values among stakeholders of Gifford Pinchot National Forest, Washington*

SATURDAY April 6 • 8:00 AM - 9:40 AM • Poster Sessions

- 012 Poster(s)** Justin Schram*, Saginaw Valley State University; Andrew Miller*, Saginaw Valley State University; John Brophy, Mobile Medical Response, Inc.; Frederich Schulz, Saginaw Valley State University; Carter Eckhardt, Saginaw Valley State University; Mackenzie Bethune, Saginaw Valley State University; *Creating a Demographic Profile of the Opioid User - Saginaw County, MI*
- 013 Poster(s)** Rui Li*, SUNY - Albany; Andrew Kim, SUNY-Albany; *Where is upstate New York? Cognitive evaluations of geographical regions*
- 014 Poster(s)** Tracy Tien*, Smith College; Jon Caris, Smith College; *Mapping Identity in Unbalanced Landscapes*
- 015 Poster(s)** Dudley Bonsal*, James Madison University; *Interest, comfort, and safety: A geospatial exploration of the perceptual dimensions of walkability*
- 016 Poster(s)** Buddhi Gyawali*, Kentucky State University; Neelam Chandra Poudyal, University of Tennessee-Knoxville; *Social Dynamics of Surface Mining Impacts in Eastern Kentucky*
- 017 Poster(s)** David Leiferman*, South Dakota State University; *Poet's Table: Secret Places of the Black Hills, South Dakota*
- 018 Poster(s)** Daniel Phillips*, University of California - Santa Barbara; *Communities of Interest at Different Scales*
- 019 Poster(s)** Paris Robberstad*, Southern Connecticut State University; Laura Abreu*, Southern Connecticut State University; Miranda Holland*, Southern Connecticut State University; Maeve Rourke, Southern Connecticut State University; Lauren Brideau, Southern Connecticut State University; Brooke Mercaldi, Southern Connecticut State University; Brianna Savage, Southern Connecticut State University; Elisabeth Heikkinen, Southern Connecticut State University; Cat Weed, Southern Connecticut State University; Danielle Ruzicki, Southern Connecticut State University; Ellie Carlino, Southern Connecticut State University; Michaela Garland, Southern Connecticut State University; Stephen Axon, Southern Connecticut State University; *The real inconvenient truth: Making climate justice a big deal on campus!*
- 020 Poster(s)** Caitlin Jones*, Florida State University; *Infrastructure, Subjectivity, and the Debates Surrounding Expressway Expansion into Split Oak Forest*
- 021 Poster(s)** Richard Earl*, Texas State University; Daria Andrievskikh, Texas State University; Christina W. Lopez, Texas State University; *An Update on the Perceptions of Flood Hazards in Flash Flood Alley*
- 022 Poster(s)** Masayo Tsuchida*, Esri Japan Corporation; *Card game would help spatial thinking to start GIS*
- 023 Poster(s)** Sophie Brown*, SUNY ESF; *Elements of place name restoration: repair and replenishment in language*
- 024 Poster(s)** Matthew Plummer*, Pennsylvania State University; *Landmark-Based Navigation for Disaster Mitigation*
- Francisco; *Modeling co-clustering of tobacco and cannabis outlet density and its impact on geographic disparities*
- 003 Poster(s)** Lindsay Spell*, Population Geographer, U.S. Census Bureau; *Micropolitan Statistical Areas in the United States*
- 004 Poster(s)** Joshua Starner*, Virginia Tech; Laurence Carstensen Jr., Virginia Tech; *Spatial Variability in the Convenience of Battery Electric Vehicle Routes Reliant on DC Fast Chargers*
- 005 Poster(s)** Colin Buckowski*, SUNY - Geneseo; *An Analysis of the Former New York, West Shore and Buffalo Railroad Track Bed for Rail Re-use*
- 006 Poster(s)** Eric Nielsen*, University of Nevada, Reno; *Emerging Transportation Technologies and the Influence of Access to Jobs: a Comparison of Growing and Shrinking Cities*
- 007 Poster(s)** Chengliang Liu*, East China Normal University; *Spatial heterogeneity of ports in the global maritime network detected by weighted ego network analysis*
- 008 Poster(s)** Joshua Davidson*, University of Pennsylvania; *Testing for exceptional concentrations in the spatial patterns of commuters*
- 009 Poster(s)** JAMEY VOORHEES*, Oklahoma State University; *Bicycle Networks, Recreation vs Transportation: An examination of how bicycle infrastructure is marketed to the citizens who eventually have to pay for the system.*
- 0010 Poster(s)** YI-CHIH TSENG*, Department of Geography, Chinese Culture University; CHIH-YUAN CHEN, Department of Geography, Chinese Culture University; *Mining Spatio-temporal Co-occurrence Patterns of Public Bike Usage and Bicycle Accidents in Taipei City*
- 011 Poster(s)** Caryn DeCrisanti*, Central Connecticut State University; *Permits, Fees, & Prohibitions: A Survey of Parking Management Practices at Commuter Universities*
- 012 Poster(s)** Alexander M. Chrvala*, University of Mary Washington; *Extending Interstate 97 to Richmond to Fix Mid-Atlantic Transport Headache*
- 013 Poster(s)** Hongbo Yu*, Oklahoma State University; Yun Zhao, University of Illinois at Springfield; *Evaluating the Impact of a Proposed High-speed Rail (HSR) on Modal Competition for Intercity Travels*
- 014 Poster(s)** Ryan Fischer*, Bridgewater State University; *Light Rail Site Suitability for Tampa, Florida*
- 015 Poster(s)** Agraw Ali Beshir*, Graduate Student, Department of Urban Planning and Design, University of Seoul, Seoul, Korea; Song Jaemin, Associate Professor, Department of Urban Planning and Design, University of Seoul, Seoul, Korea; *Assessing Public Transportation Equity Using Transit Supply Index and Gini Coefficient: The Case of Addis Ababa, Ethiopia*
- 016 Poster(s)** Fengjun Jin*, *Evolution of China's transportation geography since reform and opening-up: patterns and regular rules*
- 017 Poster(s)** William Canup*, University of North Carolina - Greensboro; *Assessing Caribbean Passenger Air Connectivity Using Spatial Interaction Models*
- 018 Poster(s)** Connor Morrin*, *Funding Public Education Through Regressive Wealth Taxation In 169 Connecticut Towns*
- 019 Poster(s)** Kirsten Berg*, California State University; *How Green is The Green Port? Shifting Community-Port Narratives in Long Beach, California*

Saturday-043.2-8:00 a.m. Transportation and Urban Planning

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** Priyanka Vyas*, University of California, San Francisco; Pamela Ling, University of California, San

SATURDAY, April 6 • 8:00 AM - 9:40 AM • Poster Sessions

- 020 Poster(s)** Jiaxu Fang*, Georgia Institute of Technology; Shuang Xi*, Georgia Institute of Technology; *Research of Gentrification in Downtown Atlanta from 2008 to 2014*
- 021 Poster(s)** Ryan James*, Northern Illinois University; *Geographic Differences in Income and Cost of Living: Do Location and Policy Matter?*
- 022 Poster(s)** Frank Tolbert*, Binghamton University; *Geospatial Analysis of Fair Market Rental Values and Section 8 Landlord Refusals: Westchester County, NY*
- 023 Poster(s)** Elina Sukaryavichute*, University of North Carolina at Charlotte; *Changes in commercial landscapes of transit neighborhoods in Charlotte, NC: preliminary analysis*
- 024 Poster(s)** William Doolittle*, University of Texas - Austin; *Make Veracruz Great Again*
- 025 Poster(s)** Elizabeth Garrett*, Timmons Group; *Engaging Audiences with a Virginia Department of Transportation Program Using an Esri Story Map*

Saturday-043.3-8:00 a.m. Cultural and Political Ecology

Specialty Group Poster Session (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Stepha Velednitsky, University of Wisconsin - Madison

- 002 Poster(s)** Rong Bao*, University of Richmond; David S. Salisbury, University of Richmond; *Mapping Green Philanthropy and Sustainable Development: A Case Study of the Ford Foundation, 1952-2004*
- 003 Poster(s)** Jamie McEvoy*, Montana State University; Elizabeth Shanahan, Montana State University; Nicolas Bergmann, Montana State University; Eric Raile, Montana State University; Clemente Izurieta, Montana State University; Richard Ready, Montana State University; Ann Marie Reinhold, Montana State University; Geoffry Poole, Montana State University; Henry King, Montana State University; *How Views of "Dubious" Science Affect Public Perception of Floodplain Management along the Yellowstone River, Montana, USA*
- 004 Poster(s)** Maria Elisa Christie*, Director, Women and Gender in International Development, Virginia Tech; Kellyn Montgomery, M.Sc., Virginia Tech; Mary Harman Parks, M.Sc., Virginia Tech; Megan Puhl, MPA, Virginia Tech; Kaitlyn Spangler, M.Sc., Virginia Tech; Daniel Mark Sumner, M.Sc., Virginia Tech; Emily Van Houweling, Ph.D., Virginia Tech; Laura Zselezky, MPA, Virginia Tech; *Using participatory mapping in gender and development research: Presenting counterhegemonic possibilities*
- 005 Poster(s)** Daanish Mustafa*, Lecturer, King's College, London; Justin Sharpe, King's College, London; Erin Roberts, King's College, London; *Political Ecology of SDGs*
- 006 Poster(s)** Robin Rives*, University of South Florida; Martin Bosman, Ph.D., University of South Florida; Kevin Paul Martyn, Ph.D. Candidate, University of South Florida; *An Exploration of the Effects of Waste-to-Energy Incineration on the Environment and Public Health in Tampa, Florida*
- 007 Poster(s)** Mary Hartford*, University of Connecticut; *Flood and flux: NFIP policy effects on coastal communities*
- 008 Poster(s)** David Havlick*, Professor, University of Colorado - Colorado Springs, CO; Lee Cerveny, US

Forest Service, Pacific Northwest Research Station; Monika Derrien, US Forest Service, Pacific Northwest Research Station; *Back to Nature: Military Veterans, Outdoor-Based Therapy, and Public Lands*

- 009 Poster(s)** Jamie Gagliano*, Syracuse University; *Cross-Generational Mobilization: Land Rights, Intersectionality and Social Movements in Paraguay*
- 0010 Poster(s)** Mike Pease*, Associate Professor, Central Washington University; Christina White, Central Washington University; *Conduit to Tribal and Environmental Justice? Treaties, Fishing, and Infrastructure*
- 011 Poster(s)** Brittany D Jones*, University of Toledo, Spatially Integrated Social Sciences; *Social Networking of Michigan's Farm to School Program*
- 012 Poster(s)** Rebecca Witinok-Huber*, University of Idaho; Steve Radil, University of Idaho; Dilshani Sarathchandra, University of Idaho; *Geographies of gender and agriculture in north-central Liberia*
- 013 Poster(s)** Monica Stack*, *Community Solar and Distributional Justice*
- 014 Poster(s)** Sloane Palmer*, *Critical Perspectives on Water Development in Palestine*
- 015 Poster(s)** Dale Lightfoot*, Oklahoma State University; *Mine Adits, Bierkellers, and the Qanats of Bavaria-Bohemia*
- 016 Poster(s)** Caitlin M. Lucas*, Wetland Studies and Solutions Inc.; Claire A. Jantz, PhD, Center for Land Use and Sustainability (CLUS), Shippensburg University, Shippensburg, PA 17257; *Evaluating energy infrastructure land use in the Delaware River Basin*
- 017 Poster(s)** Priscilla Lema*, University of North Alabama; *Understanding Small Town Sprawl Using GIS*
- 018 Poster(s)** Cynthia Gorman, Ph.D, West Virginia University; Martin Aucoin*, West Virginia University; Thompson Gross, West Virginia University; *Migration and Meatpacking: Story-mapping the relationship between Big Meat, Migrants and Federal Enforcement*
- 019 Poster(s)** Jean Eichhorst*, University of Wisconsin-Eau Claire; *Water policy and value in the US Republican River basin*

Saturday-043.4-8:00 a.m. Elections and Electoral Geography

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Fiona Davidson, University Of Arkansas

- 002 Poster(s)** Fiona Davidson*, University Of Arkansas; *Shelby vs. Holder and the Geography of Voter Suppression*
- 003 Poster(s)** Ryan Weichelt*, University of Wisconsin - Eau Claire; *Electoral Geography of the 2018 Midterm Elections in Wisconsin*
- 004 Poster(s)** Clark Archer, University of Nebraska-Lincoln; Fred M Shelley, University of Oklahoma; Robert Watrel*, South Dakota State University; *US House Elections of 2018: Incoming Blue Wave or Receding Red Tide?*
- 005 Poster(s)** Jesse Andrews*, Oklahoma State University; *Distance and State Legislators Occupational Composition*
- 006 Poster(s)** William Repasky*, Pennsylvania State University; *Projecting the 2020 Election in Texas*
- 007 Poster(s)** Lauren Hile*, *White Supremacy in Pennsylvania's 21st Century: White Supremacist Hate Groups and the Rising Concentration of the White Population and Its Working Class in Pennsylvania*

SATURDAY April 6 • 8:00 AM - 9:40 AM • Poster Sessions

- 008 Poster(s)** Anthony Hoffman*, University of Wisconsin-Stout; *Wisconsin Voting Services Access*

Saturday-043.5-8:00 a.m. Geographic Dimensions of Natural Resource Conflicts, Environmental Crime, and Transnational Terrorist and Criminal Networks (Sponsored by Public/Private Affinity Group, Applied Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Peter Chirico, United States Geological Survey

- 002 Poster(s)** Marcus Boyd*, PhD, University of Maryland - College Park; Joshua House, University of Maryland - College Park; Brady Woods, University of Maryland - College Park; *Transnational Illicit Trafficking (TransIT) Pathways*
- 003 Poster(s)** Michael Slattery*, Texas Christian University; William Fowlds, Amakhala Game Reserve; *A species on the brink: The rhino crisis in South Africa*
- 004 Poster(s)** Lily McDonough*, U.S. Military Academy; *Human Trafficking: An Analysis of U.S. Soldier's knowledge and perception on the Army's Combatting Trafficking in Persons (CTIP) Training*
- 005 Poster(s)** Jaime Yarosh*, Bloomsburg University; *The al-Qaeda Appeal: Exploring Trends of Domestic Terrorism Through a Geospatial Lens*
- 006 Poster(s)** Sylvia Feghali*, *Counter-narratives to counter violence: The importance of community-led development in Eastleigh, Nairobi*
- 007 Poster(s)** Zoe Pearson*, University of Wyoming; *Bolivia's coca policy and international drug policy reform*
- 008 Poster(s)** Ben Oelke*, Frostburg State University Undergraduate / Environmental Research Assistant, Frostburg State University / Western Maryland GIS Center; Morgan Alban, Frostburg State University Undergraduate / GIS Technician and Cartographer, Frostburg State University / Western Maryland GIS Center; Michala Garrison, Frostburg State University Undergraduate / GIS Analyst, Frostburg State University / Western Maryland GIS Center; *Mapping Power Stations and Coal Combustion Residuals in the Chesapeake Bay Watershed*
- 009 Poster(s)** Olena Boiko*, South Dakota State University; *Land cover changes within and around protected areas in Cote d'Ivoire from 1986 to 2017: a case study of Mabi-Yaya-Songan-Tamin reserved forests*
- 0010 Poster(s)** Melissa Songer*, Smithsonian Conservation Biology Institute; Melissa Songer, Ph.D., Smithsonian Conservation Biology Institute; Myint Aung, Friends of Wildlife; Peter Leimgruber, Ph.D., Smithsonian Conservation Biology Institute; Grant Connette, Ph.D., Smithsonian Conservation Biology Institute; *Dynamics of dry tropical forests, local communities, and protected areas: A case study from Myanmar*
- 011 Poster(s)** Dan Opstal*, US Geological Survey; Terry Slonecker, US Geological Survey; Nancy Simon, US Geological Survey; *Harmful Algal Blooms: A Science and Security Concern*
- 012 Poster(s)** Sindhuja Sunder*, University of Delaware; Saleem Ali, University of Delaware; *Reconciling indigenous rights and transparent governance: questioning policy responses to black-market diamond sales in Panna, India*

- 013 Poster(s)** Kelsey O'Pry*, Natural Systems Analyst, Inc.; Jessica D DeWitt, PhD, United States Geological Survey; *Exploring the limitations of automated classification and feature extraction: A case study examining clay kilns in Kabul, Afghanistan*

- 014 Poster(s)** Anika Berger*, Clark University; Florencia Sangermano, Clark University; John Rogan, Clark University; *Mapping Vulnerability to Mining-Related Deforestation in Madre de Dios, Peru*

- 015 Poster(s)** Peter Chirico*, Supervisory Geographer, United States Geological Survey; Sarah Bergstresser, Natural Systems Analysts contracted to the U.S. Geological Survey; *Diamond Mining and Conflict in the Central African Republic*

Saturday-043.6-8:00 a.m. Food and Agriculture

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): The American Association of Geographers

- 002 Poster(s)** Corinna Cicci*, USMA; *Defining the Vernacular South Using the Prevalence of Southern Food*
- 003 Poster(s)** John Dematteo*, *Plastic Straw Ban*
- 004 Poster(s)** Nicholas Chan*, Santa Clara University; Griffin Garner, Santa Clara University; Christopher Bacon, Santa Clara University; Bill Sundstrom, Santa Clara University; *Tracking International Development Funding of Smallholder Coffee Cooperatives in Nicaragua*
- 005 Poster(s)** Mary Buchanan*, University of Connecticut; *Alternative Landscape Futures for Local Agriculture in Windham County, Connecticut*
- 006 Poster(s)** Meghavi Prashnani*, University of Maryland; *Evaluation of agriculture expansion and cropping pattern change in central state of India*
- 007 Poster(s)** Audrey Denvir*, University of Texas - Austin; *Avocados become a global commodity: Consequences for landscapes and people*
- 008 Poster(s)** Jarrett Roland*, Auburn University; Philip Chaney, Auburn University; *Water Use Reporting for Irrigation in the Tennessee River Valley Region of Alabama*
- 009 Poster(s)** Jamie Spinney*, South Dakota State University; *Eating Alone: Decline of the Family Meal in Canada*
- 0010 Poster(s)** Vaclav Petras*, Center for Geospatial Analytics, North Carolina State University; Kellyn P. Montgomery, Center for Geospatial Analytics, North Carolina State University; Anna Petrasova, Center for Geospatial Analytics, North Carolina State University; Ross K. Meentemeyer, Center for Geospatial Analytics, North Carolina State University; *Simulation of plant import pathways for avoiding pest invasions*
- 011 Poster(s)** Cameron Franz*, Pennsylvania State University; Zachary Goldberg, M.S. (in progress), Pennsylvania State University; *Governance of Agricultural Development in the High Atlas (Morocco)*

Saturday-043.7-8:00 a.m. Geographies of Media and Communication Specialty Group Poster Session (Sponsored by Media and Communication Geography Specialty Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

- 002 Poster(s)** Jacob Cooper*, The University of Tennessee, Knoxville; Edward Davis*, Emory & Henry College;

SATURDAY, April 6 • 8:00 AM - 9:40 AM • Poster Sessions

Fandom on the Air: Updating the Geography of Collegiate Football Radio Broadcasting

003 Poster(s) Yun Liang*, Department of Tourism, Recreation and Sport Management, University of Florida; Andrei Kirilenko, Department of Tourism, Recreation and Sport Management, University of Florida; Svetlana Stepchenkova, Department of Tourism, Recreation and Sport Management, University of Florida; *Using Social Media Photographs to Analyze Tourists' Risky Behaviors*

004 Poster(s) Emily Fekete*, American Association of Geographers; Matthew Haffner, University of Wisconsin - Eau Claire; *Virtual coffee break or conference backchannel? A look at #AAG2018*

005 Poster(s) Katherine Roselius*, University of Oxford; *Partisan Media Fragmentation: How Climate Change is Framed in American Online Partisan News Sources*

006 Poster(s) Owen Jennings*, University of Hawaii - Manoa; *The Resurgent Wire-Bird: Coming immediacy and new threads of connection to Saint Helena*

007 Poster(s) Kelly Jones*, University of Oklahoma; *Crisis Communication by FEMA and Red Cross Via Twitter During Hurricanes Harvey, Irma, Lane, Matthew, and Micheal*

008 Poster(s) Andrew Patterson*, Pennsylvania State University; *Analyzing City and Community Engagement by the Numbers: how city characteristics can predict involvement in community engagement initiatives.*

009 Poster(s) Yanan Xin*, Department of Geography, The Pennsylvania State University; Alan M. MacEachren, Department of Geography, The Pennsylvania State University; *Semantically-Enriched Trajectory Analysis for College Football Event Attendees Using Twitter Data*

0010 Poster(s) Jing Qin*, *Exploring the spatial characteristics of Beijing inbound tourist flow base on geotagged photos*

011 Poster(s) Darby Libka*, *#nola eats: Marketing New Orleans' French Quarter Restaurants Using Instagram*

012 Poster(s) Ling Bian*, University at Buffalo; Penghang Liu*, University at Buffalo; Pierpaolo Di Carlo, University at Buffalo; Jeff Good, University at Buffalo; Yujia Pan, University at Buffalo; *Spatial Distribution of Language Use between and within Generations of Multilinguals in a Rural African Region*

013 Poster(s) Cayton Moore*, University of Oklahoma; *Discourse Mapping the Middle East: Computer-Assisted Text Analysis in Geography*

014 Poster(s) Frinwei Achu*, University of KwaZulu Natal, South Africa; Urmilla Bob, University of KwaZulu Natal, South Africa; *Images and representations of women associated with the 2016 African Women Cup of Nations (AFCON) held in Cameroon*

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Saturday-047-8:00 a.m. 2020 Census: Geographic Perspectives for Teaching and Learning

Room: Balcony A, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Rebecca Theobald, University of Colorado Colorado Springs

CHAIR:

Introduction(s): Rebecca Theobald, Assistant Research Professor, University of Colorado Colorado Springs

Panelist(s): Michael Ratcliffe, Asst. Div. Chief, Geographic Standards, Criteria, Research, & Quality, U.S. Bureau Of the Census; Joseph Kerski, Geographer, Esri; Anita Palmer, GISet

Saturday-048-8:00 a.m. Hazards, Risks, and Disasters 10 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Naomi Lazarus, California State University - Chico

8:00 Huili Hao*, University of North Carolina Wilmington; Devon Eulie, University of North Carolina Wilmington; Jeffery M. Hill, University of North

Carolina Wilmington; *Coastal Hazards, Risk Perceptions and Reality*

8:20 Kristen Chaney*, Southern Connecticut State University; *Risk perceptions of coastal hazards in Connecticut*

8:40 Kyle Pecsok*, Clark University; Shawn Landry, University of South Florida; Rebecca Zarger, University of South Florida; Leah Finegold, Oberlin College; Katia Kozachok, University of Minnesota, Morris; *Influence of Waterbody Proximity and Flood Experiences on Perceptions of Climate Change in the Tampa Bay Region*

9:00 Li-San Hung*, *Married couples' decision-making regarding hurricane preparedness: A dyadic approach*

9:20 Chongming Wang*, Jacksonville State University; *Older Adults' Hurricane Risk Perceptions and Behavioral Responses*

Saturday-049-8:00 a.m. Forest Degradation and Tree Health

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Matthew Morrissey, Western Michigan University

SATURDAY April 6 • 8:00 AM - 9:40 AM

- 8:00** Jake Nelson*, Arizona State University; Tony Grubestic, Arizona State University; *Throwing Shade: Investigating the Distribution of Trees in Phoenix, Arizona*
- 8:20** Mohamed Hereher*, Sultan Qaboos University; Fatma AL-Jabri, Sultan Qaboos University; Hamda AL-Kharusi, Sultan Qaboos University; Talal Al-Awadhi, Sultan Qaboos University; *Assessment of forest degradation in southern Oman using MODIS time series analysis*
- 8:40** Erik Lyttek*, Montclair State University; Pankaj Lal, Montclair State University; Eric Forgeston, Montclair State University; *The Role of Stochasticity and Stratified Dispersal in Predicting a Difficult to Detect Pest: The case of Emerald Ash Borer (EAB) in New Jersey*
- 9:00** Emily Bukowski*, Syracuse University; *Bureaucrats and Beetles: Why Quarantines Couldn't Save the Elm*
- 9:20** Matthew Morrissey*, Western Michigan University; *Understanding individuals' perceptions of oak wilt and its implications for invasive species management*

- 8:20** Olivia Hinton*, California State University - Fullerton; Christine Lucas, University of the Republic, Paysandu, Uruguay; Sunshine Brosi, Frosburg State University, MD, USA; Lara Van Akker, Canadian Forest Service, Victoria, BC, Canada; Sanjay Bhandari, Indiana State University, Terre Haute, IN, USA; *Climate Response of Trees within the Greater Yellowstone Ecoregion, USA*
- 8:40** Laura Smith*, University of Tennessee; *Reevaluating the Florence Hawley Collection and Development of Hydroclimate Reconstructions in the Tennessee Valley Region*
- 9:00** Christine Biermann*, University of Colorado Colorado Springs; *Grappling with changing climate sensitivities: Highlights from a survey of dendro-scientists*
- 9:20** Dorian J. Burnette*, University of Memphis; David H. Dye, University of Memphis; Arleen A. Hill, University of Memphis; *Drought, disruption, and deities: a multi-disciplinary investigation of environmental change over the northern Lower Mississippi Valley*

Saturday-050-8:00 a.m. Building Better Methods in Economic Geography I (Sponsored by Economic Geography Specialty Group, Qualitative Research Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper)
 Time: 8:00 a.m. - 9:40 a.m.
 ORGANIZER(S): Pengfei Li; Harald Bathelt, University of Toronto
 CHAIR: Harald Bathelt, University of Toronto

- 8:00** Sally Weller*, Australia Catholic University; *Collapsing the Qualitative-Quantitative Divide: New Approaches in Longitudinal Studies*
- 8:20** Roel Rutten*, Tilburg University; *Openness Values and Regional Innovation: A Set-Analysis*
- 8:40** Johannes Glückler*, Heidelberg University; Robert Panitz, Heidelberg University; *Structure and Meaning: Situational Organizational Network Analysis*
- 9:00** Shengjun Zhu*, *Good neighbors, bad neighbors: local knowledge spillovers, regional institutions and firm performance in China*
- 9:20** Shiri M Breznitz*, University of Toronto; Douglas S Noonan, Indiana University; *Spikey or Flat? Crowdfunding and Regional Advantage*

Saturday-051-8:00 a.m. W4_8 Geospatial Analysis and Data Science

Room: Johnson, Marriott, Mezzanine Level (Workshop)
 Time: 9:00 a.m. - 6:00 p.m.
 ORGANIZER(S): The American Association of Geographers
 CHAIR:

Saturday-052-8:00 a.m. Dendrochronology I: Dendroclimatology (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Paper)
 Time: 8:00 a.m. - 9:40 a.m.
 ORGANIZER(S): Grant Harley, University of Idaho; Justin Maxwell, Indiana University
 CHAIR: Grant Harley, University of Idaho

- 8:00** James Speer*, Indiana State University; James M Gustafson, PhD, Indiana State University; *The Contribution of Drought to the Cultural Collapse of the Safavid Empire of Iran at the End of the 17th Century*

Saturday-054-8:00 a.m. Global Change Risk of Population and Economic Systems: Mechanisms and Assessments

Room: Marshall North, Marriott, Mezzanine Level (Lightning Paper)
 Time: 8:00 a.m. - 9:40 a.m.
 ORGANIZER(S): Peijun Shi, Beijing Normal University; Laixiang Sun, University of Maryland - College Park
 CHAIR: Peijun Shi, Beijing Normal University

- 8:00 Introduction(s):** Peijun Shi, Professor, Beijing Normal University
- 8:03** Peijun Shi*, Professor, Beijing Normal University; *Progress in understanding the mechanisms and assessments of global change risks of population and economic systems*
- 8:12** Xianghui Kong*, Institute of Atmospheric Physics, Chinese Academy of Sciences; Aihui Wang, Institute of Atmospheric Physics, Chinese Academy of Sciences; Xunqiang Bi, Institute of Atmospheric Physics, Chinese Academy of Sciences; Dan Wang, Institute of Atmospheric Physics, Chinese Academy of Sciences; *Assessments of temperature extremes in China by using RegCM4 and WRF models*
- 8:19** Miaoni Gao, Beijing Normal University; Jing Yang*, Beijing Normal University; Daoyi Gong, Beijing Normal University; Peijun Shi, Beijing Normal University; Zhangang Han, Beijing Normal University; Seong-Joong Kim, Korea Polar Research Institute; *Footprints of Natural Internal Variabilities in the Low-frequency Variation of Extreme High Temperature in the Northern Hemisphere*
- 8:26** Yuan Liu*, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, Faculty of Geographical Science, Beijing Normal University; Ning Li, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, Faculty of Geographical Science, Beijing Normal University; *Indirect Economic Loss and Dynamic Change Assessment of Typhoon Ewiniar in Guangdong, China*
- 8:33** Xiaokang Hu*, School of Geography, Faculty of Geographical Science, Beijing Normal University; Yuan Gao, School of Geography, Faculty of Geographical Science, Beijing Normal University; Shiqi Li, School of Geography, Faculty of Geographical Science, Beijing Normal University; An

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Shi, School of Geography, Faculty of Geographical Science, Beijing Normal University; Jing'ai Wang, School of Geography, Faculty of Geographical Science, Beijing Normal University; Key Laboratory of Environmental Change and Natural Disaster, MOE, Beijing Normal University; *Study on Maize Vulnerability Curve under Different Precipitation Trends: A Case Study of the United States*

8:40 Yanshen Wu*, School of Geography, Faculty of Geographical Science, Beijing Normal University; Hao Guo, School of Geography, Faculty of Geographical Science, Beijing Normal University; Anyu Zhang, School of Geography, Faculty of Geographical Science, Beijing Normal University; Jing'ai Wang, School of Geography, Faculty of Geographical Science, Beijing Normal University; Key Laboratory of Environmental Change and Natural Disaster, MOE, Beijing Normal University; *Establishment and characteristics analysis of crop-drought vulnerability curve: a case study of European winter wheat*

8:47 Ning Li*, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, Faculty of Geographical Science, Beijing Normal University; Yuan Liu, Key Laboratory of Environmental Change and Natural Disaster of Ministry of education, Faculty of Geographical Science, Beijing Normal University; *The labor disruption effect in modeling flood economic impact evaluation*

8:54 Saini Yang*, Beijing Normal University; *Impact assessment model of future large-scale floods on transport system*

9:01 Guillaume Rohat*, University of Geneva, Switzerland; University of Twente, The Netherlands; NCAR, CO.; Johannes Flacke, Faculty of Geo-Information Science and Earth Observation, University of Twente, The Netherlands; Alessandro Dosio, European Commission, Joint Research Centre, Ispra, Italy; Hy Dao, University of Geneva, Switzerland; Martin van Maarseveen, Faculty of Geo-Information Science and Earth Observation, University of Twente, The Netherlands; *Projections of human exposure to deadly heat in African cities under multiple socioeconomic and climate scenarios*

9:08 Tao Ye*, Beijing Normal University; Weihang Liu, Beijing Normal University; Jidong Wu, Beijing Normal University; Yijia Li, Beijing Normal University; Peijun Shi, Beijing Normal University; *Reduced future livestock snow disaster risk in the Qinghai-Tibetan Plateau: socioeconomic development dominates the contribution*

9:15 Dandan Yu*, Shan Li, East China Normal University; *Scale of Human Thermal Sensation Using Seasonal Anchor Method: a Chinese Case Study*

9:22 **Discussant(s):** Laixiang Sun, Professor, University of Maryland - College Park

9:32 Yuan Gao*, Beijing Normal University; Jing'ai Wang, Prof.; *Study on Global Maize Yield Vulnerability to Precipitation Change*

Room: Marshall South, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Zhenlong LI, University of South Carolina; Qunying Huang, University of Wisconsin - Madison; Michael Hodgson, University of South Carolina

CHAIR: Michael Hodgson, University of South Carolina

Panelist(s): Sophia Liu, Innovation Specialist, U.S. Geological Survey; Bandana Kar, Research Scientist, Oak Ridge National Laboratory; Edwin Chow, Texas State University - San Marcos

Discussant(s): Xinyue Ye, Associate Professor, New Jersey Institute of Technology; Alex Orenstein, Action Against Hunger

Introduction(s): Michael Hodgson, Professor, University of South Carolina

Saturday-056-8:00 a.m. Leveraging New Technologies in Changing Health Care Conditions

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Yoonjung Ahn, Florida State University

8:00 Gunhak Lee*, Seoul National University; Jiwoo Kim, Seoul National University; *Optimal visiting routes of the public hospital ship for medically underserved islands of South Korea*

8:20 Chen Lyu*; *Impact of Chinese medical treatment reform on the equality and accessibility to public health facilities: A case study of Beijing*

8:40 William Caleb Parker*, FHI 360; Everline Ashiono, FHI 360; Afya Nyota ya Bonde; Kayla Stankevitz, FHI 360; Marga Eichleay, FHI 360; *Modeling and costing potential solutions to improve service delivery with Unmanned Aerial Vehicles (UAVs): A case study of an HIV care and treatment program in Turkana County, Kenya*

9:00 Yoonjung Ahn*, Florida State University; Yeora Chae, Korea Environment Institute; *Analyzing spatial equality of cooling service shelters, Central district of Seoul metropolitan city, South Korea*

Saturday-057-8:00 a.m. Outbreaks in Historical and Contemporary Perspectives

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Erez Hatna, New York University

8:00 Ivy Marr*, Castleton University; *Spatial Analysis of Boston's 1872 Death Records to Investigate Historical Disease Patterns*

8:20 Xi Cheng*, University At Buffalo; Ling Bian, University at Buffalo; *The Spatial Pattern of Home-Workplace Mobility and the risk of Influenza-like Illness (ILI)*

8:40 Rachel Woodul*, The University of North Carolina at Chapel Hill; Paul L Delamater, The University of North Carolina at Chapel Hill; Michael Emch, The University of North Carolina at Chapel Hill; *Hospital Surge Capacity for an Influenza Pandemic in the Triangle Region of North Carolina*

Saturday-055-8:00 a.m. Social Sensing and Big Data Computing for Disaster Management (Sponsored by Cyberinfrastructure Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

SATURDAY April 6 • 8:00 AM - 9:40 AM

9:00 Caroline Larsen*, University of California, Davis, Graduate Group in Ecology; Robert Hijmans, University of California, Davis, Department of Environmental Science & Policy; James Carey, University of California, Davis, Department of Entomology & Nematology; *Covert lives of furtive flies: Extracting establishment signals from spatiotemporally sporadic detection data*

9:20 Erez Hatna*, New York University; Sharon K. Greene, New York City Department of Health and Mental Hygiene; Vasudha Reddy, New York City Department of Health and Mental Hygiene; Katelynn Devinney, New York City Department of Health and Mental Hygiene; Beth Niviv, New York City Department of Health and Mental Hygiene; Alyssa Masor, New York City Department of Health and Mental Hygiene; *Agent-Based Model of Shigellosis in the Ultra-Orthodox Jewish Community in New York City*

Saturday-058-8:00 a.m. Coastal Geographies

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

8:00 Riley Bibaud*, Stetson University; *Scleractinian Coral Disease Prevalence in Relation to Marine Park Boundaries*

8:20 ISHMAEL DADSON*, Dr., UNIVERSITY OF EDUCATION, WINEEBA; *Wave action or sub-aerial processes? The case of coastal features along the Gold Hill beach in Komenda, Ghana*

8:40 Sümeyra Kurt*, Xingong Li, University of Kansas; *Sea Level Rise and Its Effects on Turkey's Coasts*

9:00 Matthew Miller*, Southern Connecticut State University; *Coastline and Bathymetric changes in New Haven Harbor: 1846-2016*

9:20 Shixiong Hu*, Department of History & Geography, East Stroudsburg University of PA; *Study on Coastal Processes with LiDAR Data*

Saturday-060-8:00 a.m. Human Mobility, Environmental Contexts, and Geospatial Data Mining

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kangjae Lee, Illinois Informatics Institute, University of Illinois at Urbana Champaign; Jue Wang, University of Illinois; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR: Kangjae Lee, Illinois Informatics Institute, University of Illinois at Urbana Champaign

8:00 Phoebe Tran*, Lam Tran, University of Michigan; *Comparisons between 2015 US Asthma prevalence and two measures of asthma burden by racial/ethnic group*

8:20 Jing Li*, Dr., University of Denver; Tong Zhang, Wuhan University; Xuantong Wang, University of Denver; *A spatiotemporal sequence mining approach for ship trajectory data*

8:40 Alexander Savelyev*, Texas State University; *Exploratory Visualization of Massive Movement Datasets Derived from Social Media Data*

9:00 Age Poom*, University of Tartu; *Developing dynamic greenspace exposure assessment methodology from long-term GPS tracking dataset*

9:20 Jay Christian*, PhD, MPH, University of Kentucky; Courtney Walker, University of Kentucky; Bin Huang, DrPH, MS, University of Kentucky; *Using commercially available address data to investigate cancer and mountaintop removal coal mining*

Saturday-061-8:00 a.m. Geographies of Refuge: Displacing Violence and Locating Protection I (Sponsored by Geographic Perspectives on Women Specialty Group, Political Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Malene Jacobsen, University of Kentucky; Elisa Pascucci, University of Helsinki

CHAIR: Elisa Pascucci, University of Helsinki

8:00 Zohra Akhter*, The Australian National University; *Racism, Cultural Purity and Canadian Refugee Policy, 1920s -1930s*

8:20 Karen Culcasi*, Associate Professor, West Virginia University; *Pre-colonial Connections in a Post-colonial Present: Experiences and Imaginings of Syrian and Palestinian Refugees in Jordan*

8:40 Elaine Ho*, National University of Singapore; *Forced migration in/of Asia: Interfaces and Kachin Internally Displaced People (IDP) at the China-Myanmar Border*

9:00 Ali Hamdan*, UCLA; *Refugee Geopolitics and the Mobilization of Exile Space*

9:20 **Discussant(s):** Kate Coddington, Dr., University at Albany

Saturday-062-8:00 a.m. Water Resources and Hydrology I

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Kamal Alsharif, University of South Florida, School of Geosciences

8:00 Melissa McCracken*, Oregon State University; *Defining "Effective" Transboundary Water Cooperation: A Preliminary Look*

8:20 Blaise Murphy*, Department of Geography and the Environment, University of Texas at Austin; Alexander Menaker, Department of Anthropology, University of Texas at Austin; *Land and Water Management in Andagua Valley, Peruvian Andes*

8:40 Javier Rubio*, Universidad De Guanajuato; *Water Struggles between United States and Mexico. The Colorado River Delta. California 2011-2018 Big Drought.*

9:00 Gengxin Ou*, *Climate change implications for irrigation and groundwater in the Republican River Basin, U.S.A.*

9:20 Kamal Alsharif*, Ph. D., School of Geosciences, University of South Florida; Natalie Kuraya-Ziyadeh, M.S., School of Geosciences, University of South Florida; *People's Knowledge and Behavior about Reclaimed Water for Lawn Irrigation: A City and County Perspectives*

Saturday-063-8:00 a.m. Geographic Dimensions of Health in Africa (Sponsored by Africa Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

SATURDAY, April 6 • 8:00 AM - 9:40 AM

ORGANIZER(S): Raymond Tutu, Delaware State University

CHAIR: Raymond Tutu, Delaware State University

- 8:00** Katerina Brandt*, University of North Carolina at Chapel Hill; *Spatial variability of the relationship between fuel use and respiratory illness in sub-Saharan Africa*
- 8:20** Barbara Kagima*, University of Iowa; *Spatial Analysis of Hypertension Screening, Prevalence, and Treatment in Kenya*
- 8:40** Mark Deka*, Texas State University - San Marcos; *Multiscale Geospatial Analysis of Tungiasis Disease Transmission Risk in East Africa*
- 9:00** Laura Brianna Gast*, DrPH, MPH, MGIS, Clinton Health Access Initiative, South Africa; Mbavhalelo Bridget Shandukani, MPH, National Department of Health, South Africa (NDOH); Craig Davies, Clinton Health Access Initiative, South Africa; Ryleen Balawanth, Clinton Health Access Initiative, South Africa; Tshililo Eric Raswisi, KwaZulu-Natal Department of Health, Malaria Control Programme; Gillian Malatje, Mpumalanga Department of Health, Malaria Control Programme; Qavanisi Eric Mabunda, Limpopo Department of Health, Malaria Control Programme; Devanand Patrick Moonasar, DrPH, National Department of Health, South Africa (NDOH); *Nearing Malaria Elimination: How Fine-Scale GIS Mapping is Enabling South Africa to Better Understand Malaria Transmission and Optimize Interventions*
- 9:20** Raymond Tutu*, Ph.D., Delaware State University; Sangeeta Gupta, Ph.D., Delaware State University; Janice Desire Busingye, Ph.D., Kampala International University; *Health Literacy on Cholera: A Qualitative Examination of Social Context of Health Decision-Making and Access to Health Information in James Town, Accra.*

Saturday-064-8:00 a.m. A New Regional World? Exploring Emerging and Reconfigured Subnational Spatial Scales 1 (Sponsored by European Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Christian Sellar, University of Mississippi; Megan Dixon, The College of Idaho

CHAIR: Megan Dixon, The College of Idaho

- 8:00** Christian Sellar*, University of Mississippi; Silvia Grandi, University of Bologna; *Reinterpreting regions through Bourdieu's field theory*
- 8:20** Gruia Badescu*, University of Konstanz; *Between Urban Geopolitics and Regional Entanglements: A Postcolonial Lens on Spatial Reconfigurations in Southeastern Europe*
- 8:40** Isnu Putra Pratama*, Institut Teknologi Bandung; Haryo Winarso, Institut Teknologi Bandung; Delik Hudalah, Institut Teknologi Bandung; Ibnu Syabri, Institut Teknologi Bandung; *Strategic Non-Urban Space Towards Planetary Urbanization: A Perspective from Indonesia*
- 9:00** William Kutz*, University of Cambridge; Ilaria Giglioli, New College of Florida; *On the constitutive power of outsiders, critical geopolitics and local states*
- 9:20** Steven Rolf*, University of Bristol; *Capital, state and labour in China's 'compressed urbanisation': A brief history of Dongguan city*

Saturday-065-8:00 a.m. Fluvial Forms and Processes I (Sponsored by Geomorphology Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kory Konsoer, Louisiana State University; Inci Guneralp, Texas A&M University; Quinn Lewis, University of Illinois

CHAIR: Kory Konsoer, Louisiana State University

- 8:00** Ranbir Kang*, WIU-QC, Department of Geography; Dale Hadley Vitt, Southern Illinois University - Carbondale; *Effects of Moss Treatments on the Top Soil Moisture of Stream Banks*
- 8:20** Jacob McDonald*, University of Georgia; *Variable-ity in power to detect change*
- 8:40** Robert T. Pavlowsky*, Missouri State University; Scott A. Lecce, East Carolina University; *Long-term bed sediment dispersal rates using mine tailings tracers in the Ozark Highlands*
- 9:00** Allan James*, University Of South Carolina; *Responses of mountain valley sinuosity to climate and anthropogenic change*
- 9:20** Kory Konsoer*, Assistant Professor, Louisiana State University; Bruce Rhoads, University of Illinois, Urbana-Champaign; Jim Best, University of Illinois, Urbana-Champaign; Eddy Langendoen, USDA National Sedimentation Laboratory; Marcelo Garcia, University of Illinois, Urbana-Champaign; *Interactions between near-bank three-dimensional flow structure and large woody debris in an elongate meander bend.*

Saturday-066-8:00 a.m. Large-scale Land Acquisitions and Effect on Agricultural Production, Ecosystem Services, and Smallholder Livelihoods I (Sponsored by Geographies of Food and Agriculture Specialty Group, Africa Specialty Group, Remote Sensing Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Carly Muir, Geography Dept.; Audrey Smith, University of Florida

CHAIR: Daniel Brown, University of Washington

- 8:00** Carly Muir*, Geography Dept.; Jane Southworth, University of Florida; Reza Khatami, University of Florida; Alemayehu Ayana, Ethiopian Environment and Forest Research Institute; *Agricultural Intensification and Large-Scale Land Acquisition in Ethiopia*
- 8:20** Nicholas Magliocca*, Department of Geography, University of Alabama; Quy Van Khuc, Department of Geography, University of Alabama; Ariane de Bremond, Centre for Development and Environment, University of Bern; Geographical Sciences, University of Maryland; Evan Ellicott, Geographical Sciences, University of Maryland; *Archetypical pathways of direct and indirect deforestation caused by large-scale land acquisitions in Cambodia*
- 8:40** Audrey Smith*, University of Florida; *Large-scale Land Acquisitions in Ethiopia: Implications for Ecosystem Services*
- 9:00** Puyang Li*, Arizona State University; *Modeling land change and sustainability of Chinese large-scale agricultural investments in Central Tanzania*
- 9:20** Sadie Trush*, University of Washington; *Assessing Palm Oil Plantations in Liberia Using Moderate Resolution Imagery*

SATURDAY April 6 • 8:00 AM - 9:40 AM**Saturday-067-8:00 a.m. Vegetal Geography 1: “Vegetal Geography: Is it a thing?” (Sponsored by Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group, Biogeography Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Paul Moss, University of Minnesota; Megan Betz, Indiana University

CHAIR: Paul Moss, University of Minnesota

Introduction(s): Paul Moss, PhD Student, University of Minnesota**Panelist(s):** Megan Betz, PhD Candidate, Indiana University; Franklin Ginn; Jared Margulies, University of Sheffield; Colleen Myles, Assistant Professor, Texas State University; Mariya Shcheglovitova, University of Maryland - Baltimore County**Discussant(s):** Paul Moss, PhD Student, University of Minnesota**Saturday-068-8:00 a.m. Walking the Tightrope: Practical Ideas for Women in Geography on Finding your Voice (Sponsored by Careers and Professional Development, Harassment-Free AAG Initiative)**

Room: Wilson A, Marriott, Mezzanine Level (Workshop)

Time: 9:30 a.m. - 12:00 p.m.

ORGANIZER(S): Patricia Solís, Arizona State University; Elizabeth Wentz, Arizona State University

CHAIR:

9:30 Discussant(s): Patricia Solís, Executive Director, Arizona State University**10:20 Discussant(s):** Elizabeth Wentz, Arizona State University**Saturday-069-8:00 a.m. Reclaiming Critical Space in the Academy (Sponsored by Geographic Perspectives on Women Specialty Group, Careers and Professional Development, Harassment-Free AAG Initiative)**

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kelsey Hanrahan; Beth Bee, East Carolina University; Emily Billo, Goucher College

CHAIR: Beth Bee, East Carolina University

Panelist(s): Martina Angela Caretta, PhD, West Virginia University; Caroline Faria, Dr, University of Texas - Austin; Jessica Hayes-Conroy, Associate Professor of Women's Studies, Hobart & William Smith Colleges; Federica Bono, Old Dominion University; Rebecca Dolhinow, Associate Professor, California State University Fullerton; Shea Gilliam, Graduate Student; Kate Swanson, San Diego State University; Beth Bee, East Carolina University; Kelsey Hanrahan**Discussant(s):** Emily Billo, Dr., Goucher College; Amber Murrey, Dr., University of Oxford**Saturday-070-8:00 a.m. Publishing in Geography and Food Studies (Sponsored by Historical Geography Specialty Group, Careers and Professional Development)**

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Wise, University of North Texas

CHAIR: Michael Wise, University of North Texas

Panelist(s): Michael Wise, University of North Texas; D. S. Cunningham, University of Arkansas Press; Jennifer Wallach, University of North Texas; Megan Elias, Boston University; Susan McEachern, Rowman & Littlefield**Saturday-072-8:00 a.m. Coastal and Aeolian Geomorphology I: GIS and Remote Sensing Applications of Coastal Environments (Sponsored by Coastal and Marine Specialty Group)**

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mayra Roman Rivera, University of South Carolina; Peter Tereszkievich, University of South Carolina

CHAIR: Peter Tereszkievich, University of South Carolina

8:00 Sean McGill*, University of South Carolina; Jean Ellis, University of South Carolina; *Programmable Lifeguards: Combining Surf Cameras and Computer Vision to Identify Rip Currents***8:20** Lucas Farmer*, Ohio Wesleyan University; Hannah Torres, University of Central Florida; Timothy Hawthorne, University of Central Florida; Christy Visaggi, Georgia State University; Kate Brandt, University of North Carolina at Chapel Hill; Nicholas Altizer, University of Central Florida; Michael Campos, University of Belize; *Understanding Coastal Communities with Drones and Spatial Storytelling***8:40** Nicholas M. Enwright*, USGS Wetland and Aquatic Research Center; Louisiana State University, Department of Geography and Anthropology; Lei Wang, Ph.D., Louisiana State University, Department of Geography and Anthropology; Hongqing Wang, Ph.D., USGS Wetland and Aquatic Research Center; Michael J. Osland, Ph.D., USGS Wetland and Aquatic Research Center; Laura C. Feher, USGS Wetland and Aquatic Research Center; Sinéad M. Borchert, Borchert Consulting at USGS Wetland and Aquatic Research Center; Richard H. Day, USGS Wetland and Aquatic Research Center; *The importance of the treatment of elevation uncertainty and landscape position for barrier island habitat mapping and modeling***9:00** Darbi Berry*, Suzanne Walther, PhD, University of San Diego; *Using geomorphic change detection and supervised classification from LIDAR datasets to assess potential habitat distribution in the Tijuana River Estuary, San Diego.***9:20** Mayra Roman Rivera*, PhD Candidate, University of South Carolina; Jean T Ellis, PhD, University of South Carolina; *Using Multispectral Imagery to Detect Nearshore Bars and Elucidate Beach-Dune System Dynamics***Saturday-073-8:00 a.m. New Developments and Applications in Remote Sensing of Snow and Ice (Sponsored by Cryosphere Specialty Group)**

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Caleb Pan

CHAIR: Caleb Pan

8:00 Yan Huang, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University School of Geographic Sciences, East China

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Normal University; Bailang Yu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University School of Geographic Sciences, East China Normal University; Jianping Wu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University School of Geographic Sciences, East China Normal University; SHIFENG XU*, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University School of Geographic Sciences, East China Normal University; Hongxing Liu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; Department of Geography, The University of Alabama; Shujie Wang, Lamont-Doherty Earth Observatory, Columbia University; *Spatio-temporal Analysis of Ice flow Variations on the Getz Ice Shelf, Antarctica*

8:20 Yang Hao Xuan*, East China Normal University; *Snow Cover Detection Using Daily NPP-VIIRS Day/Night Band Data*

8:40 Ben Roberts-Pierel*, Oregon State University; *Understanding intermittence of snow in the Columbia River Basin using Google Earth Engine*

9:00 Dorothy Hall*, NASA Goddard Space Flight Center; George A. Riggs, Ph.D., SSAI, Inc.; *Assessment of Uncertainties in the MODIS and NASA VIIRS Cloud-Gap Filled Snow-Cover Maps*

9:20 Christopher Cosgrove*, Oregon State University; Anne W Nolin, University of Nevada-Reno; *Can we map hard snow layers in remote mountainous terrain for wildlife applications? Modelling and passive microwave approaches.*

**Saturday-074-8:00 a.m. Geographies of Global Aging
(Sponsored by Health and Medical Geography
Specialty Group, Africa Specialty Group)**

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Andrea Rishworth, University of Waterloo

CHAIR: Susan Elliott, University of Waterloo

8:00 Jessica M Finlay*, PhD, University of Michigan; Hayley McCarron, University of Minnesota; Tamara Statz, MA, LMFT, University of Minnesota; Rachel Zmora, MPH, University of Minnesota; *A Critical Approach to Aging in Place: Comparing Personal and Professional Perspectives from the Minneapolis Metropolitan Area*

8:20 Dora Sampaio*, Max Planck Institute for the Study of Religious and Ethnic Diversity; *(Im)mobilities of transnational aging care: separation, solidarity and conflict within Brazilian families*

8:40 Andrea Rishworth*, Ms., University of Waterloo; Susan Elliott, University of Waterloo; *Examining how gender and age interact across the life course to influence wellbeing in old age: A case study of Uganda*

9:00 Jingfu Chen*; *Retirement migration of Chinese 'snowbirds' and the construction of translocal families*

9:20 Matthew Hayes*; *Travel, Cultural Difference and Active Aging in Transnational Perspective: North American Retirees in Ecuador*

Saturday-080-8:00 a.m. Geographies of Urban Real Estate I (Sponsored by Economic Geography Specialty Group)

Room: Palladian, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Glass, University of Pittsburgh; Peter Wissoker, Cornell University

CHAIR: Michael Glass, University of Pittsburgh

8:00 Daniel Trudeau*, Macalester College; Susan Moore, PhD, University College London; *Worlding New Urbanism*

8:20 Patrick Kilfoil*, McGill University; *Competitive placemaking in the knowledge economy: The case of innovation districts*

8:40 Katharine Nelson*, Rutgers University; *The resurgence of the FHA and implications for Philadelphia's neighborhoods of color*

9:00 Taylor Hafley*, PhD Student, University of Georgia; *Urban Space and Corporate Landlords: Post-Recession (sub)urban geographies in Atlanta*

9:20 Carolyn Gallaher*, American University; *REITs, Gentrification, and Displacement in Washington's Inner Suburbs*

Saturday-081-8:00 a.m. Global Infrastructure Development and Urban Transformation (Sponsored by Urban Geography Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alan Wiig, University of Massachusetts, Boston; Seth Schindler

CHAIR: Alan Wiig, University of Massachusetts, Boston

8:00 Seth Schindler*, University of Manchester; Mustafa Bayirbag*, Middle East Technical University; *State-coordinated urban revolution in Turkey*

8:20 Kristin Monroe*, *The Nation in Transit in Doha, Qatar*

8:40 Swarnabh Ghosh*, Harvard University; *Territorial Infrastructure and Techno-Managerial Faith: The Case of the Delhi Mumbai Industrial Corridor*

9:00 Alan Wiig*, Assistant Professor, UMass Boston, University of Massachusetts, Boston; *Global infrastructure and Silk Road urbanism: China's Belt and Road Initiative in London*

9:20 **Discussant(s):** Kevin Ward, Professor, University of Manchester

Saturday-082-8:00 a.m. Research Frontiers in Human Rights

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Jessica Jacobs, Queen Mary University of London

8:00 Ty Redden*; *Thirsting for Lemonade: Beyoncé and Racialized Urban Landscapes in Rio de Janeiro*

8:20 Weilin Xu*, Beijing Normal University; Shangyi Zhou, Beijing Normal University; *Interpreting the Inheritance Mechanism of the Wu Yue Sacred Mountains in China*

8:40 Hailey Macrander*, University of Denver; *A Web GIS for Human Trafficking Data Exploration*

9:00 Johanna Hood*, Sydney University; *Vital Fluid: Evolving Social, Moral and Economic Values of Blood in China*

SATURDAY April 6 • 8:00 AM - 9:40 AM

9:20 Jessica Jacobs*, Queen Mary University of London; *Can a film be an article?*

Saturday-083-8:00 a.m. Right to the City 1: Race and Place

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Natasha Martell Jackson

8:00 Matthew Wigginton Conway*, School of Geographical Sciences and Urban Planning, Arizona State University; *Whose right to the city? Just negotiations of the right to urban space*

8:20 Donghee Koh*, University of Tennessee; *Residential Segregation, Quality of Life, and Mental Health*

8:40 Andria Blackwood*, Kent State University; *A Qualitative Exploration of Community Capacity Building, Leader(ship) Efficacy, and Local Knowledge*

9:00 Natasha Martell Jackson*; *Afrofuturism and the Geographies of Smart Cities and Black Community Development*

Saturday-084-8:00 a.m. Crying Power: Music and Protest (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Audrey Kobayashi, Queen's University; David Wilson, University Of Illinois

CHAIR: Audrey Kobayashi, Queen's University

8:00 Introduction(s): Mark Boyle, University of Liverpool

8:10 Audrey Kobayashi*, Professor, Queen's University; Mark Boyle, University of Liverpool; Rory Hearne, Maynooth University; *Crying Power in Dublin: Musicians in the Fight for Affordable Housing*

8:30 Traci-Ann Wint*, The University of Texas at Austin; *Capture Land: Race, Space, and Jamaica's Reggae Revival*

8:50 David Wilson*, University Of Illinois; *Confronting the Gentrification Frontier: Blues Clubs and Political Resistance on Chicago's South Side.*

9:10 Discussant(s): James Tyner, Kent State University

Saturday-086-8:00 a.m. Sustainable Urbanization: Challenges and Opportunities (I) (Sponsored by China Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Yuyu Zhou, Iowa State University; Bailang Yu, East China Normal University; Wenze Yue, Zhejiang University

CHAIR: Yuyu Zhou, Iowa State University

8:00 Bailang Yu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; School of Geographic Sciences, East China Normal University; Congxiao Wang*, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; School of Geographic Sciences, East China Normal University; Zuoqi Chen, Key Laboratory of Geographic

Information Science (Ministry of Education), East China Normal University; School of Geographic Sciences, East China Normal University; Chengshu Yang, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; School of Geographic Sciences, East China Normal University; Jianping Wu, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University; School of Geographic Sciences, East China Normal University; *Analyzing the parcel-level relationship between Luojia 1-01 nighttime light intensity and artificial surface features across Shanghai, China: A comparison with NPP-VIIRS data*

8:20 Xuecao Li*, Yuyu Zhou, Iowa State University; Lin Meng, Iowa State University; Ghassem R Asrar, Pacific Northwest National Lab; Chaoqun Lu, Iowa State University; Qiusheng Wu, State University of New York; *Dynamics of urban vegetation phenology in the conterminous US from long-term (1985-2015) Landsat observations*

8:40 Wenze Yue*, Zhejiang University; Shuangshuang Qiu, Zhejiang University; *Energy Consumption and Urban Heat island: A Perspective of Urban Function Zones*

9:00 Tong Wu*; *Impacts of land finance on urban sprawl in China: The case of 106 mega cities*

9:20 HAONAN SUN*, UC Santa Barbara; Keith Clarke, University of California, Santa Barbara; *A Comparison of Land Use Change and Urbanization between Beijing and Shanghai in China using GIS and Multi-temporal Remote Sensing*

Saturday-087-8:00 a.m. Queer Memorial Activism: Positionality, Placemaking, Powerplay (Sponsored by Sexuality and Space Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Martin Zebracki, University of Leeds

CHAIR: Martin Zebracki, University of Leeds

8:00 Julie Podmore*, John Abbott College; *Mobilizing suburban pride: LGBTQ commemorative activisms and the contestation of municipal heteronormativites on Vancouver's periphery*

8:15 Emma Spruce*, *Queer Memorialising and the Sexual Politics of Gentrification*

8:30 Jess MacIntyre*, BA, MA, MSc, University of East London; *'I'm overcoming it through this': Activism and Psychological Wellbeing for Queer and/or Trans People of Colour Refugees and Asylum Seekers in the UK*

8:45 Giselle Eugenia Connell*, Durham University; *Vital Geographies of the AIDS Memorial Quilt: Making Place for AIDS Commemoration in Ireland*

9:00 Ingrid Olson*, Ph.D., University of British Columbia-Vancouver, BC; *Folsom Street Fair: AIDS, Activism, Fundraising, and LGTBQ Remembrance*

9:15 Martin Zebracki*, Dr, University of Leeds; *The Paradoxes of Queer Memorial Activism*

9:30 Discussant(s): Martin Zebracki, Dr, University of Leeds

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Saturday-088-8:00 a.m. Rethinking Border Politics

Room: Cabinet Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Xiaobo Su, University of Oregon; Shih-Shen Chien, National Taiwan University

CHAIR: Shih-Shen Chien, National Taiwan University

8:00 Shih-Shen Chien*, Professor, National Taiwan University; Zhong-Yen ZHENG, National Taiwan University; *Sovereignty Expansion and Border Conflict through volumetric infrastructure- case of China*

8:20 Ei Phyu Smith*, Dr; *Returning to Freedom: The Transnational Economic and Social Linkages of the Burmese-Canadian Diaspora*

8:40 Stefan Bloßfeldt*, University of Koblenz; *Uncertainty in European cross-border-cooperation – framing and comparing insights from the regional and local level*

9:00 Discussant(s): Xiaobo Su, Associate Professor, University of Oregon

Saturday-089-8:00 a.m. Geographical Computation where Human Geography Matters I (Sponsored by Digital Geographies Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nick Lally, University of Kentucky; Luke Bergmann, University of British Columbia

CHAIR: Nick Lally, University of Kentucky

8:00 Evangeline McGlynn*, University of California - Berkeley; Will B Payne, University of California - Berkeley; *Neither Pin Map nor Network: Liminal Mapping With Pseudo-Spatial Charts*

8:20 Nicholas Bauch*, University of Minnesota; *Legibility Confidence: Randomly-Generated Maps*

8:40 Robert Underwood*, University of Nebraska - Lincoln; *Rolling Your Own: Cultural Production, Personality, and Pedagogy In/Through DIY GIS*

9:00 Siobhán Mcphee*, University of British Columbia; *Immersive digital storytelling: re-engaging with place*

9:20 Discussant(s): Luke Bergmann, Associate Professor, University of British Columbia

Saturday-090-8:00 a.m. Author meets critics: Matthew Hannah's 'Direction and Socio-Spatial Theory: A Political Economy of Oriented Practice' (Sponsored by Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Congressional A, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mitch Rose, Aberystwyth University

CHAIR: Mitch Rose, Aberystwyth University

Panelist(s): Mitch Rose, Aberystwyth University; Chris Philo, University of Glasgow; Lauren Martin, Durham University; Mikko Joronen, Dr., University of Tampere; Claudio Minca, Prof, Macquarie University; Matthew Hannah, Professor of Cultural Geography, Universität Bayreuth

Saturday-091-8:00 a.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Place Sensing in Landscape Planning and Design

Room: Congressional B, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Chen Xu, University of Wyoming; Shujuan Li, University of Arizona; Bing Wu, National Taiwan Normal University - Taipei

CHAIR: Chen Xu, University of Wyoming

8:00 Shujuan Li*, University of Arizona; *Place sensing for place making: a review on social media in landscape planning and design*

8:20 ELHAM Nasr Azadani*, Pennsylvania State University; *Landscape Visualization: Its Application for Participatory Decision Making*

8:40 Qingyun Du*, Wuhan University; *An Online Collaboration Approach for Urban Planning*

9:00 Fatema Tuz Nourin*, University of Wyoming; *An Exploratory Analysis of Social Media Data Usage in Yellowstone National Park*

9:20 Chen Xu*, University of Wyoming; *Exploring living urban forms through the lens of social media and the implications for landscape planning and design*

Saturday-092-8:00 a.m. The Corporation and its Importance to Human Geography: Advancing New Critical Perspectives I

Room: Empire Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Crispian Fuller, Cardiff University; Jennifer Johns, University of Bristol

CHAIR: Jennifer Johns, University of Bristol

8:00 Jayme Walenta*, University of Texas - Austin; *Undoing Homo Economicus: de-centering dominant corporate authorships*

8:20 Andrew Jones*, City, University of London; *Critically engaging with the practices of global corporations: an economic geographical approach*

8:40 Yuko Aoyama*, Clark University; *Corporations as Social Agents*

9:00 Crispian Fuller*, Cardiff University; *Towards a spatially deliberative theory of the corporation: The case of corporate responses to Brexit*

9:20 Christian May*, Goethe University Frankfurt/Main; *Re-nationalizing the Corporation: Political Foundations of Corporate Outreach*

Saturday-093-8:00 a.m. In Defense of Ugly Maps: High Stakes Participatory Mapping and Community Risk

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alex Orenstein, Action Against Hunger; Amber Bosse, University of Kentucky

CHAIR: Amber Bosse, University of Kentucky

Panelist(s): Edward Carr, Professor, Clark University; Alex Orenstein, Action Against Hunger; Gabriella Subia Smith; Francis Koti, University of North Alabama; Rajesh Bista, UNC Chapel Hill

Introduction(s): Amber Bosse, Ph.D. Candidate, University of Kentucky

SATURDAY April 6 • 8:00 AM - 9:40 AM

Saturday-094-8:00 a.m. After the Global Land Grab I: Social Reproduction and Gender (Sponsored by Geographies of Food and Agriculture Specialty Group, Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Regency Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Will Shattuck; W. Nathan Green, University of Wisconsin - Madison

CHAIR: Will Shattuck

8:00 Discussant(s): Pronoy Rai, Assistant Professor, Portland State University

8:20 William Moseley*, Macalester College; *Turbulence on the Periphery: The New Green Revolution for Africa as a Contested Narrative of Incorporation*

8:40 Brittany Cook*, Assistant Professor, University of Louisiana at Lafayette; *Rural development, commodifying women's labor, and the impacts on Jordanian agrarian spaces*

9:00 W. Nathan Green*, University of Wisconsin - Madison; *Financial Inclusion and Agrarian Change in Cambodia*

9:20 Nari Senanayake*, University of Kentucky; *"We spray so we can live": Chemical dependence, struggles for social reproduction, and the persistence of paddy cultivation in dry zone Sri Lanka*

Saturday-095-8:00 a.m. Author Meets Comrades: Rosalind Fredericks' Garbage Citizenship

Room: Blue Room, Omni, East (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mohammed Arefin, University of Wisconsin - Madison - Madison, WI

CHAIR: Mohammed Arefin, University of Wisconsin - Madison - Madison, WI

Discussant(s): Jesse Ribot, Associate Professor, University of Illinois; Sarah Moore, Associate Professor, University of Wisconsin - Madison; Mary Lawhon, Florida State University; AbdouMaliq Simone; Malini Ranganathan, Assistant Professor, American University

Panelist(s): Rosalind Fredericks, New York University

Saturday-097-8:00 a.m. Post-Crisis Fiscal Geographies I: State Responses to Fiscal Crises (Sponsored by Economic Geography Specialty Group, Legal Geography Specialty Group, Political Geography Specialty Group)

Room: Capital Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kelly Kay, University of California, Los Angeles; Renee Tapp, Harvard University

CHAIR: Renee Tapp, Harvard University

8:00 Amanda Kass*, Ms., University of Illinois At Chicago; Andy Crosby, PhD, Pace University; *When is a Crisis a Crisis? An Examination of Pension Underfunding and State Intervention in Suburban Communities*

8:20 James Mizes*, Department of City & Regional Planning, University of California, Berkeley; Liza Rose Cirolia, African Center for Cities, University of Cape Town; *Bypass: Informal exceptions to property taxes in M'Bour and Kisumu*

8:40 Jessa Loomis*, Clark University; *De-Risk and Decrease Dependence: Examining the Role of Nonprofit Organizations in Shifting Financial Responsibility From State to Household*

9:00 Dylan Simone*, University of Toronto; *Bricolage, Agnotology, and Myths of Canadian Exceptionalism*

9:20 Chris Muellerleile*, Swansea University; Shaun French, School of Geography, University of Nottingham; *Monetization: Beyond Neoliberalism and Financialization*

Saturday-098-8:00 a.m. Racial Capitalism: A Methodological Discussion 1 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Embassy Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Benjamin Teresa, Virginia Commonwealth University; Caroline Ponder, University of British Columbia; Kelsey Johnson

CHAIR: Benjamin Teresa, Virginia Commonwealth University

8:00 Introduction(s): Caroline Ponder, University of British Columbia

8:20 Melanie Sommerville*, Dept of Geography, UBC; *From accumulation by dispossession to accumulation by reparations? Land, racial capitalism, and the contemporary reconstitution of white privilege*

8:40 Hilda Kurtz*, University of Georgia; *Racial capitalism and the shifting apparatuses of unfree labor*

9:00 Discussant(s): Yui Hashimoto, Postdoctoral Fellow, Dartmouth College

Saturday-099-8:00 a.m. Economic Geography IX - Knowledge Production and Flows, and Innovation in China (Sponsored by Economic Geography Specialty Group)

Room: Hampton Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Jennifer Clark, Georgia Institute of Technology

8:00 Jingyuan Zeng*, School of Geography and Planning, Sun Yat-sen University; Ye Liu, School of Geography and Planning, Sun Yat-sen University; *A micro-perspective of regional knowledge specialization: Are younger firms more likely to break through path dependence for regions?*

8:20 Jin Shi*, Assistant Professor, Zhejiang University of Technology; *Market Orientation and the Spatial Variation of New Firm Formation: Evidence from China's Manufacturing Sector*

8:40 Fangzhu Zhang*, University College London; Fulong Wu, Professor, University College London; *Rethinking the city and innovation: A political economic view from China's biotech*

9:00 Min Zhang*, *E-commerce Triggered Bottom-up Development in Rural China: Multi-scale Embedded industrial cluster, ANT Approach and the Case of Dongfeng Village*

9:20 Suyoung Kang*, Center for Asian Cities, Seoul National University, South Korea; Jung Won Sonn, Bartlett School of Planning, University College London, United Kingdom; Ilwon Seo, Bartlett School of Planning, University College London, United Kingdom; *Does development liberate regional innovation systems from a domestic inter-regional hierarchy in knowledge flow? An analysis of Chinese patent licensing data*

SATURDAY, April 6 • 8:00 AM - 9:40 AM

Saturday-100-8:00 a.m. Geographies of Property I:

Democracy (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Political Geography Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nick Lombardo, University of Toronto; Trevor Wideman, Simon Fraser University; Stephen Przybylinski, Syracuse University

CHAIR: Trevor Wideman, Simon Fraser University

8:00 Stephen Przybylinski*, Syracuse University; *Properties of liberal-democratic citizenship: Constructing the houseless as secondary citizens*

8:20 Christine Jocoy*, California State University - Long Beach; *Using public property to address homelessness: Discourses of waste-avoidance and serving the public good in US federal homeless assistance policy*

8:40 Chantal Gailloux*, Ph.D. Candidate - Sociology and Anthropology - Concordia University, Concordia University; *East Harlem Community Gardens and the Conflicting Politics of the Commons*

9:00 Paul Stacey*, Roskilde University; *'You can have it for God' - Land exchanges for Mosque building in Accra*

9:20 Alexander Pustelnyk*, Syracuse University; *Charting the 'Un-Owned': Mapping Practices in Lima, Peru*

Saturday-101-8:00 a.m. Urban Parks and Green Spaces:

Myth, Reality or Paradox? Session 1 (Sponsored by Urban Geography Specialty Group, Landscape Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Meredith Whitten, London School of Economics; Rachel Will, University of Georgia

CHAIR: Rachel Will, University of Georgia

8:00 Marcus Owens*, UC Berkeley College of Environmental Design; *The Presidio as Prototype for the Sustainable Park Concept*

8:20 Evan Carver*, University of Washington; *Sustainable Urban Parks and Civic Health: The Case of Tempelhof Airfield*

8:40 William Hunter*, Cuyahoga Valley National Park; *Socioecological Imaginaries, Restoration and the Sustainable Park: Cuyahoga Valley National Park*

9:00 Michael Reibel, PhD, California State Polytechnic University; Angelica Rocha*, California State Polytechnic University; Alessandro Rigolon, PhD, University of Illinois, Urbana-Champaign; *Modeling Green Space Equity and Investment in Los Angeles Neighborhoods*

9:20 Tamara Ratz*, Kodolanyi Janos University; Gabor Michalko, Corvinus University of Budapest; *Destroying a Green Place or Creating a Contemporary Cultural Space? Urban Planning and Tourism in Budapest, Hungary*

Saturday-102-8:00 a.m. Mapping Difficult Stories I

(Sponsored by Cartography Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sebastien Caquard, Concordia University; Anne Knowles, University of Maine

CHAIR: Sebastien Caquard, Concordia University

8:00 Anne Knowles*, University of Maine; *I Was There: Places of Experience in the Holocaust*

8:20 Piera Rossetto*, University of Graz _ Centre for Jewish Studies; *Mapping memories, charting empathy*

8:40 Renee Louis*, Institute of Policy and Social Research; Pua Case, Mauna Kea Education and Awareness; *Kūkulu Hāmākua: reimagining cartographic expressions in the battle over Maunakea*

9:00 Elise Olmedo*, Mucem - Museum of European and Mediterranean civilizations; *Visualizing and exhibiting the professional stories of Romani people in Marseille, France*

9:20 **Discussant(s)**: Meghan Kelly, Graduate Student, University of Wisconsin-Madison

Saturday-103-8:00 a.m. Geographies of Media I:

Communicating Environmental Issues with Government and Religion (Sponsored by Media and Communication Geography Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

CHAIR: David Krantz, Arizona State University

8:00 Pei-An Lin*, National Taiwan University; *Digital platform and disaster prevention system: the case of Central and Local Disaster Management Information Integration Plan in Taiwan*

8:20 Ruopu Li*, Assistant Professor, Southern Illinois University; Md Mafuzur Rahama, Southern Illinois University-Carbondale; *Assessing Social Media Communications of Local Governments in Top Fast-growing U.S. Cities*

8:40 Risa Palm*, Professor of Geosciences and Provost, Georgia State University; Toby Bolsen, Associate Professor of Political Science, Georgia State University; *Communication and Climate Change Beliefs: Strategies to Combat Politicization and Partisan Motivated Reasoning*

9:00 Sol Agin*, Karlstad University; Michael Karlsson, Professor, Karlstad University; *Reviewing the field of environmental communication and climate change: geographically biased, theoretically limited and methodologically monocultural*

9:20 David Krantz*, Arizona State University; *COP and the Cloth: The Role of Religion at the Conference of Parties to the United Nations Framework Convention on Climate Change*

SATURDAY April 6 • 9:55 AM - 11:35 AM**Saturday-001-9:55 a.m. Migrant Politics and the Changing Geographies of Nationalism and Citizenship 2: Top-down Perspectives, Representations and Spaces**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Elizabeth Mavroudi, Loughborough University; Marta Erdal, PRIO

CHAIR: Marta Erdal, PRIO

9:55 Loukia-Maria Fratsea*, Harokopio University, Department of Geography; Apostolos Papadopoulos, Harokopio University, Department of Geography; Antigoni Faka, Harokopio University, Department of Geography; *Theorizing migrants' precariousness and agency in intensive agriculture of Greece*

10:15 Julia Palik*, Peace Research Institute Oslo; *"Islamophobia without Muslims": Qualitative analysis of the Hungarian media's depiction of Muslims*

10:35 Danielle Drozdewski*, Dr, Stockholm University; *How host societies create 'space' for refugees in representations of national identity and cultural memory*

10:55 Robert Kaiser*, University of Wisconsin - Madison; *Nationalism and Statelessness in a Post-Westphalian World*

11:15 Discussant(s): Caroline Nagel, Dr, University of South Carolina

Saturday-003-9:55 a.m. The Arts and Creativity, Cultural Capital, and Economic Dynamism II

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Timothy Wojan, Economic Research Service - USDA; Sunil Iyengar, National Endowment for the Arts

CHAIR: Timothy Wojan, Economic Research Service - USDA

9:55 Kim Zeuli*, ICIC; Zachary Nieder, ICIC; *Analyzing the Potential Role for Arts and Culture Organizations as Economic Development Anchors*

10:15 Steven Kostell*, University of Vermont; *Innovation Spaces — Spurring Economic Development through Cultural Industries*

10:35 Zachary Mannheimer*, McClure; *Creative Placemaking in Rural America*

10:55 Mark Treskon*, Urban Institute; Sino Esthappan, Urban Institute; *Creative Placemaking and Building Connections across Communities*

11:15 Elizabeth Castillo*, Arizona State University; *Creative and Spatial Capital as Drivers of Economic Dynamism*

Saturday-004-9:55 a.m. Critical geographies of disability, care and home (Sponsored by Disability Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Laura Crawford, Loughborough University

CHAIR: Laura Crawford, Loughborough University

9:55 Mariela Gaete Reyes*, Universidad De Chile; *Disability and social housing in Chile: The co-production of care, (accessible) spaces and the home*

10:15 Sara Loftus*, West Virginia University; *Digital ethnography of virtual spaces for mothers of children with disabilities*

10:35 Laura Crawford*, Loughborough University; *There's no place like a Cheshire Home: lived experiences of disability, care and the home*

10:55 Nari Kim*, University of Delaware; *Discourse in 'later life care': disability within regulated and changeable political economic structures*

11:15 Angharad Butler-Rees*, University of Southampton; *Resilience, Community Building and Spaces of Mutual Care within the UK Disability Activist Community*

Saturday-005-9:55 a.m. Local Actors, Global Implications: Rethinking Tourism and Communities in Development II (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sanjay Nepal, University of Waterloo

CHAIR: Jarkko Saarinen, University of Oulu

9:55 Aby Sene-Harper, PhD, Clemson University; Lauren Duffy*, Clemson University; *Women, Fishermen and Community-based Tourism in Senegal*

10:15 Vyasha Harilal*, University of Johannesburg; Tembi Maloney Tichaawa, Professor, University of Johannesburg; Jarkko Saarinen, Professor, University of Oulu, Finland; and School of Tourism and Hospitality, University of Johannesburg; *Eco-tourism induced development in Cameroon: opportunities, community involvement and inhibitors*

10:35 Carter Hunt*, Penn State University; Larry Gorenflo, PhD, Penn State University; *Biodiversity Conservation, Community Development, and Tourism Around Udzungwa Mountains National Park*

10:55 Lucy Harbor*, Penn State University; *Culture, Capital, and Community Change: Impacts of Tourism in Santiago Atitlan, Guatemala*

11:15 Regina Scheyvens*, Massey University; Litea Meo-Sewabu, Dr, University of the South Pacific; Massey University; Glenn Adrian Banks, Professor, Massey University; Suliasi Vunibola, Massey University; *Local tourism business as drivers of social and economic wellbeing in Small Island Developing States*

Saturday-006-9:55 a.m. From the Shining City to New Jack City: Geographies of 1980s America II (Sponsored by Socialist and Critical Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Patrick Vitale, Department of Political Science and Geography; Clayton Rosati, Bowling Green State University

CHAIR: Patrick Vitale, Department of Political Science and Geography

9:55 Natalie Hopkinson*, Howard University; *Fluorescent Flags: Black Power, Publicity and American Counternarratives in Go-Go Street Posters of the 1980s*

10:15 Clayton Rosati*, Bowling Green State University; *Wild Style: Hip-hop, Cable TV, and the Urban Antinomies of the Interactive Media of the 1980s*

10:35 Brian Tochtermann*, Northland College; *The Urban Fortress on Film: Crime, Violence, and Securing the City in the 1980s and 1990s*

10:55 Discussant(s): Kafui Attah, Assistant Professor, CUNY School of Labor and Urban Studies

SATURDAY, April 6 • 9:55 AM - 11:35 AM

Saturday-007-9:55 a.m. Geomasking Techniques Built-into an Integrated Platform for Research Involving Confidential Geospatial Data: the Geospatial Virtual Data Enclave (GVDE Workshop II)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Virginia A, Marriott, Lobby Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Coline Dony; Jue Wang, University of Illinois

CHAIR: Coline Dony

Saturday-008-9:55 a.m. Territorial Fever Dreams: Towards Geographies of Populism and Populist Geographies 2 (Sponsored by Political Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Christopher Lizotte, University of Helsinki

CHAIR: Christopher Lizotte, University of Helsinki

9:55 Discussant(s): Sara H. Smith, Associate Professor, University of North Carolina

10:15 Aditya Mohanty*, University of Aberdeen; *Let's de-territorialize Urban Populism! Notes from an Extended Case Study of RWAs in Delhi's Valmiki neighbourhoods*

10:35 Amit Kumar*, University of Bonn; *Emergent Legal Geographies in Mumbai and the politics of Revanchist Populism*

10:55 Kai Bosworth*, Visiting Assistant Professor, Brown University; *Five genres of environmental populism in the People's Climate Movement*

11:15 Christopher Lizotte*, University of Helsinki; *From the ground up: visualizing populist territorial imaginations*

Saturday-009-9:55 a.m. Geographies of Post-Industrial Place, Memory, and Heritage II (Sponsored by Cultural Geography Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mark Rhodes, Kent State University; William Price, Ball State University

CHAIR: Mark Rhodes, Kent State University

9:55 Mark Rhodes*, Kent State University; *Amgueddfa'r Gogledd: Slate, Slavery, and Trans-Atlantic Labor in the National Slate Museum*

10:15 ROSA CERAROLS*, UNIVERSITAT POMPEU FABRA BARCELONA; Antonio Luna-Garcia, UNIVERSITAT POMPEU FABRA; *Committed landscapes, hyperconnected geographies: strategies of social and cultural dynamization in non-urban ruins through artistic and creative activities*

10:35 Samuel Hanes*, Assistant Professor, University of Maine; *Newcomer's memory: How artists shaped sense of place on a post-industrial coast*

10:55 C N Steacy*, University of Georgia; *Dystopian dreams: Representation and Otherness in the post-industrial frontier of contemporary Detroit*

Saturday-012-9:55 a.m. Creative Districts and Urban Displacement in the Global South II: Development Narratives, State Violence and (Im)Mobilities

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Amy Ritterbusch, UCLA

CHAIR: Sergio Montero, Universidad De Los Andes

9:55 Debapriya Chakrabarti*, University of Manchester; *Kolkata's Durga puja: changing places, practices, governance and gentrification*

10:12 David Navarrete*, Universidad De Guanajuato; *Lifestyle Migration and Cultural Tourism as Urban Development Policy in Mexico's World Heritage Sites. Displacement and gentrification in San Miguel de Allende*

10:29 Fernanda Jahn Verri*, UCLA; *Legalized Displacement: Analyzing Eviction Apparatuses in Brazil*

10:46 Amy Ritterbusch*, Assistant Professor, UCLA; El Cilencio Que Quiere a Gritos Decir la Verdad, Escuela de Salud San Pedro Claver; *'Rewriting' and 'Rerighting' El Bronx in Bogotá: PAR-driven Narrative Excavation Against the Erasures of Urban Displacement*

11:03 Christian Eichenmüller*, Friedrich-Alexander-Universität Erlangen-Nürnberg, Institut für Geographie; Carla Maria Kayanan, University of Michigan, Urban and Regional Planning; *The occupation of Apollo House in Dublin: A case of "occupancy urbanism" in the post-colonial Global North?*

11:20 Discussant(s): Diana Ojeda, Ms, Universidad Javeriana

Saturday-016-9:55 a.m. Turkish Geography Studies

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Ahmet Cavus, Atatürk University

CHAIR: Mehmet Deniz, Usak Üniversitesi

9:55 Mehmet Deniz*, Usak Üniversitesi; *Analysis of Accessibility of Education in Salihli (Turkey) District by GIS*

10:15 Salih Birinci*, Atatürk University; Çağlar Kıvanç KAYMAZ, Atatürk University; *Nature Tourism Potential of Çağlayanıdibi Waterfall Natural Park and Örümcük Forests Natural Conservation Area (Turkey)*

10:35 Ahmet Cavus*, Phd, Atatürk University; Omer Dalyan, Atatürk University; *Locals' Views of Rural Tourism: A Case Of Darende (Malatya/Turkey)*

10:55 Çağlar KAYMAZ*, Atatürk University; Emre Ozsahin, Namık Kemal University; Salih Birinci, Atatürk University; *Eco-tourism Compliance Analysis of the Touristic Sources in Artvin Province (Turkey)*

Saturday-018-9:55 a.m. Author Meets Critics: David Prytherch's Law, Engineering, and the American Right-of-Way: Imagining a More Just Street

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Julie Cidell, University of Illinois

CHAIR: Julie Cidell, University of Illinois

Panelist(s): Denver Nixon, Postdoctoral Research Associate, Transport Studies Unit; Theresa Enright, Assistant Professor, University of Toronto; Deborah Martin, Professor, Clark University; Laura Smith, Associate Professor, Macalester College

Discussant(s): David Prytherch, Professor, Miami University

SATURDAY April 6 • 9:55 AM - 11:35 AM**Saturday-019-9:55 a.m. Post-Socialist Political Ecologies 2
(Sponsored by Eurasian Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jesse Swann-Quinn, Syracuse University

CHAIR: Jesse Swann-Quinn, Syracuse University

9:55 Rosibel Roman*, Florida International University; *(In) security zones: Social-environmental inequalities in the cradle of Soviet plutonium***10:15** Mikhail Blinnikov*, St. Cloud State University; Nikolay Sobolev, Institute of Geography, Russian Academy of Science, Moscow, Russia; Liudmila Volkova, Severtsov Institute of Problems of Ecology and Evolution, Russian Academy of Science, Moscow, Russia; *Green to Gray: Political Ecology of Sobyanyin's Moscow City Green Places***10:35** Robert Kopack*, University of Toronto; *Monotown Renaissance: waste, governance, and boosterism in Stepnogorsk, Kazakhstan***10:55** Vera Solovyeva*, George Mason University; *Are people really more expensive than diamonds? Ecological problems on the River Viluy, Republic of Sakha (Yakutia), Russian Federation.***Saturday-020-9:55 a.m. Spatial Analysis and Modeling II**

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Mengjiao Qin, Zhejiang university

9:55 Qian Peng*, *Complexity-based matching between image resolution and map scale for multi-scale image-map generation***10:15** Zhongyi Wang*, Zhejiang University; Zhenhong Du, Zhejiang University; Sensen Wu, Zhejiang University; *Geographically neural network weighted regression accounting for accurate estimation of spatial nonstationarity***10:35** Sang-Il Lee*, Seoul National University; Monghyeon Lee, Samsung Co. Ltd.; *The Modifiable Areal Unit Problem in Pearson's Correlation Coefficients under the Presence of Bivariate Spatial Autocorrelation: A Simulation Study***10:55** Mengjiao Qin*, Zhejiang university; Zhenhong Du, Zhejiang university; *Missing values estimation based on a multi-view learning algorithm***Saturday-023-9:55 a.m. Smart Citizens Creating Smart Cities: Locating citizen participation in the Smart City 2 (Sponsored by Digital Geographies Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Peter Johnson, University of Waterloo; Zarin Khan, University of Waterloo

CHAIR: Peter Johnson, University of Waterloo

9:55 Peter Johnson*, University of Waterloo; Pamela Robinson, Dr., Ryerson University; *Canadian Smart Cities: Are we wiring new citizen-local government interactions?***10:15** Soeren Becker*, Humboldt University Berlin / University of Bonn; Wouter Boon, University of Utrecht; Emanuel Löffler, University of Freiburg; Rachel Macrorie,University of Sheffield; Adrian Smith, University of Sussex; *Negotiating visions and practices of citizenship in smart urban experiments***10:35** Margaret Lobbig*, Macalester College; *From Top-Down to Bottom-Up: An Examination Smart Urbanism Approaches in the Twin Cities***10:55** Sofia Shwayri*, *Community versus Individual Participation in the making of the Smart City***11:15** Albert Acedo*, University of Waterloo; Tiago Oliveira, Universidade Nova de Lisboa; Mijail Naranjo-Zolotov, Universidade Nova de Lisboa; Marco Painho, Universidade Nova de Lisboa; *Toward a geography of engagement***Saturday-024-9:55 a.m. How Do We Choose Where to Live?**

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Deborah Salon, Arizona State University

CHAIR: Deborah Salon, Arizona State University

9:55 Elyse Kats*, Arizona State; Deborah Salon, Arizona State University; *Residential Choice Theory and Sustainable Transit***10:15** Jamey Volker*, University of California, Davis; *Diving Deeper into Millennial Residential Location Choice***10:35** Deborah Salon*, Arizona State University; *What do households want in a neighborhood, and do they get it?***10:55** Wen Jiang*, Chongqing University; Tao Feng, Eindhoven University of Technology; Harry J. P. Timmermans, Eindhoven University of Technology; *Residential aspirations in renovated historical blocks of two selected cities***11:15** Discussant(s): Elizabeth Delmelle, University of North Carolina at Charlotte**Saturday-025-9:55 a.m. GIS Education and Spatial Thinking (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)**

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Paddington Hodza, Wyoming Geographic Information Science Center

CHAIR: Paddington Hodza, Wyoming Geographic Information Science Center

9:55 Bradley Gardener*, Temple University; *'I'm Upset': Thinking Beyond 'One Size Fits All Approaches' to GIS Education.***10:15** Michael DeMers*, Professor, New Mexico State University; *Learner Motivation, Choice, and Time Management Analysis of a Quest-Based GIS Course***10:35** Gregory Chu*, Professor Emeritus, UWisconsin-La Crosse; Jongnam Choi, Ph.D., Western Illinois University; *Pedagogic Value of The National Atlas of Korea in U.S. Secondary Education***10:55** Bob Kolvoord*, PhD, James Madison University; David Uttal, PhD, Northwestern University; Emily Peterson, PhD, American University; Adam Green, PhD, Georgetown University; David Kraemer, PhD, Dartmouth University; *The Impact of GIS Use on High School Students' Spatial Thinking: Cognitive and Behavioral Measures***11:15** Paddington Hodza*, Wyoming Geographic Information Science Center; Jeffrey Hamerlinck, Wyoming Geographic Information Science Center; Margo Berendsen, Wyoming Geographic Information Science

SATURDAY, April 6 • 9:55 AM - 11:35 AM

Center; *Integrating multiple ways of thinking and hands-on activities into GIS summative tests*

Saturday-026-9:55 a.m. Reframing Marxism and Race: The Scholarship of Bobby Wilson II (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Adam Bledsoe, Florida State University; Benjamin Rubin, CUNY - Graduate Center; Willie Wright, Department of Geography

CHAIR: Tianna Bruno, University of Oregon

Panelist(s): Laura Pulido, Professor, University of Oregon - Eugene, OR; Ruth Gilmore, Professor, CUNY Graduate Center; Joe Darden, Professor, Michigan State University; Bobby Wilson, Professor Emeritus, University Of Alabama

Discussant(s): Willie Wright, Department of Geography

Saturday-027-9:55 a.m. Critical Geographies of Education I: School Spaces (Sponsored by Critical Geographies of Education Specialty Group, Political Geography Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dan Cohen; Alice Huff, UCLA; Nicole Nguyen, University of Illinois - Chicago

CHAIR: Alice Huff, UCLA

9:55 Introduction(s): Alice Huff, UCLA

10:00 Caroline Loomis*, CUNY - Graduate Center; *Proximity and Partition: Elementary School Co-Location in New York City*

10:20 Sallie Marston*, University of Arizona; *What can a garden do? School gardens as spaces of transformation*

10:40 Daniel Cockayne*, University of Waterloo; *Entrepreneurship as Pedagogy: The Role of Internships at the University of Waterloo*

11:00 Nicole Nguyen*, University of Illinois - Chicago; *"It feels like you're looking down the barrel of a gun": Resisting the Security State in US Schools*

11:20 Discussant(s): Dan Cohen

Saturday-028-9:55 a.m. Urban China II: Regional Flows and Disparities

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Xuepeng Ji

9:55 Lixia Chen*, East China Normal University; Zhao Biao, East China Normal University; *Analysis the Spacial Relation of the West Coast of Taiwan Strait Based on Urban Flow*

10:15 Lu Li*, Huazhong Agricultural University; Jie Dong, Professor; *Regional Difference and Formation Mechanism of Urban Land Use Efficiency in the Yangtze River Economic Belt*

10:35 Ruoyan Zhang*, *Evaluating Port city's Hinterland by Inflow-Outflow Model: A case of Xiamen*

10:55 Xiaozhong Sun*, Cornell University; *Forty-year's Uneven Economic Development: Revisit the Evolution of Regional Disparities and Policy in China*

11:15 Xuepeng Ji*, *Urban and rural poverty in China: from the perspective of time, space, and group*

Saturday-031-9:55 a.m. Symposium on Frontiers in Geospatial Data Science: Geospatial Data Science: Frontiers and Opportunities

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dandong Yin, University of Illinois

CHAIR: Shaowen Wang, University of Illinois at Urbana-Champaign

Saturday-032-9:55 a.m. Frontiers of Rent and Rentiership in the Green Economy II: Urban-Technological Frontiers (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group, Energy and Environment Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Tyler Harlan, Cornell University; Sarah Knuth, Department of Geography, Durham University

CHAIR: Tyler Harlan, Cornell University

9:55 Sarah Knuth*, Department of Geography, Durham University; *Rentiers of the Green Economy? Placing Rent in Clean Energy Transition*

10:15 Nate Millington*, University of Manchester; Kathleen Stokes, University of Manchester; *Salvage Accumulation and Infrastructures of Value: Rendering waste into resource in contemporary South Africa*

10:35 Eric Goldfischer*, University of Minnesota - Minneapolis; *Theorizing Urban Ecological Development: Anti-Homelessness, Value, and Green Infrastructure*

10:55 Kean Birch*, York University; *Green capitalism as rentiership strategy? Untangling infrastructure, institutions, and value chains in the bio-economy*

11:15 Discussant(s): Alex Loftus, Dr. King's College London

Saturday-033-9:55 a.m. The Political Economy and Ecology of Sustainability Initiatives in the Global South: Part 2 (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Energy and Environment Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Stefano Ponte, Copenhagen Business School; Christine Noe, University of Dar es Salaam

CHAIR: Christine Noe, University of Dar es Salaam

9:55 Mette Olwig*, Roskilde University; Asubisye Mwamfupe, University of Dar es Salaam; *Business and Conservation? Exploring Interest Clashes in Forestry Governance in Tanzania*

10:15 Kelvin Kamnde*, Public; *Impact of sustainability partnerships on environmental outcomes: A spatial analysis*

10:35 Fadhili Bwagalilo*, St John's University of Tanzania; *Policies and Institutions Governing Unreserved Forests: Forest Sustainability in Practice in Tanzania*

10:55 Tony Heron*, University of York; *Governing 'invisible' commodities: the case of soy*

11:15 Discussant(s): Stefano Ponte, Professor, Copenhagen Business School

SATURDAY April 6 • 9:55 AM - 11:35 AM**Saturday-033.5-9:55 a.m. Hazards, Risks, and Disasters****11 (Sponsored by Hazards, Risks, and Disasters Specialty Group)**

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Cristina Muñoz, University of Iowa; Md ASIF RAHMAN, University of Iowa

CHAIR: Cristina Muñoz, University of Iowa

9:55 Introduction(s): Cristina Muñoz, PhD Candidate, University of Iowa**10:04** Md ASIF RAHMAN*, University of Iowa; *Social Vulnerability to River Floods in the U.S.***10:11** Laiyin Zhu*, Western Michigan University; *Estimating Tropical Cyclone Inland Flooding Risk in North America Cities from Modeling and Observations***10:18** Jordan Burns*, Risk Analysis Lead, NiyamIT, Inc.; Doug Bausch, Risk Analytics Program Manager, NiyamIT, Inc.; Nikolay Todorov, Senior Developer, NiyamIT, Inc.; *Structure-Level Flood Risk Database for Minot, ND as a Prototype for Leveraging National Building Outlines in Hazus Risk Model***10:25** Alyssa Cannistraci*, Dr. Kelsey Ellis, University of Tennessee, Knoxville; Dr. Yingjie Hu, University at Buffalo; *Spatiotemporal Analysis of Forecasted Natural Hazard Risk via Twitter Data***10:32** Kathleen Benedetto*, Jill Trepanier, Ph.D., Louisiana State University; *Climatology and Spatiotemporal Analysis of North Atlantic Rapidly Intensifying Hurricanes***10:39** Diamond Holloman*, University of North Carolina - Chapel Hill; *Reclaiming Recovery Narratives: A Community Response to Long-Term Hurricane Recovery in Lumberton, North Carolina***10:46** Hannah Heinke-Green*, Florida State University; Jay Baker, PhD, Florida State University; Tingting Zhao, PhD, Florida State University; Minna Jia, PhD, Florida State University; *Improving Hurricane Evacuation Prediction Models***10:53** Richard C Daniels*, GISP, Washington State Department of Transportation; *Re-analysis of Tropical Storm and Hurricane Probabilities of Occurrence for Coastal Areas of the United States, Canada, and Bermuda for 1851 to 2017***11:00** Jeffery Canaday*, University of North Carolina - Wilmington; Eman Ghoneim, PhD, University of North Carolina - Wilmington; Lynn Leonard, PhD, University of North Carolina - Wilmington; Joseph Long, PhD, University of North Carolina - Wilmington; Andrea Hawkes, PhD, University of North Carolina - Wilmington; Devon Eulie, PhD, University of North Carolina at Wilmington; *Integrating Very High-Resolution Satellite Imagery and Unmanned Aerial Vehicle Remote Sensing Techniques to Detect Changes on Barrier Islands Vegetation and Elevation After Hurricane Florence***11:07** Joshua Wimbust*, University of Oklahoma - Norman, OK; John Scott Greene, University of Oklahoma - Norman, OK; Renee McPherson, University of Oklahoma - Norman, OK; Stephen Stadler, Oklahoma State University - Stillwater, OK; *Future Impact on the Low Level Jet and its Effects on Wind Energy Generation in Oklahoma***11:14** Dan Wanyama*, Michigan State University; Kyla Dahlin, Michigan State University; Nathan Moore, Associate Professor, Michigan State University; Arika Ligmann-Zielinska, Michigan State University; *Agent-based**modeling of farmer-environment interactions under climate change: case of Mount Elgon Ecosystem***11:21** Richard Bohannon*, Metropolitan State University; *Regional Differences in the Relationship Between Religious Adherence and Belief in Climate Change***Saturday-034-9:55 a.m. Spatial Optimization and Analysis****II (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Daoqin Tong, Arizona State University; Ran Wei, University of California - Riverside

CHAIR: Ran Wei, University of California - Riverside

9:55 Kamyoun Kim*, Kyungpook National University; *A spatial optimization approach for siting Automated External Defibrillator (AED)***10:15** Paul Jung*, University of North Carolina - Charlotte; Ran Tao, University of South Florida; Jean-Claude Thill, University of North Carolina at Charlotte; *Regionalization Problem for Spatial Flow Aggregation: Reducing Uncertainty in Migration Data with flowAMOEBa***10:35** Qing Zhong*, University of Arizona; Daoqin Tong, Arizona State University; Courtney Crosson, University of Arizona; Yinan Zhang, University of Arizona; *Scenario planning for sustainable urban food production: A case study of Tucson communities***10:55** Carlos Baez*, University of California, Santa Barbara; *Institutions and Organizations and the Advancement of the Theory of Public Facility Locations***11:15** Evgeny Noi*, Alan Murray, Graduate Adviser, Professor, Department of Geography University of California at Santa Barbara Santa Barbara; *Urban Sensing Optimization and Sampling***Saturday-035-9:55 a.m. Dialogues in Human Geography****Plenary Lecture—Natalie Oswin, “Other Geographies: Thinking Space, From Somewhere”**

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Reuben Rose-Redwood, University of Victoria

CHAIR: Reuben Rose-Redwood, University of Victoria

9:55 Natalie Oswin*, McGill University; *Other Geographies: Thinking space, from somewhere***10:15 Discussant(s):** Caroline Faria, Dr, University of Texas - Austin**10:35 Discussant(s):** Sharlene Mollett, Assistant Professor, University of Toronto**10:55 Discussant(s):** LaToya Eaves, Middle Tennessee State University**11:15 Discussant(s):** Camilla Hawthorne, University of California - Berkeley**Saturday-036-9:55 a.m. Realizing the Value of Interdisciplinary Research: How Can Critical Theory be ‘Applied’ to Smart Cities? II - Panel Discussion (Sponsored by Urban Geography Specialty Group, Digital Geographies Specialty Group)**

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

SATURDAY, April 6 • 9:55 AM - 11:35 AM

ORGANIZER(S): Jane YeonJae Lee, Singapore Management University;
Orlando Woods, Singapore Management University

CHAIR: Jane YeonJae Lee, Singapore Management University

Introduction(s): Jane YeonJae Lee, Research Fellow,
Singapore Management University

Panelist(s): Ryan Burns, Assistant Professor, University of
Calgary; Changjun Lee, University College Dublin;
Igor Calzada, University of Oxford

Discussant(s): I-Chun Catherine Chang, Macalester College

Saturday-037-9:55 a.m. Tools to Use: What do Your AP Human Geography Lectures/Lessons Look Like? (Sponsored by Geography Education Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University;
Darren Purcell, University of Oklahoma

CHAIR: Darren Purcell, University of Oklahoma

Discussant(s): Darren Purcell, Associate Professor, University
of Oklahoma; Larianne Collins, Lecturer, University of
North Carolina - Charlotte

Saturday-038-9:55 a.m. Nature's New Urban Worlds: Questions of Sustainability (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Laura Tozer, Durham University; Harriet Bulkeley,
University of Durham

CHAIR: Joshua Cousins, SUNY-ESF

9:55 Sara Meerow*, Arizona State University; *The politics of
multifunctional green infrastructure spatial planning in
New York City*

10:10 Kian Goh*, UCLA; *Green Imaginaries: Designing
Urban Environmental Futures*

10:25 Sara Jacobs*, University of Washington; *Between
Landscape and Site: Relational Urban Infrastructures*

10:40 Ask Joergensen*, Aalborg University; Jens Iuel-Stissing*,
Aalborg University; *Configuring new governance
objects in urban nature planning*

10:55 Joshua Cousins*, SUNY-ESF; *Fees, finance, and climate:
Interrogating the structure of nature-based solutions to
urban water governance*

11:10 Rob Raven*, Monash Sustainable Development Institute;
Harriet Bulkeley, Durham University; Kes McCormick,
Lund University; *Urban experimentation with nature-
based innovations and infrastructures*

Saturday-039-9:55 a.m. Agroecological Transitions in a Transatlantic Context (2): Concepts, Typologies, Barriers, Drivers and Sustainability Performance (Sponsored by Geographies of Food and Agriculture Specialty Group, Rural Geography Specialty Group, Water Resources Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Gerald Schwarz, Thuenen Institute; Inge Aalders,
The James Hutton Institute; Francesco Vanni, CREA - Research
Centre for Agricultural Policies and Bioeconomy

CHAIR: Francesco Vanni, CREA - Research Centre for Agricultural
Policies and Bioeconomy

9:55 Alexandra Smyrniotopoulou, Agricultural University of
Athens; Katherine N. Irvine, James Hutton Institute;
Marie-Alice Budniok, European Landowners'
Organization; Branwen Miles, European Landowners'
Organization; Maeve Howe, European Landowners'
Organization; Alexandra Puscas, WWF Danube-
Carpathian Programme; Mihaela Nechifor, WWF
Danube-Carpathian Programme; George Vlahos,
Agricultural University of Athens; David Miller, James
Hutton Institute; Gerald Schwarz*, Thuenen Institute;
*Using transdisciplinary research to understand
transition to agro-ecological farming systems*

10:15 Pille Koorberg*, Estonian Agricultural Research Centre;
*Role of evaluation and EIP-AGRI to support and
promote sustainable agricultural practices that enhance
ecosystem services and conserve agro-biodiversity*

10:35 Wayne Caldwell*, University of Guelph; *Ontario's Greenbelt
- An Opportunity for Agro-ecological Transitions*

10:55 Egon Noe*, University of Southern Denmark;
*Agroecology and structural couplings with the
financial system*

11:15 Discussant(s): Katalin Balázs, Geonardo Ltd

Saturday-040-9:55 a.m. W4_5 Engaging Your Community with ArcGIS Open Data and ArcGIS Hub (Sponsored by Esri)

Room: Washington 5, Marriott, Exhibition Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Saturday-041-9:55 a.m. Music, Sounds, Practices, Discourses: New Frontiers in Research, Pedagogies and Praxis in Geographies of Music - 2 (Sponsored by Cultural Geography Specialty Group, Digital Geographies Specialty Group, Media and Communication Geography Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman;
Ola Johansson, University of Pittsburgh at Johnstown; Severin
Guillard, Université Paris Est - Lab'Urba

CHAIR: Ola Johansson, University of Pittsburgh at Johnstown

9:55 Kai Marquardt*, Karlsruhe Institute of Technology;
*Mapping Centrality and Power in Urban Networks
of Music Production: The Case of the German
Music Market*

10:15 Michael Longan*, Valparaiso University; *Mapping
the Country Music and Dance Scene in the Calumet
Region of Northwest Indiana and Northeast Illinois*

10:35 Jessie Lauren Stein*, Concordia University; *Dancing
with difference: migrants, interculturality, and the
party space as a site of transformative politics*

10:55 Oliver Hunter*, "Willis Conover and Public Diplomacy:
Jazz and Sound Communities in the International
System"

11:15 Discussant(s): Severin Guillard, Université Paris Est -
Lab'Urba

SATURDAY April 6 • 11:45 AM - 1:00 PM • Poster Sessions

Saturday-043.3-9:55 a.m. Urban Geography Specialty

Group Poster Competition: Understanding the 21st Century City (Sponsored by Urban Geography Specialty Group, Taylor and Francis Group)

Room: Lincoln 2, Marriott, Exhibition Level (Poster)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Katherine Hankins, Georgia State University

002 Poster(s) Bengt Andersen*, The Work Research Institute, Oslo and Akershus University College; Joar Skrede*, Norwegian Institute for Cultural Heritage Research; *A suburban dreamscape battling plans for densification: The case of housing advertisements*

003 Poster(s) Sophie Kahler*, University of South Carolina; *A Neighborhood Transformed: Urban Renewal and University Expansion in Wheeler Hill, Columbia, SC*

004 Poster(s) Mei Ren*, Beijing Normal University; min Xiao Wang, Beijing Normal University; Lei Liu, Jiangsu Normal University; Fang Sun, Beijing Normal University; xin Wen Zhang, Beijing Normal University; *Analysis of spatial pattern and heterogeneity of environmental regulation in Coastal Urban Agglomerations*

005 Poster(s) Weilun You*, *China's City System Spatial Pattern: An Empirical Analysis Based On Insurance Enterprises Network*

006 Poster(s) Yeannet Ruiz*, John Rogan, Clark University; Deborah Martin, Clark University; Nick Geron, Clark University; *Comparing the vigor and mortality of juvenile residential trees in three Massachusetts 'Gateway Cities'*

007 Poster(s) Elizabeth Lohr*, Clark University; John Rogan, Clark University; Nick Geron, Clark University; *Creating a matrix to assess pest vulnerability in Massachusetts Gateway City tree plantings*

008 Poster(s) Nathan Bullock*, Duke University; *Countermodern Urbanism in Singapore: 1965-2015*

009 Poster(s) Byron Schuldt*, *Denver's Evolving Heat Island: The Dual Impacts of Urbanization & Greening*

0010 Poster(s) Guan MingMing*, East China Normal University; Chengliang Liu, clliu@re.ecnu.edu.cn; Jiaqi Xu, 781699872@qq.com; *Does high-speed railway foster urban innovation production? Evidence from a natural experiment in China*

0011 Poster(s) Xigang Zhu*, Jian Jin, Nanjing university; *Gentrification in China: the process and impact*

0012 Poster(s) Jeong Seong*, University of West Georgia; *Georgia Image Atlas I: Urbanization*

0013 Poster(s) Dillon Tennis, Longwood University; Christopher Labosier*, Assistant Professor, Longwood University; *Is there an Urban Heat Island in Farmville, VA?*

0014 Poster(s) Emily Domanico*, Pennsylvania State University; *Monitoring Urban Rail Networks: A qualitative study of map use in transit control centers*

0015 Poster(s) Paporn Thebpanya*, Associate Professor, Towson University; John Harry Frank, Skelly and Loy, Inc.; *Multicriteria Decision Analysis: Prioritizing Vacant Land for Redevelopment in a shrinking Baltimore*

0016 Poster(s) Elena Oertel*, Furman University; Matthew Cohen, Furman University; John Quinn, Furman University; *Natural Capital Assessment of a Planned New Urban Development*

0017 Poster(s) Jose Torres*, Lecturer, Central Connecticut State University; *Restoring the Tagus Riverbank and Creating Resident-Tourist Spaces in Lisbon, Portugal*

0018 Poster(s) Liang Zhou*, Lanzhou Jiaotong University; Haowen Yan, Lanzhou Jiaotong university; Qinke sun, Lanzhou jiaotong university; Lei Che, Northwest normal university; *Spatial optimization of emergency medical facilities in Mega-City considering multi-factors*

0019 Poster(s) Liu Yumei*, *Study on the relationship between urbanization and grain production in the Main grain producing areas of China*

0020 Poster(s) Nicole Goodbrand*, Queen's University; *The Future for Urban Spaces and Indigenous Health in Canada: a Systematic Literature Review*

0021 Poster(s) Jared Mogoi Bill Omambia*, RICLA ENVIRONCARE CONSULTANCY; *How increase in population affects the provision of sewerage systems in Nairobi County.*

0022 Poster(s) XIAO SUN*, John Crittenden, School of Civil & Environmental Engineering, Georgia Institute of Technology; *Urban expansion simulation and the spatio-temporal changes of multiple ecosystem services in Atlanta Metropolitan area, USA*

0023 Poster(s) Milan Brown*, University of Maryland, Baltimore County; Mariya Shcheglovitova, University of Maryland Baltimore County; *What happened to Franklin Square Park?: Understanding park quality through historical and present day contexts*

0024 Poster(s) Ellen J. Kinnee*, MA, University of Pittsburgh; Jamie L. Humphrey, PhD, MPH, Drexel University Dornsife School of Public Health; Laura D. Kubzansky, PhD, MPH, Harvard T.H. Chan School of Public Health; Colleen E. Reid, PhD, MPH, University of Colorado at Boulder; Leslie A. McClure, PhD, Drexel University Dornsife School of Public Health; Lucy Robinson, PhD, Drexel University Dornsife School of Public Health; Jane E. Clougherty, PhD, Drexel University Dornsife School of Public Health; *Social Susceptibility to Multiple Air Pollutants in Cardiovascular Disease*

0025 Poster(s) Juno Garrah*, McGill University; The New School; *Assessing Governance Drivers of Urban Vegetation Change in New York City*

0026 Poster(s) Lourdes Johanna Avelar Portillo*, University of Southern California; Yao-Yi Chiang, Ph.D., University of Southern California; Jose Rico, University of Southern California; Yanyi Qian, Peking University; Kate Vavra-Musser, M.S., University of Southern California; Xiaozhe Yin, M.S., University of Southern California; *Los Angeles Homelessness and the Human Right to Water, Sanitation, and Hygiene*

0027 Poster(s) Trevor Guinn*, *Head Above Water: Sea Level Rise and Gentrification in Brooklyn and Queens, NY.*

0028 Poster(s) Jaana Vanhatalo*, Tampere University; *How urbanized Finland really is? — The urban population percentage of Finland in the light of various national urban area definitions*

0029 Poster(s) Bhuwan Thapa*, Department of Geography, Indiana University–Purdue University Indianapolis; Jeffrey Wilson, Department of Geography, Indiana University–Purdue University Indianapolis; Heather Reynolds, Department of Biology, Indiana University, Bloomington; Aniruddha Banerjee, Department of Geography, Indiana University - Purdue University - Indianapolis; Sarah Mincey, School of Public and Environmental Affairs, Indiana University, Bloomington; Robert D. Montoya, School of Informatics, Computing, and Engineering,

SATURDAY, April 6 • 9:55 AM - 11:35 AM • Poster Sessions

Indiana University, Bloomington; Samantha Hamlin, Environmental Resilience Institute, Indiana University, Bloomington; Erin Hatch, School of Public and Environmental Affairs, Indiana University, Bloomington; Abigail Sullivan, Environmental Resilience Institute, Indiana University, Bloomington; Amy Elizabeth Doster, School of Informatics, Computing, and Engineering, Indiana University, Bloomington; Dana Habeeb, School of Informatics, Computing, and Engineering, Indiana University, Bloomington; *Social-ecological and resilience trait-based approach for spatial planning and analysis of urban gardens in Indianapolis, Indiana*

030 Poster(s) Samto Wongso*, Colgate University - Hamilton, NY; *Tucson's Urban Core Fifty Years After Renewal: Celebrating Barrio Histories, Gentrifying Barrio Residents*

031 Poster(s) Dayne Walling*, University of Minnesota - Minneapolis; *New Legacies of Deindustrialization: Prospects for Economic and Community Development in the U.S. Midwest and Beyond in the 21st Century*

032 Poster(s) Simone Burns*, Syracuse University; *Utilizing Network Analyst Tool to Optimize Watering Routes for the Urban Forest in Syracuse, NY*

033 Poster(s) William Ford*, Syracuse University; *How Community Geography Improves Open Data Usage*

034 Poster(s) Samantha Sanchez*, Syracuse University; *Miscounting Marginalized Communities- The Importance of Census Counting within Sanctuary Cities*

035 Poster(s) Garrett Boland*, *Spatial Storytelling in the City of Syracuse*

036 Poster(s) Angelika Winner*, CUNY - Graduate Center; *Moving beyond one-sided explanations of food deserts: A mixed-methods assessment of the food environment in Newark, New Jersey*

037 Poster(s) Jacob Dein*, University of Tennessee; *Redefining the urban soundscape through better maps*

038 Poster(s) Ali Schaeffing*, *Refugees in a "Bad Neighborhood" - A Campus & Community Partnership*

039 Poster(s) Fabian Terbeck*, University of Connecticut; *Decomposing the Increase in Suburban Poverty and Diversity*

040 Poster(s) Scotti Koskinen*, Syracuse University; William Ford, Syracuse University; Garrett Boland, Syracuse University; *Taking Steps to Become a Smart City: Using Geospatial Technology to Improve Snow Removal in Syracuse, New York*

041 Poster(s) Richard Romer*, Eastern Michigan University; Kristoffer Canty, Eastern Michigan University; *A multi-dimensional geographical approach to predicting the probability of land site toxicity in urban areas being considered for agricultural farming*

042 Poster(s) Eric Davis Jr*, Ohio Wesleyan University; *Assessment of urban expansion: A case study on Columbus, Ohio*

043 Poster(s) Ridge Zackary*, CU Boulder Department of Geography; *Denver: Financial Crash to Gentrification*

044 Poster(s) Joshua Baldwin*, University of Denver; *Environmental Injustice? Green Space Access in the Denver Metropolitan Area*

045 Poster(s) Nicole Weston*, Central Michigan University; *Determining the Spatial Structure of Shenzhen, China: An Analysis of Commuter Flows and Centers of Activity*

046 Poster(s) Jacob Klaybor*, Purdue University; Brady Hardiman, Purdue University; Gillian Clark, Purdue University; *Estimating the Biomass of the Indianapolis and Chicago Urban Forests*

047 Poster(s) Lindsay Kutscher*, California State University - Northridge; *Exploration of the mentor in the mentor-mentee relationship within a Youth Environmental Justice Mentorship Program in Los Angeles: A qualitative study*

048 Poster(s) Alicia Sloan*, *Finding their Niche: A study of the interactions between central cities and their neighboring suburbs*

049 Poster(s) Domenica Jara*, University of Puerto Rico; *Foodtruck location: the struggle for eating space*

050 Poster(s) Maggie-Jean Cook*, Concord University; *From Worker's Safe Have To Hipster's Paradise: A Study of Gentrification in Historic South End*

051 Poster(s) Can Ma*, *China's City Network System Based on the Space Distribution of Accounting Firm*

052 Poster(s) Yasmine Soubra*, University of Texas - Austin; *Intersectional Conflicts with the City: Kampala, Uganda*

053 Poster(s) Jose Longo*, University of Puerto Rico; *Legal Remedies to Control Animal noises in the Urban Areas of Puerto Rico*

054 Poster(s) Jakira Silas*, Elizabeth Chung, Christopher Newport University; John Finn, Christopher Newport University; *Living Together / Living Apart: Denaturalizing 21st century urban segregation through stories, sound, and images*

055 Poster(s) SURENDRA P*, SURENDRA PUTTALINGAIAH, Dr., Department of Geography and Geoinformatics, Bangalore University; Ashok Devendrappa Hanjagi, Professor, Department of Geography and Geoinformatics, Bangalore University; *Levels of Urbanization in Mandya District of Karnataka, India*

056 Poster(s) Tyler Jackson*, UC Davis Geography Graduate Group; *Mapping Access to Food Cooperatives*

057 Poster(s) Felicia Berryessa-Erich*, El Colegio de la Frontera Sur (ECOSUR); *Touristification, rent gap and neighborhood change in San Cristóbal de Las Casas, Chiapas*

058 Poster(s) Nathaniel Trumbull*, University of Connecticut; *The Economic and Environmental Impacts of Moorage Marinas on the West Coast*

059 Poster(s) Abbey Sauerwine*, Kutztown University; *Role of public transportation in mobility of low income households*

060 Poster(s) Julia Mintz*, *Patterns of and Motivations for Student Participation in Planning a College Town: Geneseo, NY*

061 Poster(s) Danqing Xiao*, Bloomsburg University of Pennsylvania; *Spatial Patterns of Crimes in Philadelphia*

062 Poster(s) Timothy Wendeborn*, Central Connecticut State University; *Success Through Succession: Transit Oriented Development and the Sustainable Community in New Britain, CT*

063 Poster(s) Suzanne Struve*, Blinn College; Rhonda Reagan*, Blinn College; *The Morphology of a College Town Residential Neighborhood*

064 Poster(s) Jaeho Ko*, *The rise of Korean communities in the 21st-century immigrant gateways*

065 Poster(s) Julia Davies*, University of Arizona; Tom Evans, Prof, University of Arizona; Zackary Guido,

SATURDAY April 6 • 9:55 AM - 11:35 AM • Poster Sessions

- Dr, University of Arizona; *Toward More Sustainable and Resilient City-Region Food Systems in South Africa & Botswana*
- 066 Poster(s)** Pankaj Bajracharya*, University of North Carolina - Greensboro; *Urban Growth Boundaries – A perspective from the developing world*
- 067 Poster(s)** Hanzhou Chen*, Pennsylvania State University; *Urban Neighborhood Change in U.S. Metropolitan Areas: Longitudinal Trends, Clustering Effects, Adjacency Effects, and Urban Form*
- 068 Poster(s)** Tom P Evans, University of Arizona; Zack Guido, University of Arizona; Jordan P Blekking, Indiana University; Cascade Tuholske, University of California, Santa Barbara; Kelly Caylor, University of California, Santa Barbara; Lyndon Estes, Clark University; Abbey Fluckiger*, University of Arizona; Andrew Zimmer, University of Arizona; Julia Davies, University of Arizona; *Urbanization and its Implications on Food Security in Sub-Saharan Africa*
- 069 Poster(s)** Noel Bowers*, Kent State University; *What is the relationship between African Americans and urban parks?*
- 070 Poster(s)** Michael Murphy*, Vincent Saputo*, Keene State College; Julie Elwell*, Brendan Felix, Keene State College; *Where the Sidewalks End: Assessing the Progress of Complete Streets Policies in Keene, New Hampshire*
- 071 Poster(s)** Lara M Shinsato*, BA, Arizona State University; Tony H Grubestic, PhD, Arizona State University; *Spatial Data Warehouse Development for Maryvale Revitalization Project*
- 072 Poster(s)** Jenelle Collier*; *Keeping The Culture Alive: Using Representation to Combat Gentrification in Urban Cities*
- 073 Poster(s)** Hyunjin Cho*, kyunghee university; *A study on the local government's policies in response to gentrification: The case of Seoul, South Korea.*
- 074 Poster(s)** Rose Jimenez*, NOAA-CREST Doctoral Research Fellow, CUNY - Graduate Center; *Gravesend Bay, A Geographic Case Study*
- 075 Poster(s)** Meagan Boyter*, University of North Carolina at Greensboro; *A Case Study of Urban Planning in Greensboro, North Carolina*
- 076 Poster(s)** S M Ahsanullah*, Geography And Planning; *A Comparison of City of Detroit (USA) and City of Dinajpur (Bangladesh) by Analyzing Land Use/ Land Cover (LULC) Change of 1975-2015: Application of GIS and Remote Sensing Techniques*
- 077 Poster(s)** Natalia Vorotyntseva*, AECOM; Siyuan Li, AECOM; Avinash Srivastava, AECOM; *Application of the Heuristic Land Use Allocation Approach in Sustainable Urban Planning*
- 078 Poster(s)** Nomonde Gila*, Furman University; Matthew Cohen*, Furman University; *Assessing Community Sustainability for a Planned New Urban Development*
- 079 Poster(s)** Miles Hauser*, Furman University; *Assessing Renewable Energy Futures for a Planned New Urban Development*
- 080 Poster(s)** Yanwen Sheng*, Faculty of Geographical Science, Beijing Normal University; Yi Miao, Faculty of Geographical Science, Beijing Normal University; Jinping Song, Faculty of Geographical Science, Beijing Normal University; *Exploring the relationship between urbanization, innovation and CO2 emissions: Evidence from three major urban agglomerations in China*
- 081 Poster(s)** Sudeshna Ghosh*, Dr., Indiana University Of Pennsylvania; Haimanti Banerji, Indian Institute of Technology, Kharagpur; Kristina Thomas, Indiana University of Pennsylvania; Brian Okey, Indiana University of Pennsylvania; Subrata Chattopadhyay, Indian Institute of Technology, Kharagpur; *Field Study in India: Issues of Urban Growth, Economic Transformation, and Sustainability in Jaipur, Rajasthan*
- 082 Poster(s)** Lynn Phillips*, University of Kentucky; *Growth Management Limits: The Case of Lexington, Kentucky (USA)*
- 083 Poster(s)** Bailey Lai*, Pomona College; *Transit-Based Environmental Injustices in San Gabriel Valley and Greater Los Angeles*
- 084 Poster(s)** Vangelis Pitidis*, University of Warwick; Deodato Tapete, Dr, Italian Space Agency, Formerly at British Geological Survey (BGS); Jon Coaffee, Professor, University of Warwick; Joao Porto de Albuquerque, Professor, University of Warwick; *Implementation Challenges of Resilience Strategies and the inattention to Urban Geological Risk in Thessaloniki, Greece*
- 085 Poster(s)** Clio Andris*, Pennsylvania State University; Xi Liu, Pennsylvania State University; *How 6,000 Big Brothers Big Sisters (BBBS) Relationships Make Seven U.S. Cities More Cohesive*
- 086 Poster(s)** Fang Fang*, West Virginia University; Brenden McNeil, West Virginia University; Gregory Dahle, West Virginia University; *Monitoring urban tree stress symptom using multi-temporal satellite images in Washington D.C.*
- 087 Poster(s)** Yun Zhao*, University of Illinois - Springfield; Hongbo Yu, Oklahoma State University; *The Impact of Urban Form on HSR Accessibility – A Modal Competition Approach*
- 088 Poster(s)** Yan Wang*, *Tracking Urban Geo-Topics based on Dynamic Topic Model*
- 089 Poster(s)** Amy Bosteels*, Eckerd College; *Urban Shore-Side Fishers: perspectives on fishery regulations*
- 090 Poster(s)** Opeyemi Zubair*, Ph.D., Tarleton State University; Wei Ji, Ph.D., University of Missouri-Kansas City; *Urban Expansion and the Loss of Prairie and Agricultural Lands: An analysis at sub-watershed scales*
- 091 Poster(s)** Solaiman Khan*, Department of Geography and Planning, The University of Toledo; Bhuiyan Alam, Associate Professor, Department of Geography and Planning, The University of Toledo; *Urbanization and Density Pattern in Bangladesh: A Study Using Spatial Statistics and Tools*
- 092 Poster(s)** Hannah Cacner*, James Madison University; *Using GIS Modeling to Evaluate Equity in Cycling Infrastructure in Virginia Cities*
- 093 Poster(s)** JAE-CHEON LEE*, IGSNRR, Chinese Academy of Sciences; *Spatial expansion and contraction of urban commercial banks(regional banks) in Korea, China and Japan*
- 094 Poster(s)** Jacob Taylor*, Ohio University; *Change Detection in a Post-Industrial Environment*
- 095 Poster(s)** Matthew Walter*, University of Delaware; Pinki Mondal, University of Delaware; *Evaluating buffer stress along a spectrum of land uses for wetland health rapid assessment in Delaware*

SATURDAY, April 6 • 9:55 AM - 11:35 AM • Poster Sessions

096 Poster(s) Dohyeong Kim*, University of Seoul; Myungje Woo, University of Seoul; *Delineation of regional boundaries of small and medium sized cities and identification of factors associated with their growth*

097 Poster(s) Akihiro Tsukamoto*, Tokushima University; *How to Draw the City on Premodern Maps*

098 Poster(s) Ziming Li*, *The dynamics of informality, insufficiency, and conflicts in slums: Evidence from Patna, India*

099 Poster(s) Yalin Yang*, Binghamton University; *The inter-ethnic inequality in New York city : Evidence from real-time housing price & rent (2018)*

0100 Poster(s) Kimberly Lyons*, City of Flagstaff; *Conveying a Sense of Place for Planning: The Evolution of Mapping for The Southside Community Plan*

101 Poster(s) Miles Weule Chandler*, Clark University; *Developing an Open Space and Recreation Plan for Sudbury, Massachusetts*

102 Poster(s) Piotr Razniak*, Assistant Professor, dr, Pedagogical University of Cracow, Poland; Anna Winiarczyk-Razniak, Assistant Professor, dr, Pedagogical University of Cracow, Poland; Dorocki Sławomir, Assistant professor, dr, Pedagogical University of Cracow, Poland; *Spatial changes in the command and control function of cities based on the corporate center of interpolation model*

SATURDAY, April 6 • 9:55 AM - 11:35 AM

Saturday-047-9:55 a.m. Applications of Very High Resolution Remote Sensing in Urban Environments (Sponsored by Remote Sensing Specialty Group)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Shihong Du, Peking University; Changshan Wu, University of Wisconsin, Milwaukee

CHAIR: Shihong Du, Peking University

9:55 Changshan Wu*, University of Wisconsin, Milwaukee; *Applications of VHR remote sensing imagery in urban environments*

10:15 Shihong Du*, Prof., Peking University; Xiuyuan Zhang, Peking University; *Mapping urban functional zones from very-high-resolution images*

10:35 Olusola Festus*, University of Missouri - Kansas City; Wei Ji, PhD, University of Missouri Kansas City; *The Scenarios of Wetland Landscape Dynamics Identified With Different Image Classification Algorithms*

10:55 Suzanne Walther*, University of San Diego; Elizabeth Dengenis, University of San Diego; Krishna Gurung, Kevin Rohan Memorial Eco-Foundation; *Mapping sustainable development in Nepal*

11:15 Jin Wang*, PhD, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences; Zhifeng Wu, PhD, School of Geographical Sciences, Guangzhou University; Changshan Wu, PhD, Department of Geography, University of Wisconsin-Milwaukee; Paolo Tarolli, PhD, Department of Land, Environment, Agriculture and Forestry, University of Padova; Jinsong Chen, PhD, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences; *Mapping impervious surfaces with integrated method of classification and regression trees (CART) and linear spectral mixture analysis (LSMA) based on error analysis*

Saturday-048-9:55 a.m. Hazards, Risks, and Disasters

11 (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Brian Pompeii, Christopher Newport University; Naomi Lazarus, California State University - Chico

CHAIR: Brian Pompeii, Christopher Newport University

9:55 Jing Geng*, School of Computer Science & Technology, Beijing Institute of Technology, Beijing, China; Wenxia Gan, School of Civil Engineering and Architecture, Wuhan Institute of Technology, Wuhan, China; Hanning Yuan, School of Computer Science & Technology, Beijing Institute of Technology, Beijing, China; Jiakai Yang, School of Computer Science & Technology, Beijing Institute of Technology, Beijing, China; *A Cloud Model based Landslide Risk Level Assessment method*

10:15 Bing Wu*, National Taiwan Normal University - Taipei; Hsiang-Chieh Liu, National Taiwan University; Ray Chuang, National Taiwan University; *GIS-based modeling of Earthquake-Triggered Landslides in Taiwan*

10:35 Manuel E. Mendoza*, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; Teodoro Carlón Allende, CONACYT-Instituto de Geofísica, Unidad Morelia, Universidad Nacional Autónoma de México; Alejandro C. Valdés Carrera, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; Erna M. López, Instituto de Investigaciones en Ciencias de la Tierra, Universidad Michoacana de San Nicolás de Hidalgo; *Dendrogeomorphology: A tool for geomorphologic landslide hazard evaluation in intertropical mountain zones*

10:55 Wen Zhang*, School of Urban Planning and Design, Peking University Shenzhen Graduate School, Shenzhen 518055, China; Hui Zeng, School of Urban Planning and Design, Peking University Shenzhen Graduate School, Shenzhen 518055, China; *Landscape ecological risk assessment of coastal cities in China based on land-use change*

SATURDAY April 6 • 9:55 AM - 11:35 AM

- 11:15** Michelle Shuey*, University of Hawaii - Hilo; Matthew Seymour, University of Hawaii - Hilo; *Assessing Community Resilience During the May 3rd, 2018 Kilauea Eruption on Hawai'i Island*

Saturday-049-9:55 a.m. Forests and Ecological Services

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Siewe Siewe, Oklahoma State University

- 9:55** Carlos Morera Beita*, National University, Costa Rica; *Biological corridors in Costa Rica: An evaluation applying landscape structure and fragmentation/connectivity index*
- 10:15** Mitchell Pavao-Zuckerman*, University of Maryland; Tuana Phillips, University of Maryland; Sarah Ponte Cabral, University of Maryland; Nancy Falxa Sonti, USFS; Neely Law, Center for Watershed Protection; Susan Day, Virginia Tech; *Trees as green infrastructure: exploring the socio-ecohydrological services of urban trees and forests*
- 10:35** Andrei Lapenis*, SUNY - Albany; George Robinson, University at Albany; Clare Gaffey, Clark University; Maurizio Mencuccini, Research Centre for Ecology and Forestry Applications, Barcelona, Spain; Alexander Buyantuev, University at Albany; Shiguo Jiang, University at Albany; *Linking Canopy and Radial Growth Phenology in Coniferous Trees.*
- 10:55** Leo Mercer*, *Beyond the dollar: carbon farming and its alternatives for Tairāwhiti Māori landowners*
- 11:15** Siewe Siewe*, Oklahoma State University; *The Dynamics of Biodiversity in the Korup National Park, Cameroon*

Saturday-050-9:55 a.m. Building Better Methods in Economic Geography II (Sponsored by Economic Geography Specialty Group, Qualitative Research Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Pengfei Li; Harald Bathelt, University of Toronto

CHAIR: Roel Rutten, Tilburg University

- 9:55** Pengfei Li*, Dr.; Harald Bathelt, University of Toronto; *Spatial Knowledge Strategies*
- 10:15** Christoph Stich, University of Birmingham; Emmanouil Tranos*, University of Birmingham; Max Nathan, University of Birmingham; Zhaoya Gong, University of Birmingham; *The evolution of economic clusters through the lenses of web archives: the case of Shoreditch in London*
- 10:35** Mark Kuijpers, Vindsubsidies; Arnoud Legendijk*, Radboud University Nijmegen; Martin van der Velde, Dr, Radboud University; *The conditions for (in) effective regional collaboration in The Netherlands. Exploring the geography of causal paths of collaboration using QCA*
- 10:55** Yiwen Zhu*, East China Normal University; Harald Bathelt, University of Toronto; *How Geographical Context Influences Knowledge Acquisition at Trade Fairs: A Structural Equation Model Approach*
- 11:15** Liang-Chih Chen*, National Taiwan University; *Adopting multiple methods in economic geography research: The example of a trade show study*

Saturday-052-9:55 a.m. Dendrochronology II:**Dendroclimatology 2 (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)**

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Grant Harley, University of Idaho; Justin Maxwell, Indiana University

CHAIR: Justin Maxwell, Indiana University

- 9:55** Brendan Buckley*, Lamont-Doherty Earth Observatory; Rhys Parfitt, PhD, Woods Hole Oceanographic Institute; Caroline Ummenhofer, PhD, Woods Hole Oceanographic Institute; Kyle Hansen, B.S., Lamont-Doherty Earth Observatory; *North Atlantic Climate Variability from Labrador and Greenland Tree Rings*
- 10:15** Trevis Matheus*, California State University Fullerton; Justin Maxwell, Indiana University, Bloomington; Grant Harley, University of Idaho; *The potential for a millennial length, spatially dense monsoon reconstruction from tree-rings in New Mexico, USA*
- 10:35** Grant Harley*, University of Idaho; Justin T Maxwell, PhD, Indiana University; Joshua S Oliver, University of Western Australia; *2500 years of hydroclimate variability for New Mexico, USA*
- 10:55** Adam Csank*, University of Nevada - Reno; *The more things change... Some history of the use of tree-ring science by water resource managers in the western US*
- 11:15** Bethany Coulthard*, University of Nevada Las Vegas; Kevin J Anchukaitis, PhD, University of Arizona; Gregory T Pederson, PhD, USGS; Jay Alder, PhD, USGS; Steven Hostetler, PhD, USGS; Stephen Gray, PhD, USGS Alaska Climate Science Center; *Western United States Snow Droughts during the Common Era*

Saturday-053-9:55 a.m. Health Access and Health Seeking Behavior

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Xiang Chen, Arkansas Tech University

- 9:55** Debarchana (Debs) Ghosh*, University of Connecticut; Shamayeta Bhattacharya*, University of Connecticut; *Spatial relative probability pattern of cancer-screening behavior among African-Americans in the United States*
- 10:15** Lan Mu*, University of Georgia; Yu Chen, University of Georgia; Chen Zhen, University of Georgia; *Designing a Rural-Travel Clock for the Program Accessibility of SNAP-eligible Population*
- 10:35** Yue Shen*, East China Normal University; Yinhua Tao, Peking University; *Health Care Accessibility and Individuals' Health Seeking Behavior: A Case Study in Shanghai, China.*
- 10:55** Xiang Chen*, Arkansas Tech University; *Evaluating SNAP food retailer access by an improved 2SFCA method*
- 11:15** Jonathan M. Tan*, MD, MPH, MBI, The Children's Hospital of Philadelphia / Perelman School of Medicine at the University of Pennsylvania; Jorge A. Galvez, MD, MBI, The Children's Hospital of Philadelphia / Perelman School of Medicine at the University of Pennsylvania; Arul M. Lingappan, MD, The Children's Hospital of Philadelphia / Perelman School of Medicine at the University of Pennsylvania;

SATURDAY, April 6 • 9:55 AM - 11:35 AM

Jack O. Wasey, BMBCH Ma MSci Msc, The Children's Hospital of Philadelphia / Perelman School of Medicine at the University of Pennsylvania; Grace Hsu, MD, The Children's Hospital of Philadelphia / Perelman School of Medicine at the University of Pennsylvania; Allan F. Simpao, MD MBI, The Children's Hospital of Philadelphia / Perelman School of Medicine at the University of Pennsylvania; *Applications of Geographic Information Systems (GIS) in Pediatric Health Services Access and Utilization: Current and Future Research Directions*

Saturday-054-9:55 a.m. Book Launch: Routledge Handbook of Climate Justice

Room: Marshall North, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Brandon Derman, University of Washington

CHAIR: Michael Mikulewicz, Centre for Climate Justice - Glasgow Caledonian University

Introduction(s): Michael Mikulewicz, Centre for Climate Justice - Glasgow Caledonian University

Panelist(s): Mijin Cha, Occidental College; Brandon Derman, Dr., University of Washington; Tracey Osborne, Associate Professor, University of Arizona; Shannon O'Lear, Professor, University of Kansas

Saturday-055-9:55 a.m. Geographies of Health and Healthcare (Sponsored by Health and Medical Geography Specialty Group)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Prince Michael Amegbor, Queen's University; Jessica Finlay, University of Michigan; Kyle Plumb, Queens University

CHAIR: Mark Rosenberg, Queen's University

9:55 Tom Schwarzenberg*, Leibniz-Institute for Regional Geography; *Spatial Justice in Cross-border Healthcare. The Case of European Reference Networks for Rare Diseases*

10:15 Mark Rosenberg*, Queen's University; *Five Lessons from Canada on Planning Age-Friendly Communities*

10:35 Baishi Huang*, School of Geography and Planning, SUN Yat-sen University; Ye Liu, School of Geography and Planning, SUN Yat-sen University; Ruoyu Wang, School of Geography and Planning, Sun Yat-sen University; Zhixin Feng, Centre for Research on Ageing, School of Social Sciences, University of Southampton; Yuqi Liu, Bartlett School of Planning, University College London; Rong Wu, School of Geography and Planning, Sun Yat-sen University; *Exploring association between urbanization and self-rated health of elderly Chinese: Evidence from national population sample survey*

10:55 Matthew Wilson*, Appalachian State University; Maggie M Sugg, Ph.D., Appalachian State University; Sandi J Lane, Ph.D., Appalachian State University; *Internal and External Validation of the Multivariate Nursing Home Vulnerability Index*

Saturday-056-9:55 a.m. Transport Disadvantage through an Intersectional Lens

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Liam Fassam, Institute of Logistics, Infrastructure, Supply & Transportation

CHAIR: Liam Fassam, Institute of Logistics, Infrastructure, Supply & Transportation

9:55 Jacquie Bridgman*, University of Northampton; *Understanding the experience (needs and expectations) of women's travel patterns incorporating intersections of age and income: A systematic literature review*

10:15 Valerie Preston*, York University; Monika Maciejewska, Autonomous University of Barcelona; McLafferty Sara, University of Illinois; *Women's Changing Commutes: The Work Trips of Single Mothers in the New York Region, 2000-2010*

10:35 Sana Iqbal*, Coventry University; *Mobility delayed is mobility denied: studying the impact of transport-poverty on women in Karachi*

10:55 Teodora Van Oort*, *Analysing behavior in the peripheral neighbourhoods of 'star-cities' for social inclusion*

11:15 Hannah Shumway*, Macalester College; *Understanding the Construction of Accessibility and Mobility: Non-Car Transportation in St. Louis, Missouri*

Saturday-057-9:55 a.m. Advances in Understanding Glaciers and Ice Sheet Responses to a Changing Environment (Sponsored by Cryosphere Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sasha Leidman, Rutgers University; Rohi Muthyala, Rutgers, New Jersey State University

CHAIR: Sasha Leidman, Rutgers University

9:55 Sasha Leidman*, PhD Student, Rutgers University; Asa Rennermalm, Rutgers University; Rohi Muthyala, Rutgers University; *Does Sediment Impact the Hydraulic Properties of Supraglacial Streams?*

10:11 Rohi Muthyala*, Rutgers University; Asa Rennermalm, Rutgers University; Sasha Leidman, Rutgers University; Matthew G Cooper, University of California-Los Angeles; Sarah Cooley, Brown University; Lawrence C Smith, University of California-Los Angeles; Dirk van As, Geological Survey of Denmark and Greenland; *Towards understanding supraglacial river networks in southwest Greenland*

10:27 Asa Rennermalm*, Rutgers, The State University of New Jersey; Regine Hock, Univ of AK-Geophysical Inst; Marco Tedesco, Lamont Doherty Earth Observatory, Columbia University; Giovanni Corti, Reed College; Federico Covi, University of Alaska Fairbanks; Clement Miede, Rutgers, The State University of New Jersey; Jonathan Kingslake, Lamont -Doherty Earth Observatory; Sasha Leidman, Rutgers, The State University of New Jersey; Xavier Fettweis, University of Liege; *Increased Meltwater Refreezing in Southwest Greenland Ice Sheet Firm between 1989 and 2017*

10:43 Taylor Garton*, University of Northern Iowa; *Comparative analysis of paleo-glacier reconstruction in the Wind River Range, Wyoming, USA*

10:59 Holly Moulton*, University of Oregon; Mark Carey, Professor of History, University of Oregon; *Narratives of Ice Loss in the Peruvian Cordillera Blanca*

11:15 Bryan Mark*, The Ohio State University; Alex Eddy, IUS National Park Service, Sierra Nevada Inventory and Monitoring Network, Three Rivers, CA, USA; Michel Baraer, University of Quebec, ETS, Montreal,

SATURDAY April 6 • 9:55 AM - 11:35 AM

Canada; Jeffrey McKenzie, McGill University; Alfonso Fernandez, University of Concepcion; Susan Welch, Ohio State University; *Exploring patterns of hydrochemical alterations below melting glaciers in Peru in long-term samples of stream water*

Saturday-058-9:55 a.m. Physical Geography and Environmental Science

Theme: Physical Geography in Environmental Science
Room: Taylor, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Theme Committee
CHAIR: Sahar Mirzaee

- 9:55** Douglas Shoemaker*, University of North Carolina - Charlotte; Todd K BenDor, UNC Chapel Hill; Ross K Meentemeyer, NC State University; *Anticipating trade-offs between urban growth and ecosystem service production: scenario analyses of sprawl alternatives for a rapidly urbanizing region*
- 10:15** Hyo Jin Jang*, Dept. of Geography, Seoul National University; Soo Jin Park, Dept. of Geography/Director, Asia Center, Seoul National University; Jisoo Park, Dept. of Geography, Seoul National University; Woo Jin Shim, Dept. of Geography, Seoul National University; *A Study on Zoning Mountain Ridge Protected Areas*
- 10:35** Ying Chen*; *Coupling and Coordinated Development of Land Intensive Use and Ecological Efficiency in China*
- 10:55** Sahar Mirzaee*; *Understanding resilience of socio-technical systems: A case study of mobility in Boston*
- 11:15** Oforiwa Pee Agyei-Boakye*, University of Minnesota - Minneapolis; *Climate change variability and affecting transportation in Africa*

Saturday-060-9:55 a.m. Visualizing Access to Food and Vital Resources (Sponsored by Geographies of Food and Agriculture Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
Room: Madison A, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Angela Babb, Indiana University
CHAIR: Angela Babb, Indiana University

- 9:55** Hannah Wilson*, Indiana University Bloomington; Belen A Rogers, Indiana University Bloomington; Erica L Nantz, Indiana University Bloomington; Angela M Babb, Indiana University Bloomington; Daniel Curtis Knudsen, Indiana University Bloomington; *Exploring Food Access Across the State of Indiana: A Computational Approach*
- 10:15** Monica Alarcon*, Florida International University; *Miami-Dade County: Local Food, Global Place*
- 10:35** Daniel Knudsen*, Indiana University; Kassandra R. Leuthart, Indiana University; Scott M. Robeson, Indiana University; *Summary Measure for Spatial-Temporal Variation in Emergency Food Systems*
- 10:55** Kathryn Teigen De Master*, PhD, Department of Environmental Science, Policy, and Management, UC Berkeley; Jess Daniels, BA, Visual Arts, Fibershed; *Desert Wonderings: Reimagining Food Access Mapping*
- 11:15** Kathleen Lich*, Indiana University - Bloomington; Kathryn Tafoya, Indiana University - Bloomington; Maxx Millstein, Indiana University - Bloomington; Daniel Knudsen, Indiana University - Bloomington;

A Framework for Identifying Service Deserts in South Central Indiana

Saturday-061-9:55 a.m. Geographies of Refuge: Displacing Violence and Locating Protection II (Sponsored by Geographic Perspectives on Women Specialty Group, Political Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress
Room: Madison B, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Malene Jacobsen, University of Kentucky; Elisa Pascucci, University of Helsinki
CHAIR: Malene Jacobsen, University of Kentucky

- 9:55** Rachel Sharples*, Western Sydney University; *Disrupting state spaces: asylum seekers in Australia's offshore detention centres*
- 10:15** Michael Gordon*, McMaster University - Political Science Department; *Zoning the Mediterranean: Constructing the Sea as Humanitarian Space*
- 10:35** Kirsi P. Kallio*, Tampere University; Jouni Häkli, Tampere University; *The politics of encounters between asylum seekers and the migration regime*
- 10:55** Rosie Howlett-Southgate*, Miss, University College CORK; *(re) Assembling Home after Asylum: Exploring the intimate geographies of home re-making with refugees leaving Direct Provision in Cork, Ireland*
- 11:15 Discussant(s):** Jonathan Darling, Dr, Durham University

Saturday-062-9:55 a.m. Water Resources and Hydrology II

Room: Buchanan, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Emily Thompson, University of Idaho

- 9:55** Meng Ding*, Kansas State University; Jida Wang, Faculty; Chunqiao Song, Faculty; Yongwei Sheng, Faculty; Takuto Urano, Student; Colin Bailey, Student; Blake Water, Student; Pedro Satori, Faculty; *Global Assessment of Surface Water Abundance in Lakes and Reservoirs*
- 10:15** David Katz*, University of Haifa; *Water Conservation and Supply Augmentation in Israel - Is Coexistence Possible?*
- 10:35** Mandy Munro-Stasiuk*, Kent State University; James Tyner, Kent State University; Corrine Coakley, Kent State University; Sokvisal Kimsroy, Kent State University; Chunnly Chhay, Kent State University; *Temporal reconstruction of Khmer Rouge reservoirs in Kampot and Kep Provinces, Cambodia*
- 10:55** Jonathan Remo*, Southern Illinois University, Carbondale; *Towards unification of the lower Mississippi River's flood record*
- 11:15** Emily Thompson*, Department of Geography, University of Idaho; Karen Humes, Department of Geography, University of Idaho; Russell Qualls, Department of Biological Engineering, University of Idaho; *Examining patterns of water and energy in the Eastern Snake River Plain Aquifer region*

Saturday-063-9:55 a.m. Narratives of Resilience

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)
Time: 9:55 a.m. - 11:35 a.m.
ORGANIZER(S): Laura Kuhl, Northeastern University

SATURDAY, April 6 • 9:55 AM - 11:35 AM

CHAIR: Laura Kuhl, Northeastern University

9:55 Ibrahim Lopez Hernandez*, Northeastern University; Laura Kuhl, PhD, Northeastern University; Shalanda Baker, PhD, Northeastern University; *Exploring resilience narratives before and after climate disruption: the case of Puerto Rico's energy transition.*

10:15 Leith Deacon*, University of Guelph; Jake Papineau, University of Alberta; Kristof Van Assche, University of Alberta; Monica Gruezmacher, University of Alberta; *Evolutionary resilience: sustainable urban planning development*

10:35 Jenniffer Santos-Hernández*, University of Puerto Rico; Génesis Álvarez Rosario, University of Puerto Rico-Río Piedras; Ashley Méndez-Heavilin, University of Puerto Rico-Río Piedras; Perla Rodríguez-Fernández, University of Puerto Rico-Río Piedras; *Promoting Community Resilience to Extreme Events through Transformative Scenarios: Challenges and Opportunities for Sustainability Transitions*

10:55 Whitney Mauer*, Hobart & William Smith Colleges; *Remembrance and Mourning: Stories of Lower Elwha Klallam Trauma and Resilience on the Dammed Elwha River*

11:15 Discussant(s): Laura Kuhl, Northeastern University

Saturday-064-9:55 a.m. A New Regional World? Exploring Emerging and Reconfigured Subnational Spatial Scales 2 (Sponsored by European Specialty Group, Urban Geography Specialty Group, Political Geography Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Christian Sellar, University of Mississippi; Megan Dixon, The College of Idaho

CHAIR: Christian Sellar, University of Mississippi

9:55 John Dzwonczyk*, *Who Joins the Army? A Cultural Analysis*

10:15 Igor V. Pilipenko*, Financial University, Moscow; *Spatial inequality challenges in Russia's economic and industrial development at different hierarchical scales*

10:35 Michael Gentile*, University of Oslo; *Fakespace in Ukrainian geopolitical fault-line cities*

10:55 Andrew Wood*, University of Kentucky; Nicholas Phelps*, University of Melbourne; *Brokering between capital and community: location brokers and the competition for inward investment*

11:15 Damien Geffroy*, Virginia Tech; Robert Oliver, Dr., Virginia Tech Department of Geography; *A city of projects: Grand Paris, the 2024 Summer Olympics, and the jurisdictional negotiation of modern Paris.*

Saturday-065-9:55 a.m. Fluvial Forms and Processes II (Sponsored by Geomorphology Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kory Konsoer, Louisiana State University; Quinn Lewis, University of Illinois; Inci Gunalp, Texas A&M University

CHAIR: Kory Konsoer, Louisiana State University

9:55 Melinda Daniels*, Stroud Water Research Center; Diana Oviedo-Vargas, PhD, Stroud Water Research Center; Marc Peipoch, PhD, Stroud Water Research Center; Bernard Sweeney, PhD, Stroud Water Research Center; Charlie Dow, PhD, Stroud Water Research

Center; *Longitudinal Variation in Legacy and Pre-settlement Floodplain Deposits of White Clay Creek, PA and DE, USA.*

10:15 Cesar Castillo*, Texas A&M University; Inci Gunalp, Ph. D., Texas A&M University; Billy Hales, Texas A&M University; *Channel-floodplain connectivity within a coastal riverine landscape of Texas*

10:35 Bartosz Grudzinski*, Miami University; Ken Fritz, Dr., Office of Research and Development, National Exposure Research Laboratory, US Environmental Protection Agency, Cincinnati, Ohio, USA; *Can riparian fencing protect stream water quality in cattle pastures?*

10:55 Evan Lindroth*, Geography, University Of Illinois, Urbana Champaign; Bruce Rhoads, PhD, Geography, University of Illinois, Urbana-Champaign; *Objectively identifying spatial variability in bankfull stage*

11:15 Francis Magilligan*, Dartmouth College; Keith H. Nislow, USDA Forest Service, Northern Research Station; James T. Dietrich, University of Northern Iowa; *Transient versus sustained biophysical responses to dam removal*

Saturday-066-9:55 a.m. Large-scale Land Acquisitions and Effect on Agricultural Production, Ecosystem Services, and Smallholder Livelihoods II (Sponsored by Geographies of Food and Agriculture Specialty Group, Africa Specialty Group, Remote Sensing Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Carly Muir, Geography Dept.; Audrey Smith, University of Florida

CHAIR: Jane Southworth, University of Florida

9:55 Theresa Selfa*, SUNY ESF; *Community Perceptions of Flex Crop Expansion: Cases from Brazil, Argentina and Mexico*

10:15 Arun Agrawal*, University of Michigan; Daniel Brown, University of Washington; Chuan Liao, Arizona State University; Jens Lund, University of Copenhagen; *The "Science" of 'Land Grabbing'*

10:35 Chuan Liao*; Arun Agrawal, University of Michigan; Daniel Brown, University of Washington; Kerstin Nolte, University of Hanover; *Carbon emissions scenarios of global land rush and potential mitigation strategies*

10:55 Reza Khatami*, University of Florida; Jane Southworth, Geography Department, University of Florida, Gainesville, FL 32611, United States; Carly Muir, Geography Department, University of Florida, Gainesville, FL 32611, United States; Trevor Caughlin, Biological Sciences, Boise State University, Boise, ID 83725, United States; Alemayehu N. Ayana, Ethiopian Environment and Forest Research Institute, Ethiopia; Daniel G. Brown, School of Environment and Forest Sciences, University of Washington – Seattle, Seattle, WA 98195, United States; Chuan Liao, School of Sustainability, Arizona State University, Tempe, AZ 85281, United States; Arun Agrawal, School of Natural Resources and Environment, University of Michigan, Ann Arbor, MI 48109, United States; *Quantification of recent land-cover changes in Ethiopia*

11:15 Discussant(s): Daniel Brown, Professor and Director, University of Washington

SATURDAY April 6 • 9:55 AM - 11:35 AM**Saturday-067-9:55 a.m. Vegetal Geography 2: Advancing the Position and Politics of Plants in More-than-human Analyses (Sponsored by Animal Geography Specialty Group, Biogeography Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Megan Betz, Indiana University; Jared Margulies, University of Sheffield

CHAIR: Megan Betz, Indiana University

9:55 Colin Sutherland*, York University; *Those that burn and the risks they pose: Considering the position and politics of plants in fire-prone ecosystems***10:15** Anna Lawrence*, University of Cambridge; *The Meaning of (Vegetal) Life***10:35** Laura Dev*, University of California Berkeley; *A plant-centric view of ayahuasca's cosmopolitical engagements with more-than-human economies***10:55** Emily Reisman*, *Plants, Pathogens and the Politics of Care: Xylella fastidiosa and the intra-active breakdown of Mallorca's almond ecology***11:15 Discussant(s):** Juno Parrenas, Assistant Professor, Ohio State University**Saturday-069-9:55 a.m. Career Mentoring D (Sponsored by Careers and Professional Development)**

Room: Wilson B, Marriott, Mezzanine Level (Workshop)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Mark Revell, American Association of Geographers

9:55 Discussant(s): Edward Holland, Assistant Professor, University of Arkansas**10:05 Discussant(s):** Daniel Hammel, University of Toledo**10:15 Discussant(s):** Richard Quodomine, Senior Lead GIS Analyst, City of Philadelphia**Saturday-070-9:55 a.m. Publishing Work in Historical Geography (Sponsored by Historical Geography Specialty Group, Careers and Professional Development)**

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Michael Wise, University of North Texas

CHAIR: Michael Wise, University of North Texas

Panelist(s): Michael Wise, University of North Texas; Briony McDonagh, Dr, University of Hull, UK; Bridget Barry, University of Nebraska Press**Saturday-072-9:55 a.m. Coastal and Aeolian Geomorphology II: Managing Coastal Landscapes through Applied Research (Sponsored by Coastal and Marine Specialty Group)**

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mayra Roman Rivera, University of South Carolina; Peter Tereszkiewicz, University of South Carolina

CHAIR: Peter Tereszkiewicz, University of South Carolina

9:55 James Tait*, Southern Connecticut State University; *Building Coastal Resilience in the State of Connecticut Via Strategic Sediment Management***10:15** Robert Darlington*, University of Wisconsin - Madison; Elli Furukawa*, Amber Rutstein, University of Central Florida; Sharon Huerta, Beloit College; Alexia Thompson, University of Belize; Tim Hawthorne, Dr., University of Central Florida; Christy Visaggi, Dr., Georgia State University; Hannah Torres, Dr., University of Central Florida; Kate Brandt, M.S., University of North Carolina at Chapel Hill; *Mapping Beach Debris in Belize with Participatory GIS***10:35** Eleanor Davis*, Graduate Research Assistant, University of South Carolina; *Don't Stop Adapting! Hold on to that agriculture: A Case Study of Farming Adaptation Responses and Barriers in Coastal North Carolina***10:55** Phillip Schmutz*, University of West Florida; Emily Harris, University of West Florida; *Beach User Perception on the Economic and Ecological Importance of Sand Dunes at Pensacola Beach, Florida***Saturday-073-9:55 a.m. Mediating (Im)Materialities: Reflections on the Methods and Methodologies of Natural Resource Industries Fieldwork (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: Stones Throw 2, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Adrienne Johnson, University of San Francisco; Anna Zalik, York University

CHAIR:

Panelist(s): Emily Billo, Dr., Goucher College; Elizabeth Havice, Associate Professor, University of North Carolina-Chapel Hill; Adrienne Johnson, Assistant Professor, University of San Francisco; Flora Lu, Professor, UC Santa Cruz; Farhana Sultana, Associate Professor, Syracuse University**Discussant(s):** Gabriela Valdivia, Associate Professor, University of North Carolina - Chapel Hill**Saturday-074-9:55 a.m. Disruptive Technologies and African Development (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group, Development Geographies Specialty Group)**

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Joseph Oppong, University of North Texas

CHAIR: Joseph Oppong, University of North Texas

9:55 Joseph Oppong*, University of North Texas; *Disruptive Technologies and African Health Care Crisis - A path to Sustainability***10:15** Benjamin Ofori-Amoah*, Western Michigan University; *Sustainable Energy Generation & Storage as Forms of Green Economy***10:35** Kefa Otiso*, Bowling Green State University; *Bilateral Sino-Africa Migration: Trends and Implications for African Development***10:55 Discussant(s):** Padraig Carmody, Trinity College Dublin**Saturday-080-9:55 a.m. Geographies of Urban Real Estate II (Sponsored by Economic Geography Specialty Group)**

Room: Palladian, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

SATURDAY, April 6 • 9:55 AM - 11:35 AM

ORGANIZER(S): Michael Glass, University of Pittsburgh; Peter Wissoker, Cornell University

CHAIR: Peter Wissoker, Cornell University

9:55 Patrice Derrington*, Columbia University; *Re-Imagining Property: The Rise of the Real Estate Business in Early Modern London*

10:15 Rebecca Shakespeare*, Geography, University Of Illinois, Urbana Champaign - Urbana, IL; *How do middle-income renters make sense of housing costs in New York City?*

10:35 Eric Glass*, GIS Librarian, CUNY Graduate Center; *The Role of the Real Estate Press in the Development of Local Housing Markets and the Symbolic Construction of Place*

10:55 Michael Glass*, University of Pittsburgh; Devin Q Rutan, Princeton University; *Lovely curb appeal: Patterns and consequences of real estate rhetoric in Cleveland and Pittsburgh*

11:15 Andrew Riely*, Clark University; *The Strength of Good Matches: Relational Work for Residential Realtors in the Red-Hot Cambridge Market*

Saturday-081-9:55 a.m. Cities and Networks I:

Economic Networks

Room: Diplomat Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Zachary Neal, Michigan State University; Celine Rozenblat, Universite De Lausanne

CHAIR: Zachary Neal, Michigan State University

9:55 Ben Derudder*, Ghent University; Kathy Pain, Reading University; Peter Taylor, Northumbria University; *Real estate services firms and the world city network*

10:15 Neave O'Clery*, Oxford University; Francois Hulot, University of Oxford; Samuel Heroy, University of Oxford; Mariano Beguerisse, University of Oxford; *The network dynamics of urban agglomeration*

10:35 Joris Beckers*, Universiteit Antwerpen; Ann Verhetsel, Universiteit Antwerpen; *The network geography in Belgium through commuting detection, a special focus on retail landscapes*

10:55 Fabian Wenner*, Technical University of Munich, Chair of Urban Development; Michael Bentlage, Technical University of Munich, Chair of Urban Development; Alain Thierstein, Technical University of Munich, Chair of Urban Development; *High-Speed Rail and the development of interlocking firm networks of the knowledge economy in Germany and Europe*

11:15 Zachary Neal*, Dr., Michigan State University; Ben Derudder, Ghent University; Peter Taylor, Northumbria University; *Forecasting the World City Network*

Saturday-082-9:55 a.m. Human Rights and Land Tenure

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Lucy Natarajan, UCL

9:55 Andrew Linke*, University of Utah; *Environmental Change, Land Ownership, and Political Instability in Agrarian Societies*

10:15 Maano Ramutsindela*, *Environmental Justice and Land Reform*

10:35 David Asante Edwin*, University of Helsinki; *Tenure security in an African city: The case of Tamale*

10:55 Doug Hertzler*, ActionAid USA; Tristan Quinn-Thibodeau, ActionAid USA; *The Human Rights Impact of Farmland Acquisition by Universities and their Employee Retirement Funds in the United States and Brazil.*

11:15 Lucy Natarajan*, UCL; *Land registry applications of Blockchain: Monitoring & trust in planning collaborations*

Saturday-083-9:55 a.m. Right to the City 2: Case Studies from Brazil and India

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Maria Arquero De Alarcon, University of Michigan

9:55 Priscila Coli*, PhD Student, University of California Berkeley; *Current Urban Peripheries in Brazil: The Effects of Land Tenure Changes in Social and Spatial Justice*

10:15 Debangana Bose*, The Ohio State University; *Topology, Temporality and Differentiation in the Right to the City in Delhi's Periphery*

10:35 Sanchari Mukhopadhyay*, Jawaharlal Nehru University, New Delhi, India; *Negotiating Marginalities and the Everyday Struggle to claim a right to the City-Space: Tales from the People at the Margin of the Capital City of New Delhi, India*

10:55 Maria Arquero De Alarcon*, University of Michigan; Ana Paula Pimentel Walker, University of Michigan; *The Legal Geographies of Informal Peripheral Urbanization*

11:15 Monique Bruna Silva do Carmo*, Universidade do Vale do Paraiba; Sandra Maria Fonseca da Costa, Universidade do Vale do Paraiba; *Urban Growth and Investments in Infrastructure in Brazil: The Pac and Its Replication in Small Cities of the Delta of the Amazon River*

Saturday-084-9:55 a.m. Opportunities and Challenges for Sustainable Tourism Development in a Globalizing and Warming World

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): David Perkins, Missouri State University

CHAIR: David Perkins, Missouri State University

9:55 David Perkins*, Assistant Professor, Missouri State University; *Sustainable Tourism for Development: using tools from tourism climatology for future progress*

10:15 Dimitri Ioannides*, Mid-Sweden University; Sandra Wall Reinius, PhD, Mid-Sweden University; *What does the concept of over-tourism mean for remote natural areas?*

10:35 Joyelle Clarke*, St Mary's Biosphere Reserve; Kathleen Pessolano, Ms, GSTC; *Promoting Sustainable Tourism Through Education at Cayon High School, St Mary's Biosphere Reserve St Kitts*

SATURDAY April 6 • 9:55 AM - 11:35 AM

- 10:55** Duane Griffin*, Bucknell University; Clare Sammels, Bucknell University; Claudia Roedel, Independent Scholar; *Does Antarctic Experience Create Antarctic Ambassadors?*

Saturday-086-9:55 a.m. Sustainable Urbanization: Challenges and Opportunities (II) (Sponsored by China Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Yuyu Zhou, Iowa State University; Bailang Yu, East China Normal University; Wenze Yue, Zhejiang University

CHAIR: Wenze Yue, Zhejiang University

- 9:55** Bin Cheng*, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University School of Geographic Sciences, East China Normal University; Bailang YU, Key Laboratory of Geographic Information Science (Ministry of Education), East China Normal University School of Geographic Sciences, East China Normal University; *A new approach to automated extraction of street light and its solar energy potential assessment from JLI-3B nighttime light data*

- 10:15** Yuyu Zhou*, Iowa State University; Xue Liu, Iowa State University; Xuecao Li, Iowa State University; Huidong Li, Iowa State University; Yiming Wang, Iowa State University; *Urbanization and urban heat islands in the Jing-Jin-Ji (JJJ) area of China*

- 10:35** Lin Meng*, Department of Geological and Atmospheric Sciences, Iowa State University; Yuyu Zhou, Department of Geological and Atmospheric Sciences, Iowa State University; Jiafu Mao, Environmental Sciences Division and Climate Change Science Institute, Oak Ridge National Laboratory; Xuecao Li, Department of Geological and Atmospheric Sciences, Iowa State University; Ghasserm R. Asrar, Pacific Northwest National Laboratory, Joint Global Change Research Institute; *The response of spring phenology to urbanization and climate change*

- 10:55** Debin Lu*, Zhejiang University; Wenze Yue, Zhejiang University; Wanliu Mao, Geomatics Center of Zhejiang; Dongyang Yang, School of Geographic Sciences, East China Normal University; Jianhua Xu, School of Geographic Sciences, East China Normal University; *A land use random forest model for estimating the PM2.5 concentration in Yangtze River Delta, China*

- 11:15** Xuchao Yang*, Qian Chen, Ocean College, Zhejiang University; Tingting Ye, Ocean College, Zhejiang University; Naizhuo Zhao, Center for Geospatial Technology, Texas Tech University; Wenze Yue, Department of Land Management, Zhejiang University; *Estimating China's GDP from different sectors with remotely sensed and points-of-interest data*

Saturday-087-9:55 a.m. The Shrinking State

Room: Forum Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kevin Cox, Ohio State University

CHAIR: Kevin Cox, Ohio State University

- 9:55** Linda Lobao*, Rural Sociology Program, School of Environment and Natural Resources, The Ohio State University Columbus OH 43210; Mia Gray, Department of Geography, University of Cambridge, Downing Place,

Cambridge CB2 3EN; Kevin Cox, Department of Geography, The Ohio State University, Columbus, OH 43210, USA; Michael Kitson, Judge Business School University of Cambridge Cambridge CB2 1AG UK; *The Shrinking State? Debates, Implications, and Trends in the Retreat of the Public Sector*

- 10:15** Mildred Warner*, Cornell University; *Shrinking Local Autonomy: Corporate Coalitions and the Subnational State*

- 10:35** Heather Whiteside*, University of Waterloo; *Austerity as epiphenomenon? Public assets before and beyond 2008*

- 10:55** Caitlin Alcorn*, University of Washington; Kim England*, University of Washington; *Growing Care Gaps, Shrinking State? Home Care Workers and The Fair Labor Standards Act*

- 11:15** Mia Gray*, University of Cambridge; Anna Barford, University of Cambridge; *The Depths of the Cuts: the Uneven Geography of Local Government Austerity*

Saturday-088-9:55 a.m. Making Space for Healing in Justice: Critiques and New Directions (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Cabinet Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rebecca Patterson-Markowitz, University of Arizona - Geography & Development

CHAIR: Elizabeth Olson, UNC-Chapel Hill

Panelist(s): Derek Ruez, -, University of Tampere; Ingrid Nelson, Dr., University of Vermont; Caitlin Cahill, Dr, Pratt Institute; Rebecca Patterson-Markowitz, University of Arizona - Geography & Development; Shalini Sharma, Dr, University of East Anglia; Yesenia Andrade, University of Arizona

Discussant(s): Elizabeth Olson, Professor and Chair, UNC-Chapel Hill

Saturday-089-9:55 a.m. Geographical Computation Where Human Geography Matters II (Sponsored by Digital Geographies Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nick Lally, University of Kentucky; Luke Bergmann, University of British Columbia

CHAIR: Luke Bergmann, University of British Columbia

- 9:55** Dray Agha*, Royal Holloway, University of London; Joe Rowell, Royal Holloway University of London; Jodie Knapp, Royal Holloway University of London; *Default Power - the English Language in Computer Programming*

- 10:15** Britta Ricker*, Assistant Professor, University of Twente; *Gaia eye view: Linking critical theory to conceptualizations of scale and cartographic user interfaces*

- 10:35** John Swab*, University of Kentucky; *The Model 501 Spatial Data Plotter: Making the Digital, Physical in the Mid-Twentieth Century*

- 10:55** Eric Robsky Huntley*, Massachusetts Institute of Technology; *'You Misspelled Geography': Departmental Discontinuance and the De-Mattering of Geographical Knowledge*

- 11:15 Discussant(s):** Nick Lally, University of Kentucky

SATURDAY, April 6 • 9:55 AM - 11:35 AM**Saturday-090-9:55 a.m. Queer Political Ecology Reading****Group: A Reading Session**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Congressional A, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rachael Baker, York University; Spencer Nelson, McGill University

CHAIR: Rachael Baker, York University

Introduction(s): Rachael Baker, York University

Discussant(s): Spencer Nelson, McGill University; Spencer Nelson, McGill University; Rachael Baker, York University; Rachael Baker, York University

Saturday-091-9:55 a.m. Symposium on Human Dynamics

**Research in the Age of Smart/Intelligent Systems:
Inaugural Speaker for Journal of Geovisualization
and Spatial Analysis (Sponsored by Cartography
Specialty Group, Geographic Information Science
and Systems Specialty Group, Cyberinfrastructure
Specialty Group)**

Room: Congressional B, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology; Michael Goodchild, University of California

CHAIR: Xinyue Ye, New Jersey Institute of Technology

Introduction(s): Xinyue Ye, Associate Professor, New Jersey Institute of Technology

Discussant(s): Michael Goodchild, Professor, University of California; Michael Goodchild, Professor, University of California; Michael Goodchild, Professor, University of California; Xinyue Ye, Associate Professor, New Jersey Institute of Technology

**Saturday-092-9:55 a.m. The Corporation and its Importance
to Human Geography: Advancing New Critical
Perspectives 2**

Room: Empire Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Crispian Fuller, Cardiff University; Jennifer Johns, University of Bristol

CHAIR: Crispian Fuller, Cardiff University

9:55 Samson Tella*, Norwegian University of Science and Technology; *Firm agency and Global production network dynamics*

10:15 Sakura Yamamura*, *Transnational urban spaces from a structural perspective: the embeddedness of transnational professionals in the multi-level tempo-spatial context of corporate strategies*

10:35 Justin Stern*, Harvard University; *Synchronizing the City: The Temporal and Spatial Dynamics of Business Process Outsourcing*

10:55 Elena Trubina*, Ural Federal University; *Extended corporately urbanized landscapes: company towns and other spatial fixes*

11:15 Byeungok Ko*, Department of Geography, Seoul National University; Yangmi Koo, Department of Geography, Seoul National University; *Multi National Corporation disinvestment and host region: Korea GM Gunsan Plant*

Saturday-093-9:55 a.m. Smart Environmental Technologies:**Art, Design, and Political Ecology in the Expanded Field**

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Max Ritts, University of Minnesota; Karen Bakker, University of British Columbia

CHAIR: Max Ritts, University of Minnesota

9:55 Elizabeth Johnson*, University of Durham; *Salvation in a Shrimp Shell: Smart Biomaterials for the Anthropocene*

10:15 Max Ritts*, University of Minnesota; Karen Bakker, UBC; *Ecology, Play, Design: On Anthropocene Festivals*

10:35 Douglas Robb*, University of British Columbia; *Aesthetic Encounters with the Water-Energy Nexus: Design, Digital Technology, and the Contested Geographies of Oil and Gas*

10:55 Peter Howson*, Nottingham Trent University; *Coding nature to save it? The political ecology of blockchain in Central Kalimantan, Indonesia*

11:15 Introduction(s): Max Ritts, University of Minnesota

Saturday-094-9:55 a.m. After the Global Land Grab II:

**Identity, Place, and Agrarian change (Sponsored
by Geographies of Food and Agriculture Specialty
Group, Development Geographies Specialty Group,
Cultural and Political Ecology Specialty Group)**

Room: Regency Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Will Shattuck; W. Nathan Green, University of Wisconsin - Madison

CHAIR: W. Nathan Green, University of Wisconsin - Madison

9:55 Discussant(s): Miles Kenney-Lazar, National University of Singapore

10:15 Anne-Teresa Birthwright*, The University of the West Indies; *Capitalism and Climate Change: Critical Perspectives on the Livelihood Experiences of Jamaican Smallholder Specialty Coffee Farmers*

10:35 Vanessa Banta*, *Back to Land: return labor migrants as agricultural investors in the Philippines*

10:55 Will Shattuck*, *Regional articulations: contending with low rubber prices in southern Thailand*

11:15 Ross Doll*, University of Washington - Seattle, WA; *Place, Memory, and Peasant Persistence in a Chinese Agricultural Modernization Pilot Demonstration Area*

**Saturday-095-9:55 a.m. Secondary Cities: Mapping for
Resiliency, Human Security and Emergency
Preparedness**

Room: Blue Room, Omni, East (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers; Zan Dodson, American Association of Geographers; Candice Luebbering, American Association of Geographers

CHAIR:

Discussant(s): Candice Luebbering, Senior Research Geographer, American Association of Geographers; Zan Dodson, American Association of Geographers; Candida Mannozi, Deputy Director for Operations, American Association of Geographers

SATURDAY April 6 • 9:55 AM - 11:35 AM

Saturday-097-9:55 a.m. Post-Crisis Fiscal Geographies II: Tax, Property Regimes, and New Strategies for Accumulation (Sponsored by Economic Geography Specialty Group, Legal Geography Specialty Group, Political Geography Specialty Group)

Room: Capital Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kelly Kay, University of California, Los Angeles; Renee Tapp, Harvard University

CHAIR: Kelly Kay, University of California, Los Angeles

9:55 Ana Drago*, *How austerity “worked”: the Portuguese case on post-crisis financialization and repoliticization of the city*

10:15 Philipp Katsinas*, London School of Economics; *Transforming the housing system: austerity and property taxation during the “Greek crisis”*

10:35 Joseph Daniels*, University of British Columbia; *“Crowdfunding our way out of crisis”: where ‘platform capitalism’ meets post-crisis austerity governance in U.K. councils*

10:55 Taylor Shelton*, Mississippi State University; Mustafa Monk, Mississippi State University; *Speculative urbanism from off the map: housing, property and post-crisis urban change in ‘Mississippi’s College Town’*

11:15 Renee Tapp*, Harvard University; *LLC Urbanism*

Saturday-098-9:55 a.m. Racial Capitalism: A Methodological Discussion 2 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Embassy Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Benjamin Teresa, Virginia Commonwealth University; Caroline Ponder, University of British Columbia; Kelsey Johnson

CHAIR: Benjamin Teresa, Virginia Commonwealth University

9:55 Introduction(s): Kelsey Johnson

10:15 Christian Anderson*, Assistant Professor, University of Washington Bothell; *Linking racial capitalism, structures of feeling, and value*

10:35 Jack Gieseke*, University of Kentucky; *Accumulation of Dispossession*

10:55 Discusssant(s): Juan De Lara, Mr., University of Southern California

Saturday-099-9:55 a.m. Economic Geography X - Spatial Inequality, Environmental Innovation & Sustainability, and Local Economic Development (Sponsored by Economic Geography Specialty Group)

Room: Hampton Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Dieter Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; Peter Kedron, Oklahoma State University

CHAIR: Peter Kedron, Oklahoma State University

9:55 Christian R. Oestergaard*, Aalborg University; *Environmental innovations in the Nordic countries: effects of firm and employee characteristics*

10:15 Silvia Rita Sedita*, University of Padova; Ivan De Noni, University of Brescia; Luigi Orsi, University of Milan; Roberta Apa, University of Bergamo; *Environmental innovation and socio-economic sustainability: evidence from European regions*

10:35 Stefania Fiorentino*, University College London; *Defining a new urban economic geography of*

innovation and the implications for local economic development. A case study of Rome.

10:55 Moira O'Neill*, Kent State University; *Non-cooperation and spatial inequality in the Youngstown area*

11:15 Ozge Yenigun*, University of Illinois at Urbana-Champaign (Dept of Urban & Reg Pl); *From Diversity to Economic Development: The Role of Institutions and Policies in European Regions*

Saturday-100-9:55 a.m. Geographies of Property II: Land Use (Sponsored by Urban Geography Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nick Lombardo, University of Toronto; Stephen Przybylinski, Syracuse University; Trevor Wideman, Simon Fraser University

CHAIR: Nick Lombardo, University of Toronto

9:55 Ayse Gumec Karamuk*, University College London; *Defending the public interest: Exploring the judicial processes of contested urban planning practices in London and in Istanbul*

10:15 Philip Hubbard*, King's College London; *Law, pliability and differential rights to the city: legal geographies of resistance at the gentrification frontier*

10:35 Trevor Wideman*, Simon Fraser University; *Land Use Planning, Waste, and the Making of “Properly Propertied” Citizens in Vancouver, Canada*

10:55 Michael Vine*, USF; *Assembling the City Differently: Towards a Politics of Contextualization in Contentious Urban Development*

11:15 Trushna Parekh*, Texas Southern University; Karen Kossie-Chernyshev*, Texas Southern University; *Resisting the Wreckage in Houston's Historic Fifth Ward: Gentrification, Eminent Domain, and the Church*

Saturday-101-9:55 a.m. Urban Parks and Green Spaces: Myth, Reality or Paradox? Session 2 (Sponsored by Urban Geography Specialty Group, Landscape Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Meredith Whitten, London School of Economics; Rachel Will, University of Georgia

CHAIR: Meredith Whitten, London School of Economics

9:55 Rachel Will*, University of Georgia; *To green, or not to green?: Assessing the negative outcomes of urban greening and the policies designed to avoid them*

10:15 Marion Ernwein*, University of Oxford; *Lively infrastructures in austere cities: examining the work that makes urban nature*

10:35 José Vila Vázquez*, LabEx DynamiTe - UMR 8504 Géographie-Cités. University of Paris 1; *Regional landscape recreation within an European cultural megaproject. The Spanish case of the “Forest of Galicia”*

10:55 Mark Bjelland*, Calvin College; *Privatization and Park Space in the New Urbanism, New Towns, and Conservation Developments*

11:15 Meredith Whitten*, London School of Economics; *Friends or frenemies? The increasing influence of user groups in London's urban green space management*

SATURDAY, April 6 • 9:55 AM - 11:35 AM

Saturday-102-9:55 a.m. Mapping Difficult Stories II (Sponsored by Cartography Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sebastien Caquard, Concordia University; Anne Knowles, University of Maine

CHAIR: Piera Rossetto, University of Graz _ Centre for Jewish Studies

9:55 Sebastien Caquard*, Dr., Concordia University; Emory Shaw, Concordia University; José Alavez, Concordia University; *Atlascine 4.0: Interfacing between Maps, Stories and Places*

10:15 Sara Koopman*, Kent State University; Jennifer Mapes, Kent State University; Chris Willer, Kent State University; Robin Burkhardt, Kent State University; *Mapping May 4th, 1970 at Kent State: using spatial stories to build solidarity and reconciliation 50 years later*

10:35 Claudia Espinosa*, Dept. of Geosciences & the Environment, Cal State Los Angeles; Alejandro Covarrubias, PhD, Dept. of Chicana(o) and Latina(o) Studies, Cal State Los Angeles; *Mapping the voices of the desaparecidos: The CRIPT Collective multimedia platform*

10:55 Anja Novković*, Concordia University; *Alley Atlas: The Story of One Montréal Backstreet in 12 Maps*

11:15 Discussant(s): Nicholas Bauch, Master of Fine Arts Candidate, University of Minnesota

Saturday-103-9:55 a.m. Geographies of Media II: Art for Community Change (Sponsored by Media and Communication Geography Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

CHAIR: Lauren Gerlowski, Point Park University

9:55 Daniel Bos*, *Immersive Geographies: Virtual Reality (VR) for social & political change*

10:15 Yu Hsuan Wang*, National Taiwan University; *Assembling Art Worlds : Open the White Cube of New Media Art in Contemporary Taiwan*

10:35 Lauren Gerlowski*, Point Park University; *The New York City Fiscal Crisis' Effect on Art and Artists*

SATURDAY, April 6 • 10:00 AM - 1:00 PM

Saturday-200-9:55 a.m. F4_1 Restoration of Klinge Creek- An Outcome of Pro-Road Versus Anti-Road Dispute in the Heart of Washington

Room: Field Trip Departure Location (Field Trip)

Time: 10:00 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

SATURDAY, April 6 • 9:55 AM - 11:35 AM

Saturday-201-9:55 a.m. Journal Editor's Meeting Placeholder Session

Room: Field Trip Departure Location (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

Discussant(s): Ling Bian, SUNY- Buffalo; David Butler, Texas State University System Regents' Professor of Geography, Texas State University - San Marcos; Jennifer Cassidento, American Association of Geographers; Deborah Dixon, University of Glasgow; Stephen Hanna, Professor, University of Mary Washington; Nik Heynen, University of Georgia; Kent

Mathewson, Fred B. Kniffen Professor, Louisiana State University; James McCarthy, Professor, Clark University; Douglas Richardson, Executive Director, American Association of Geographers; Barney Warf, Professor, University of Kansas

Saturday-202-9:55 a.m. Editorial Board Meeting Placeholder Session

Room: Field Trip Departure Location (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

SATURDAY April 6 • 11:45 AM - 1:00 PM**Saturday-002-11:45 a.m. Past President's Address by Derek Alderman, "Keeping it REAL in a Post-Truth World: Geography as Reparative Storytelling"**

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Plenary)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Saturday-026-11:45 a.m. Eurasian Specialty Group Business Meeting (Sponsored by Eurasian Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-027-11:45 a.m. Legal Geography Specialty Group Business Meeting (Sponsored by Legal Geography Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-037-11:45 a.m. Community College Affinity Group Business Meeting (Sponsored by Community College Affinity Group)

Room: Washington 2, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-038-11:45 a.m. Urban Geography Specialty Group Business Meeting (Sponsored by Urban Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-039-11:45 a.m. Socialist and Critical Geography Specialty Group Business Meeting (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-049-11:45 a.m. Geographic Perspectives on Women Specialty Group Business Meeting (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-056-11:45 a.m. Media and Communication Geography Specialty Group Business Meeting (Sponsored by Media and Communication Geography Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-058-11:45 a.m. Animal Geography Specialty Group Business Meeting (Sponsored by Animal Geography Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

Saturday-088-11:45 a.m. Economic Geography Specialty Group Business Meeting (Sponsored by Economic Geography Specialty Group)

Room: Cabinet Room, Omni, West (Meeting)

Time: 11:45 a.m. - 1:00 p.m.

ORGANIZER(S): The American Association of Geographers

SATURDAY, April 6 • 1:10 PM - 2:50 PM

Saturday-001-1:10 p.m. Smart Regions – Theoretical, Empirical and Conceptual Perspectives

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Julia Binder, BTU Cottbus

CHAIR: Julia Binder, BTU Cottbus

1:10 Ariane Sept*, Leibniz Institute for Research on Society and Space (IRS); *Figurations of rural smartness: Smart villagers as drivers of rural digitalization processes*

1:30 Antje Matern*, Julia Binder, Brandenburg University of Technology; *Smart regions: insights from hybridization and peripheralization research*

1:50 Discussant(s): Julia Binder, BTU Cottbus

2:10 Tommi Inkinen*, University of Turku; *Innovative Northern European Smart Cities and Regions*

2:30 Maura Farrell*, Dr, National University of Ireland, Galway; *Rural Volunteerism: Impacting Development and Sustainability*

Saturday-002-1:10 p.m. AAG and “The Conversation”

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

Introduction(s): Douglas Richardson, Executive Director, American Association of Geographers

Panelist(s): Lorraine Dowler, Associate Professor, Penn State University; Alexander Murphy, Professor, University of Oregon; Derek Alderman, Professor & Former AAG President, University of Tennessee

Saturday-003-1:10 p.m. The Camp and the Question of Community

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Richard Carter-White, Macquarie University; Claudio Minca, Macquarie University

CHAIR: Richard Carter-White, Macquarie University

Introduction(s): Claudio Minca, Prof, Macquarie University

Panelist(s): James Tyner, Kent State University; Richard Carter-White, Macquarie University

Discussant(s): Polly Pallister-Wilkins, Assistant Professor, University of Amsterdam

Saturday-004-1:10 p.m. Outside the Wage I: Seeing Politics and Possibilities with Critical Comparisons (Sponsored by Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Aman Luthra, Kalamazoo College; Jennifer Tucker, University of New Mexico

CHAIR: Christian Anderson, University of Washington Bothell

1:10 Cynthia Morinville*, University of Toronto; *The Toil of Waste: Exploring invisible exploitation and infrastructural labour in the informal e-waste economy*

1:30 Kathryn Wells*, Georgetown University; *Precarious Urban Labor: The Work Lives of Uber Drivers*

1:50 Vinzenz Baumer Escobar*, Utrecht University; *Self-Employment in Catalonia and the UK: the Promise and Pitfalls of Freedom in the Post-Wage Economy*

2:10 William Monteith*, Queen Mary University of London; *Ordinary work in the post-wage economy: Reflections from a Ugandan marketplace*

2:30 Discussant(s) Jennifer Tucker, Assistant Professor, University of New Mexico

Saturday-005-1:10 p.m. Recentering Tourism Geographies in the ‘Asian Century’ (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Harng Luh Sin, National University Of Singapore; Mary Mostafanezhad, University of Hawai‘i at Manoa; Joseph Cheer, Monash University

CHAIR: Joseph Cheer, Monash University

Panelist(s): Harng Luh Sin, National University Of Singapore; Alan Lew, Professor, Northern Arizona University; Tim Oakes, Professor, University of Colorado; Kathie Carpenter; Sanjay Nepal, Professor, University of Waterloo; Chris Gibson, Professor in Human Geography, University of Wollongong

Discussant(s): Xiaobo Su, Associate Professor, University of Oregon; Mary Mostafanezhad, University of Hawai‘i at Manoa

Saturday-006-1:10 p.m. Changing Geographies of Social Welfare I: New Approaches and Technologies (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Melissa Heil, University of Illinois

CHAIR: Melissa Heil, University of Illinois

1:10 Waquar Ahmed*, University of North Texas; *Neoliberal Indian State as Caste Power*

1:30 Discussant(s): Mark Boyle, University of Liverpool

1:50 Discussant(s): Alistair Sheldrick, Mr, University of Manchester

2:10 Aisling Gallagher*, Massey University; *The Where of Care: Speculative Dissonance and the Assetisation of Childcare*

2:30 Cory Sanchez*, *Under Transition: The evolution of co-location and its approach to homelessness*

Saturday-007-1:10 p.m. Liquidity of Borders: Exploring Meanings and Effects of (non)Autonomy of Contemporary Migrations I (Sponsored by Political Geography Specialty Group, Legal Geography Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Md Azmeary Ferdoush, University of Hawaii - Manoa; Borjana Lubura, University of Hawaii - Manoa

CHAIR: Md Azmeary Ferdoush, University of Hawaii - Manoa

1:10 Jussi Laine*, Karelian Institute, University of Eastern Finland; *Deterrent Border Politics and the Subversive Power of the Migrant*

1:30 Bostjan Rogelj*, Assistant Professor, University of Ljubljana; Borjana Lubura*, University of Hawaii - Manoa; *The European Asylum policy changes and its Domino Effect on the Balkan Route*

SATURDAY April 6 • 1:10 PM - 2:50 PM

- 1:50** Lewis J Dowle*, University of St Andrews; *Order and Chaos? The (Co)Relational Border in Sweden/Denmark*
- 2:10** Elisa Sperandio*, University of Kentucky; *Setting the Stage: an analysis of island-mainland relationship in the establishing of Lampedusa as a key location of Border Spectacle*
- 2:30** Á.Clotilde Houchon PhD, FRGS*, University of Utah; *Whispers From the Gutter: The Gutter, Its Boundaries, and Mis-Guided Drifts*

**Saturday-008-1:10 p.m. The 2018 Elections and Beyond
(Sponsored by Political Geography Specialty Group)**

Room: Virginia B, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): John Heppen, University of Wisconsin, River Falls

CHAIR: Robert Watrel, South Dakota State University

Panelist(s): Fiona Davidson, University Of Arkansas; Ryan Weichelt, University of Wisconsin - Eau Claire; Barney Warf, Professor, University of Kansas; John Wertman, Program Manager, Public Policy, Esri; John Archer, Professor, University of Nebraska

**Saturday-009-1:10 p.m. Gender, Development, and
Technology: Feminist and Postcolonial Perspectives
(Sponsored by Cultural and Political Ecology
Specialty Group, Geographic Perspectives on
Women Specialty Group)**

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jade Sasser, University of California - Riverside; Deepti Chatti, Yale University

CHAIR: Jade Sasser, University of California - Riverside

- 1:10 Discussant(s):** Farhana Sultana, Associate Professor, Syracuse University
- 1:30 Introduction(s):** Gregory Simon, Associate Professor, University of Colorado Denver
- 1:50** Jade Sasser*, University of California - Riverside; *Of Contraceptives and Cookstoves: Gendered Technologies as forms of "Empowerment"*
- 2:10** Deepti Chatti*, Yale University; *What's in a name? Troubling dichotomies underpinning energy access efforts in the Global South*
- 2:30** Stephanie Leder*, *Can Water Technologies Address a "Feminisation of Agriculture"?*

**Saturday-010-1:10 p.m. Accessibility Across Types of Urban
Public Space: Cases and Commentary**

Room: Delaware A, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Karen Franck, new jersey institute of technology

CHAIR: Karen Franck, new jersey institute of technology

- 1:10** Mariam Abdelazim*, New Jersey Institute Of Technology; *Opening and Closing a Public Space: The Story of Tahrir Square*
- 1:30** Han Yan*, New Jersey Institute Of Technology; *Access to Urban Restoration Spaces*
- 1:50** Te-Sheng Huang*, *How "Public" are Privately Owned Public Spaces?*
- 2:10** Hanife Vardi Topal*, New Jersey Institute Of Technology; *How Accessible are Parklets?*
- 2:30** Karen Franck*, new jersey institute of technology; *The Accessibility of Public Space: Let's Count the Ways*

**Saturday-012-1:10 p.m. New Spatialities of Grassroots
Resistance (Sponsored by Cultural Geography
Specialty Group)**

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Nerve Macaspac, CUNY College of Staten Island; Catherine Bender, UCLA; Marlene Nava Ramos, CUNY - Graduate Center

CHAIR: Nerve Macaspac, CUNY College of Staten Island

- 1:10** Catherine Bender*, UCLA; *Between Killjoys and Diverse Economies*
- 1:27** Cary Karacas*, College of Staten Island, City University New York; *Visuality and the Japanese Wartime City*
- 1:44** Preeti Sharma*, UCLA; *Algorithms and Alt-Labor Movements: Scheduling Issues and Resistance in the Los Angeles Retail Industry*
- 2:01** Nerve V. Macaspac*, CUNY College of Staten Island; *Insurgent Peace: Community-led Peacebuilding as Spatial Power*
- 2:16** Marlene Nava Ramos*, CUNY - Graduate Center; *Abolish ICE? Dismantling Immigration Confinement in the Era of Carceral Crises and Reforms*
- 2:33** Daniel Gonzalez*, Graduate Student, University of Illinois; *Documenting the Undocumented: Migrant Refusals in San Francisco's Sanctuary City*

**Saturday-016-1:10 p.m. Storytelling in Critical Geography
(Sponsored by Latin America Specialty Group,
Geographic Perspectives on Women Specialty
Group, Geographies of Food and Agriculture
Specialty Group)**

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rebecca Croog, Temple University; Allison Hayes-Conroy, Temple University; Alexis Saenz Montoya, Temple University

CHAIR: Alexis Saenz Montoya, Temple University

- Panelist(s):** Rebecca Croog, Temple University; Allison Hayes-Conroy, Allison Hayes-Conroy, Temple University; Dydia DeLyser, Assistant Professor, California State University, Fullerton; Dylan Harris, Clark University
- Discussant(s):** Jenna Christian, Ms., Pennsylvania State University; Ross Doll, University of Washington - Seattle, WA; Teo Ballve, Colgate University

**Saturday-018-1:10 p.m. Critical Approaches to Disability
Workshop: Part 1 (Sponsored by Disability Specialty
Group, Geographic Perspectives on Women
Specialty Group)**

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Sara Loftus, West Virginia University; Catherine Jampel, Clark University

CHAIR: Catherine Jampel, Clark University

Introduction(s): Catherine Jampel, Graduate Student, Clark University

Panelist(s): Laura Crawford, Loughborough University; Nancy Yang; Anna Davidson, Dr., University of Huddersfield

Discussant(s): Sara Loftus, West Virginia University

SATURDAY, April 6 • 1:10 PM - 2:50 PM

Saturday-019-1:10 p.m. Contemporary Topics in Military Geography (Sponsored by Military Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Andrew Lohman

CHAIR: Mark Read, United States Military Academy

1:10 Hwang Sunghan*, Woosuk University; Joseph Henderson*, Georgia Gwinnett College; *A Preliminary Study for a Korean Demilitarized Zone Land-Use Plan after Reunification*

1:30 Adam Moore*, Mr, UCLA; *Compensating foreign military workers in warzones*

1:50 Heather Speight*, USACE / AGC; Demetra Voyadgis, USACE; *Using Geospatially-Enabled Decision Analysis to Assess Regional Threats to Water Stability*

2:10 Quentin Stubbs*, University of Maryland - College Park; *Environmental Challenges faced by the US Military in Africa*

2:30 Mark Read*, United States Military Academy; *Climate Change and U.S. National Security: Where Are We Now?*

Saturday-020-1:10 p.m. Normative and Exclusive Natures

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dawn Biehler, University of Maryland Baltimore County

CHAIR: Dawn Biehler, University of Maryland Baltimore County

1:10 Mary Biggs*, University of North Carolina - Chapel Hill; *Immersive Memories: Landscapes of Living History Museums in North Carolina*

1:25 Rebekah Breitzer*, CUNY - Graduate Center; *White American Women and Environmental Justice: The Progressive Era Ethos Meets 21st Century Environmental Crises*

1:40 Dawn Biehler*, University of Maryland Baltimore County; *Policing and Privilege in the Urban Wilds: Whiteness, Sex, and Nature Enjoyment in New York's Central Park*

1:55 Sherri Sheu*, University of Colorado Boulder; *The Mountain Yellow-Legged Frog in the Sierra Nevada: A Historical Perspective*

2:10 Sara Newman*, University of Colorado - Denver; Deborah SK Thomas, PhD, University of North Carolina, Charlotte; *Social Construction of Health and Nature: Beyond Fit and Fat, Engaging with Klondike Gold Rush NHP and Perceptions of Health*

Saturday-023-1:10 p.m. The 'Work' of Nature – Towards a Political Economy of Lively Capital (1) (Sponsored by Cultural and Political Ecology Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): James Palmer, University of Bristol; Marion Ernwein, University of Fribourg; Maan Barua, University of Oxford

CHAIR: Marion Ernwein, University of Fribourg

1:10 Introduction(s): Marion Ernwein, University of Fribourg

1:20 Alyssa Battistoni*, Yale University; *On Valuing the Work of Nature*

1:38 Pierre-Alexandre Paquet*, University of Wisconsin - Madison; *Biopolitics of Lively Capital: Recolonizing Uttar Pradesh's jungles through animal and tree fencing*

1:56 Jonathon Turnbull*, University of Cambridge; *Redundant Bovine Masculinities: the case of India's sacred cattle*

2:14 Rebecca Ellis*, University of Western Ontario; *Competitors, invaders or allies? Negotiating the contested relationships between urban honeybees, native bees, and their advocates in Toronto*

2:32 James Palmer*, University of Bristol; *Putting forests to work? Enrolling vegetal labour in the forest-based bioeconomy*

Saturday-024-1:10 p.m. Agriculture and Rural Geography in East Asia (Sponsored by Rural Geography Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Shuang-shuang Tu, Guangxi Teachers Education University

1:10 Wenhsuan Chen*, *Festivalscape in Taiwan Gukeng coffee festival*

1:30 Lanjiao Wen*, Huazhong Agricultural University; Anlu Zhang, Huazhong Agricultural University; *What happens to land price when a rural construction land market legally opens in China? A spatiotemporal analysis of Nanhai District from 2010 to 2015*

1:50 Jianping Tao*, *Research on Convergence of Chinese Agricultural Insurance Coverage*

2:10 Wenhao Wu*, Faculty of Geographical Science, Beijing Normal University; Yansui Liu, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yuheng Li, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yongsheng Wang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Land engineering and its role for sustainable agriculture in the agro-pastoral ecotone: The case study of Yulin, Shaanxi Province, China*

2:30 Shuangshuang Tu*, Guangxi Teachers Education University; Hualou long, Institute of Geographic Sciences and Natural Resources Research, CAS; Yingnan Zhang, Institute of Geographic Sciences and Natural Resources Research, CAS; *The Process and Driving Mechanism of the Living Space evolution of Typical Villages in rural China*

Saturday-025-1:10 p.m. Historical Geography and the Geosciences: Starting a Conversation (Sponsored by History of Geography Specialty Group)

Theme: Physical Geography in Environmental Science

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Charles Travis, University of Texas - Arlington

CHAIR: Charles Travis, University of Texas - Arlington

Discussant(s): Craig Colten, Carl O. Sauer Professor, Louisiana State University; Ferenc Gyuris, PhD, ELTE

Panelist(s): Dorothy Sack, Professor, Ohio University; Charles Travis, Dr., University of Texas - Arlington; Poul Holm, Trinity College Dublin

Saturday-026-1:10 p.m. Space, Place and Music: New Research in the Study of Geography and Music (Sponsored by Black Geographies Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rashad Shabazz, Arizona State University

CHAIR: Rashad Shabazz, Arizona State University

SATURDAY April 6 • 1:10 PM - 2:50 PM

Panelist(s): Rashad Shabazz, Associate Professor, Arizona State University; Mike Cado, York University; Jessie Stein

Introduction(s): Rashad Shabazz, Associate Professor, Arizona State University

Saturday-027-1:10 p.m. Critical Geographies of Education II: Movements (Sponsored by Critical Geographies of Education Specialty Group, Political Geography Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dan Cohen; Nicole Nguyen, University of Illinois - Chicago; Alice Huff, UCLA

CHAIR: Dan Cohen

1:10 Introduction(s): Dan Cohen

1:15 Alison Bain*, York University; Julie A. Podmore, PhD, John Abbott College; *Challenging heteronormativity in suburban high schools through "surplus visibility": Gay-Straight Alliances in the Vancouver city-region*

1:35 Carlos Serrano*, *The Struggle Towards Abolition Education: (Re)Thinking Chapel Hill-Carrboro Education*

1:55 Dena Aufseeser*, University of Maryland Baltimore County; *Learning through Organizing: Youth-led movements as critical spaces of education in Baltimore, MD and Lima, Peru*

2:15 Alice Huff*, UCLA; *Breaking Away, Together: Conceptions of the Public and Democratic Practice in School District Secession Movements*

2:35 Discussant(s): Olivia Ildefonso, CUNY - Graduate Center

Saturday-028-1:10 p.m. Urban China III: Case Studies of Large Urban Areas

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Bingru Cao, Jiangnan University

1:10 Tingting Fu*, Peking University; *Study on the Impact of Urban Built Environment on Solo-Joint Activities: Taking Beijing as an Example*

1:30 Yu Zhao*, *Empirical study on the spatial-temporal evolution of industry-university-research institute innovation network in the latecomer region in Guangxi, China*

1:50 Bing Zhao*, *Spatial performance of Land Urbanization: A case study of Tongzhou District, Beijing*

2:10 Roger Chan*, The University Of Hong Kong; *Strategic Spatial Planning: Hong Kong and the Greater Bay Area*

2:30 Bingru Cao*, Jiangnan University; Yong Liu, Jiangnan University; *Dynamics in coupling relationship between industrial agglomeration and urban spatial pattern: A case study of Yangtze River Delta*

Saturday-031-1:10 p.m. Symposium on Frontiers in Geospatial Data Science: Uncertainty and Bias in Geospatial Data Science

Room: Roosevelt 1, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Dandong Yin, University of Illinois

CHAIR: Shaowen Wang, University of Illinois at Urbana-Champaign

Saturday-032-1:10 p.m. Frontiers of Rent and Rentiership in the Green Economy III: Panel Session (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group, Energy and Environment Specialty Group)

Room: Roosevelt 2, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Tyler Harlan, Cornell University; Sarah Knuth, Department of Geography, Durham University

CHAIR: Tyler Harlan, Cornell University

Introduction(s): Tyler Harlan, Cornell University

Panelist(s): Kean Birch, Prof, York University; Patrick Bigger, Lancaster University; Dustin Mulvaney; Callum Ward, KU Leuven

Discussant(s): Sarah Knuth, Department of Geography, Durham University; Nikki Luke, University of Georgia

Saturday-033-1:10 p.m. The Political Economy and Ecology of Sustainability Initiatives in the Global South: Part 3 (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Energy and Environment Specialty Group)

Room: Roosevelt 3, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Stefano Ponte, Copenhagen Business School; Christine Noe, University of Dar es Salaam

CHAIR: Christine Noe, University of Dar es Salaam

1:10 Victor Velazquez Duran*, Universidad Nacional Autonoma De Mexico; Rocio Rosales Ortega, Dr., Professor of the Department of Sociology, Metropolitan Autonomous University, Campus Iztapalapa; *The dynamics of legitimization in the implementation of the Chackay Collective Trademark in Quintana Roo, Mexico*

1:30 RUTH JOHN*, *Integration through conservation partnerships: experience from Tanzania's wildlife sector*

1:50 Asubisye Mwamfupe*, *Understanding Local Skeptism of Forest Conservation Partnerships in Tanzania*

2:10 Discussant(s): Mette Olwig, Dr., Roskilde University

2:30 Discussant(s): Christine Noe, University of Dar es Salaam

Saturday-033.5-1:10 p.m. Agroecological Transitions in a Transatlantic Context (3): Concepts, Typologies, Barriers, Drivers and Sustainability Performance (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Water Resources Specialty Group)

Room: Roosevelt 3.5, Marriott, Exhibition Level (Guided Poster)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Gerald Schwarz, Thuenen Institute; Francesco Vanni, CREA - Research Centre for Agricultural Policies and Bioeconomy; Katalin Balázs, Geonardo Ltd, Hungary, Europe
CHAIR: Gerald Schwarz, Thuenen Institute

1:10 Introduction(s): Gerald Schwarz, Thuenen Institute

1:20 Tyneshia Griffin*, Department of Geography, Virginia Tech; Kim Niewolny, Ph.D, Associate Professor, Department of Agricultural, Leadership, and Community Education, Virginia Tech; *The Concept of Farm Cooperatives in Agroecology: The Case of Cuba and Food System Sustainability in Transition*

SATURDAY, April 6 • 1:10 PM - 2:50 PM

1:30 Melissa Hinten*, University of Tennessee; *Remnant Hay Meadows in a Fragmented North American Tallgrass Prairie Landscape*

1:40 Katalin Balázs*, Geonardo Ltd; Rozália Pecze, Syngenta Ltd; László Podmaniczky, Geonardo Ltd; Péter Tóth, Geonardo Ltd; *Perspectives of soil conservation farming in promoting agro-ecological considerations in Hungary*

1:50 Gerald Schwarz, Thuenen Institute; Johannes Carolus, Thuenen Institute; Juern Sanders, Thuenen Institute; Jaroslav Prazan, Institute of Agricultural Economics and Information; Alexandra Smyrniotopoulou*, Agricultural University of Athens; *Barriers and drivers of agroecological transitions in intensive agricultural areas – a case study from Germany*

2:00 Rocio R Duchesne*, University of Wisconsin - Whitewater; *Vulnerability of groundwater to nitrate pollution in Walworth County, Wisconsin*

2:10 George Vlahos*, Agricultural University of Athens; Evdokia-Dimitra Tsakalou, Agricultural University of Athens; Paolo Prosperi, University of Pisa- Department of Agriculture, Food and Environment; James Kirwan, HNEE University for Sustainable Development, Eberswalde; Erik Mathijs, KU Leuven - Division of Bioeconomics; *Market oriented measures for the sustainable management of fisheries in Kavala, Northern Greece.*

2:20 Kate Irvine*, James Hutton Institute; *A Multi-Actor Framework for Agro-Ecological Farming Systems in the European Union*

2:30 Daniel Foley*, Northern Arizona University; *A geospatial meta-analysis of global crop water productivity of three leading world crops (wheat, corn, rice) over three decades*

2:40 Discussant(s): Francesco Vanni, CREA - Research Centre for Agricultural Policies and Bioeconomy

2:30 Wangshu Mu*, Arizona State University School of Geographical Sciences and Urban Planning; Daoqin Tong, Arizona State University School of Geographical Sciences and Urban Planning; *A new study for understanding the scale effect in the regression analysis of spatial data*

Saturday-035-1:10 p.m. Dynamics and Effectiveness of Nature Conservation in the Amazon

Room: Roosevelt 5, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Sébastien Costedoat, Universitat Autònoma de Barcelona; Rachel Golden Kroner, George Mason University - Fairfax, VA

CHAIR: Sébastien Costedoat, Universitat Autònoma de Barcelona

1:10 Nigel Asquith, Ph.D., Cuencas Sustentables; Edwin Pynegar, Ph.D., Bangor University and University of Sussex; Emma Wiik, Ph.D., Bangor University; Tara Grillos, Ph.D., Purdue University; Julia P.G. Jones, Ph.D., Bangor University; Tito Vidaurre, Fundación Natura Bolivia; Zhao Ma, Ph.D., Purdue University; Brooke McWherter*, Purdue University; *Confessions of an RCT: how evaluation theory met complex realities in one of the first large-scale Randomized Control Trials of a conservation intervention*

1:30 Diego Herrera*, Environmental Defense Fund; Alexander Pfaff, Duke University; Juan Robalino, Universidad de Costa Rica; *Brazilian Amazon Protected Areas' Spillovers and Two Critical Underlying Mechanisms*

1:50 Philippe Rufin, Humboldt-Universität zu Berlin, Geography Department, Unter den Linden 6, 10099 Berlin; Florian Gollnow*, University of Maryland - College Park; Leticia de Barros Vianna Hissa, Humboldt-Universität zu Berlin, Geography Department, Unter den Linden 6, 10099 Berlin; Tobia Lakes, Humboldt-Universität zu Berlin, Geography Department, Unter den Linden 6, 10099 Berlin; *Analyzing deforestation leakage following the implementation of the Soy Moratorium in Mato Grosso, Brazil*

2:10 Rachel E. Golden Kroner*, George Mason University - Fairfax, VA, Conservation International; Siyu Qin, Humboldt University of Berlin; Yifan He, Conservation International; Alex Pfaff, Duke University; David Luther, George Mason University; Chris Kennedy, George Mason University; Thomas E. Lovejoy, George Mason University; Michael B. Mascia, Conservation International; *Dynamic conservation: protected area downgrading, downsizing, and degazettement (PADDD) in Amazonia*

2:30 Sébastien Costedoat*, Conservation International; Laura Villalobos, Inter-American Development Bank; Michael Mascia, Conservation International; *The environmental and social outcomes of Bolsa Verde governmental cash transfers in Brazil*

Saturday-034-1:10 p.m. Spatial Optimization and Analysis III (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Roosevelt 4, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Daoqin Tong, Arizona State University

CHAIR: Wangshu Mu, University of Arizona - Geography & Development

1:10 Minrui Zheng*, University of North Carolina - Charlotte; Wenwu Tang, University of North Carolina at Charlotte; Xiang Zhao, Wuhan University; *Spatially explicit hyperparameter optimization*

1:30 Dianfeng Liu*, Wuhan University; Xuesong Kong, Wuhan University; Yaolin Liu, Wuhan University; *Spatial optimization of rural settlement relocation incorporating inter-village social connections under future policy scenarios*

1:50 Xueting Jin*, Arizona State University; Daoqin Tong, Arizona State University; Zhongju Zhang, Arizona State University; *Dockless bike sharing demand modeling: A case study in Beijing*

2:10 Christopher Scarpone*, Ryerson University; Andrew A Millward, PhD, Ryerson University; Stephanie Melles, PhD, Ryerson University; *Scale Optimization for Ecological Systems: Management Implications for "The Right Pixel" in Model Predictions*

Saturday-036-1:10 p.m. Policy Mobilities I: Where Next? (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Economic Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jamie Peck, University of British Columbia; Eugene McCann, Simon Fraser University

CHAIR: Shenjing He, The University of Hong Kong

SATURDAY April 6 • 1:10 PM - 2:50 PM

1:10 Gianpaolo Baiocchi*, *Urban Democracy Beyond Borders: Ambiguous Devices, Publics, and the Ethnographic Account*

1:30 Eugene McCann*, Simon Fraser University; *Narrowing and broadening the study of policy mobilities*

1:50 Nathan McClintock*, Portland State University; *Urban policy ecologies? Bringing policy mobilities research and urban political ecology into closer conversation*

2:10 Kevin Ward*, University of Manchester; *Making up policy through comparison*

2:30 Discussant(s): Wendy Larner, Professor, Victoria University

Saturday-037-1:10 p.m. Tracking Students from AP Human Geography to Geography Programs: (Sponsored by Geography Education Specialty Group)

Room: Washington 2, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

Panelist(s): Darren Purcell, Associate Professor, University of Oklahoma; Larianne Collins, Lecturer, University of North Carolina - Charlotte

Discussant(s): Lisa Benton-Short, Associate Professor, The George Washington University; Jonathan Wessell, Adjunct Faculty, Grand Valley State University

Saturday-038-1:10 p.m. Geographies of Urban Displacement 1: Gentrification, Exclusion and the Violence of Un-homing (Sponsored by Urban Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Philip Hubbard, King's College London; Adam Elliott-Cooper

CHAIR: Adam Elliott-Cooper

1:10 Karen Chapple*, UC-Berkeley; *Transcending census boundaries: Using user-generated geographic information to predict gentrification and displacement*

1:30 Brian Doucet*, University of Waterloo; *The paradox of quality of life improvements: light rail transit as a catalyst of displacement in Waterloo Region*

1:50 Stefano Bloch*, University of Arizona, School of Geography & Development; Dugan Meyer, University of Arizona, School of Geography; *Revanchist Injunctions: How Anti-Gang Policing Advances Displacement by Gentrification*

2:10 Ikuno Naka*, *Speculation and expropriation in an emerging Indian city, Cochin*

2:30 Antonio Lopez-Gay*, Center for Demographic Studies (Barcelona); Isabelle Anguelovski, Universitat Autònoma de Barcelona; James Connolly, Universitat Autònoma de Barcelona; Melissa Garcia-Lamarca, Universitat Autònoma de Barcelona; Joan Sales-Fava, Center for Demographic Studies (Barcelona); *Green, Tourism and Urban Developments: Their Impact on Neighborhood Change and Population Displacement in Barcelona*

Saturday-039-1:10 p.m. Socialist and Critical Geographers Speciality Group Blaut Lecture (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Eliot Tretter, University of Calgary

CHAIR: Eliot Tretter, University of Calgary

1:10 Introduction(s): Eliot Tretter, University of Calgary

1:15 Discussant(s): Margaret Walton-Roberts, Assoc Prof, Wilfrid Laurier University

1:20 Discussant(s): Richa Nagar, Professor of the College, University of Minnesota - Minneapolis

Saturday-040-1:10 p.m. The Spatial Politics of Reaction:

Austerity, Ressentiment, and the Urban

Room: Washington 5, Marriott, Exhibition Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Coleman Allums, University of Georgia; Scott Markley, University of Georgia

CHAIR: Coleman Allums, University of Georgia

1:10 Scott Markley*, Graduate Student, University of Georgia; *White identitarian localism and the liberal state: A look at alternative strategies of expulsion in two Atlanta suburbs*

1:30 Jason Luger*, University of California - Berkeley; *Driving after mass: #Digital authoritarians; suburban landscapes*

1:50 Guillaume Poirer*, Eastern Paris University; *Detroit: Laboratory of neoliberalism, consequences on segregation*

2:10 Drew Arnum*, SUNY - Geneseo; *The Fourth Reich? Global Dimensions of Neo-Nazism*

Saturday-041-1:10 p.m. Critical Resource Geography I:

Intersecting Lineages in Dialogue

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Matthew Himley, Illinois State University; Gabriela Valdivia, University of North Carolina - Chapel Hill; Elizabeth Havice, University of North Carolina-Chapel Hill

CHAIR: Matthew Himley, Illinois State University

Panelist(s): Ashley Fent, Postdoctoral Fellow, Vassar College; Kolson Schlosser, Dr., Temple University; Tom Perreault, Professor, Syracuse University; Anna Zalik, Associate Professor, York University; Kårg Kama, Dr, University of Birmingham; Lisa Campbell, Professor, Duke University

Saturday-047-1:10 p.m. Building New Concepts in Urban Studies: Challenges and Tactics in Comparative Urbanism I - Comparison through Circulations

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Jennifer Robinson, University College London

CHAIR: Jennifer Robinson, University College London

1:10 Sergio Montero*, Universidad De Los Andes; Gianpaolo Baiocchi, New York University; *Tracing Policy Immobilities through A Posteriori Comparisons: What 'Best Practices' Leave Behind*

1:30 Juan Miguel Kanai*, University of Sheffield; *Scrambling for infrastructure investments: A comparative perspective on regional planning's revival*

1:50 Lukasz Stanek*, The University of Manchester; *Comparison in the Cold War: Thinking the Third World Through the Second World*

2:10 Astrid Wood*, Newcastle University; *Tracing policy mobilities: methods of actually doing comparative urbanism*

2:30 Discussant(s): Garth Myers, Distinguished Professor, Trinity College

SATURDAY, April 6 • 1:10 PM - 2:50 PM**Saturday-048-1:10 p.m. Remote Sensing Time Series****Analysis with Moderate Spatial Resolution Imagery I (Sponsored by Remote Sensing Specialty Group)**

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Chunyuan Diao, University of Illinois at Urbana-Champaign; Xiaoyang Zhang; George Xian, USGS EROS Data Center

CHAIR: Xiaoyang Zhang

1:10 Anthony Campbell*, University of Rhode Island; Yeqiao Wang, Ph.D., University of Rhode Island; *Google Earth Engine Time Series for Salt Marsh Change Analysis of the mid-Atlantic Coast (1999-2018)*

1:30 Johanna Buchner*, University of Wisconsin-Madison; He Yin, University of Wisconsin-Madison; David Frantz, Humboldt University Berlin; Benjamin Bleyhl, Humboldt University Berlin; Tobias Kuemmerle, Humboldt University Berlin; Tamar Bakuradze, Geographic, GIS & RS Consulting Center; Anna Komarova, Greenpeace Russia; Afag Rizayeva, University of Wisconsin-Madison; Hovik Sayadyan, Yervan State University; Garik Tepanosyan, Armenian National Academy of Sciences; Volker C. Radeloff, University of Wisconsin-Madison; *Large-area land-cover and land-use change mapping in the Caucasus Mountains using topographically corrected multi-temporal Landsat composites*

1:50 Xiaoyang Zhang*, Jiamin Wang, South Dakota State University; *Understanding the Complexity of Land Surface Phenology Derived from Multiple Spatial Resolution Remotely Sensed Data*

2:10 Miranda Rose*, University of Tennessee; Nicholas N. Nagle, Dr., University of Tennessee at Knoxville; *Using Landsat Phenology Curves to Characterize Fire Impacted Forests in South Carolina, USA*

2:30 Patrick Danielson*, Stinger Ghaffarian Technologies (SGT); Limin Yang, Consultant, Stinger Ghaffarian Technologies (SGT); Suming Jin, ASRC Federal InuTeq; Collin Homer, U.S. Geological Survey (USGS); *Overview of the New National Land Cover Database (NLCD) 2016 Land Cover and Land Cover Change Products*

Saturday-049-1:10 p.m. Spatiotemporal Characterizations of the Physical Landscape

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Nicklas Guldåker, Department of Human Geography

1:10 Fang Zhang*, Florida State University; Xiaojun Yang, Florida State University; *Feature selection and landscape classification with random forest*

1:30 Gabriel Zeballos Castellon*, The Ohio State University - Columbus, OH; Bryan Mark, Byrd Polar and Climate Research Center, Department of Geography, The Ohio State University; Rosa Meneses, Herbario Nacional de Bolivia; Alvaro Soruco, Instituto de Geología y Medio Ambiente, Universidad Mayor de San Andrés; Alvaro Montenegro, Department of Geography, The Ohio State University; Karina Yager, School of Marine and Atmospheric Sciences, Stonybrook University; *Spatiotemporal characterization of High-Andean organic cushion wetlands in the Bolivian Andes*

1:50 Andrei Kushkin*, Texas State University; *Understanding the impact of vegetation on surface roughness length for enhancing wind resource characterization in Iowa*

2:10 Gautam Thakur*, Oak Ridge National Laboratory; Kevin Sparks, Oak Ridge National Laboratory; Kelly Sims, Oak Ridge National Laboratory; Rachel Palumbo, Oak Ridge National Laboratory; Laura Thompson, Oak Ridge National Laboratory; Jesse McGaha, Oak Ridge National Laboratory; Seema Chouhan, Oak Ridge National Laboratory; Alex Sorokin, Oak Ridge National Laboratory; Phil Nugent, Oak Ridge National Laboratory; *Developing Location-Based Services (LBS) for Challenged Environments*

2:30 Nicklas Guldåker*, Department of Human Geography; *Spatial Visualization and Fire Prevention in Sweden*

Saturday-050-1:10 p.m. W4_1 Methods to Quantify Land Change

Room: Jefferson, Marriott, Mezzanine Level (Workshop)

Time: 1:10 p.m. - 4:50 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR:

Saturday-052-1:10 p.m. Dendrochronology III: Frontiers in Dendrochronology (Invited) (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Theme: Physical Geography in Environmental Science

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Stockton Maxwell, Radford University; Bethany Coulthard, University of Arizona Laboratory of Tree-Ring Research

CHAIR: Bethany Coulthard, University of Arizona Laboratory of Tree-Ring Research

1:10 Caroline Leland*, Columbia University; Edward R. Cook, Lamont-Doherty Earth Observatory; Laia Andreu-Hayles, Lamont-Doherty Earth Observatory; Amy Hessler, West Virginia University; Neil Pederson, Harvard Forest; Kevin Anchukaitis, University of Arizona; Baatarbileg Nachin, National University of Mongolia; Oyunsanaa Byambasuren, National University of Mongolia; *The Adaptive Morphology of Ancient Siberian Pine and Impacts on Tree-ring Proxies*

1:30 Jodi Axelsson*, Assistant Cooperative Extension Specialist, University of California, Berkeley; *Disturbed Dendrochronology – Characterizing Changes in Tree Growth Due to Insect Outbreaks*

1:50 Soumaya Belmecheri*, University of Arizona - Laboratory of Tree Ring Research; *Global Trends of Forest's Response to Rising CO₂*

2:10 Erika Wise*, University of North Carolina at Chapel Hill; Stephanie McAfee, University of Nevada, Reno; Adam Csank, University of Nevada, Reno; *Deriving additional precipitation information through the use of multiple tree-ring metrics*

2:30 Amy Hessler*, West Virginia University; Kathryn Allen, University of Melbourne; Scott Nichols, University of Melbourne; Patrick Baker, University of Melbourne; Tessa Vance, University of Tasmania; *2000 Years of Southern Hemisphere Climate Variability: King Billy Pine and the Southern Annular Mode*

SATURDAY April 6 • 1:10 PM - 2:50 PM**Saturday-053-1:10 p.m. Women and Girls: The Intersection of Health and Geography**

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
 Room: Marshall West, Marriott, Mezzanine Level (Panel)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Yonette Thomas, American Association of Geographers
 CHAIR: Margo Thomas, Women's Economic Imperative (WEI)
Panelist(s): Nanesta Pilgrim, Population Council; Lisa Jones, Cerner Corporation; George Tadonki, Senior Advisor Sustainability and Resilience; Alicia Hammond, World Bank Group; Peter Hopkins, Newcastle University

Saturday-054-1:10 p.m. John Jensen Distinguished Lecture Series (Sponsored by Remote Sensing Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Changshan Wu, University of Wisconsin, Milwaukee
 CHAIR: Christopher Lippitt, University of New Mexico

Saturday-055-1:10 p.m. Wrap up of the AAG Geospatial Health Theme: Emerging Trends in Geospatial Health Research

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
 Room: Marshall South, Marriott, Mezzanine Level (Panel)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): The American Association of Geographers
 CHAIR: Coline Dony
Panelist(s): Coline Dony; Sara McLafferty, Professor, University of Illinois; Eric Delmelle, University of North Carolina at Charlotte; Mark Rosenberg, Professor, Queen's University; Kirsten Beyer, Associate Professor, Medical College of Wisconsin

Saturday-056-1:10 p.m. Satellite Remote Sensing of Agriculture

Room: Tyler, Marriott, Mezzanine Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Sunita Yadav, USDA; Lisa Colson, USDA/FAS (InuTeq); Robert Tetrault, US Department of Agriculture
 CHAIR: Robert Tetrault, US Department of Agriculture
1:10 Robert Tetrault*, US Department of Agriculture; *Assessing Global Crop Conditions and World Agricultural Production: USDA's International Production Assessment Division.*
1:30 Lisa Colson*, Imagery and GIS Specialist, USDA/Foreign Agricultural Service; *Measuring Agricultural Impacts of Disasters with Satellites: A Case Study Analysis*
1:50 Zhengwei Yang*, USDA - National Agricultural Statistics Service; Robert Seffrin, USDA - National Agricultural Statistics Service; *Remotely Sensed Land Cover and Administrative GIS Data for County Acreage Estimation*
2:10 Arthur Rosales*, *Exploring Spatial and Temporal Trends in Corn Yield in the United States*
2:30 Sunita Yadav*, Dr., USDA; Katie McGaughey, USDA; Bryan Purcell, USDA; William Baker, USDA; *Comparison of data splitting versus regional-proxy data for validation of crop type classification in Northern Africa*

Saturday-057-1:10 p.m. Mid-latitude Snow Processes, Variability, and Change (Sponsored by Cryosphere Specialty Group, Climate Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Zachary Suriano, University of Nebraska - Omaha
 CHAIR: Zachary Suriano, University of Nebraska - Omaha
1:10 Andrew Ellis*, Virginia Tech; Michael Marston, Virginia Tech; Joseph Bahret, Virginia Tech; *A simple synoptic approach to assessing cold season lake effects downwind of the North American Great Lakes*
1:30 Arthur Samel*, Bowling Green State University; Adam Burnett, Colgate University; *Circulation and thermodynamic patterns associated with intense lake effect snowfall over the Tug Hill Plateau of New York State: a case study*
1:50 David A Robinson*, Rutgers University; *Northern Hemisphere Mid-Latitude Snow Extent Variability During the Satellite Era*
2:10 Caleb Pan*, University of Montana; John Kimball, University of Montana; Munkhdavaa Munkhjargal, Heidelberg University; Nathaniel Robinson, University of Montana; Erik Tijedeman, Heidelberg University; Lucas Menzel, Heidelberg University; Peter Kirchner, Southwest Alaska Network Inventory and Monitoring Program, National Park Service; *The role of snowmelt events in large annual livestock mortality across Mongolia*
2:30 Zachary Suriano*, Department of Geography & Geology, University of Nebraska - Omaha; Daniel J Leathers, Department of Geography, University of Delaware; Dorothy K Hall, Earth System Science Interdisciplinary Center/University of Maryland; Allan Frei, Department of Geography, Hunter College, City University of New York; *Contribution of Snowfall from Diverse Synoptic Conditions in the Catskill/Delaware Watershed of New York State*

Saturday-058-1:10 p.m. Historical Perspectives of Human Impacts on the Environment

Theme: Physical Geography in Environmental Science
 Room: Taylor, Marriott, Mezzanine Level (Paper)
 Time: 1:10 p.m. - 2:50 p.m.
 ORGANIZER(S): Theme Committee
 CHAIR: Jacob Bendix, Syracuse University
1:10 Barbara MacLennan*, West Virginia University; *A History of U.S. Trash in Three Acts: From the Golden Age to the Anthropocene*
1:30 Sewon Ohr*, Department of Geography, College of Social Science, Seoul National University; Carlos Ramos-Scharrón, Department of Geography & the Environment and LLILAS-Benson, The University of Texas at Austin; *Land use impact on Sedimentation rates during the Colonization period in Coral Bay, St. John, U.S. Virgin Islands*
1:50 M. Joy Cytryn*, CUNY - Graduate Center; *Visualizing and Validating Jamaica Bay's Environmental History*
2:10 Jacob Bendix*, Syracuse University; Michael A. Urban, University of Missouri; *Nothing New Under the Sun? George Perkins Marsh and Roots of American Physical Geography*
2:30 Miranda Mockrin*, USDA Forest Service, Northern Research Station, Baltimore Field Station; David Newburn, University of Maryland, College Park;

SATURDAY, April 6 • 1:10 PM - 2:50 PM

Forest fragmentation with subdivision development under Maryland's Forest Conservation Act

Saturday-060-1:10 p.m. Landscape Specialty Group Student

Competition (Sponsored by Landscape Specialty Group)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Katherine Markham, Boise State University

CHAIR: Katherine Markham, Boise State University

1:10 Amber Jacobson*, Binghamton University; *Lateral Disconnections by Transportation Infrastructure in the Floodplain*

1:30 Yang Liu*, University of Alabama; Hongxing Liu, University of Alabama; Xiaofang Wei, Central State University; Krishnakumar V. Nedunuri, Central State University; Ramani Kandiah, Central State University; Subramania I. Sritharan, Central State University; *Remote Sensing of Forest Structural Changes due to the Recent Boom of Shale Gas Extraction in Appalachian Ohio*

1:50 Han Zhang*, University At Buffalo; Chris S. Renschler, University at Buffalo; *Impact Assessment of Land Cover and Climate Change on Runoff and Sediment Yields using GeoWEPP: Comparing watersheds in the US and China*

2:10 Ryan Z Good*, University of Florida; Jane Southworth, University of Florida; *Urban-rural interactions and environmental change on the landscape surrounding Mwanza, Tanzania*

Saturday-061-1:10 p.m. Critical Geographies of Migration

(Sponsored by Political Geography Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Reece Jones, University of Hawaii at Manoa

CHAIR: Reece Jones, University of Hawaii at Manoa

Panelist(s): Jenna Loyd, Assistant Professor, University of Wisconsin-Madison; Yolanda Weima, York University; Elaine Ho, Dr, National University of Singapore; Deirdre Conlon, Lecturer/Asst Professor, University of Leeds; Jeremy Slack, Assistant Professor, UTEP; Philip Kelly, Dr, York University

Saturday-062-1:10 p.m. Remote Sensing and Object

Classification

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Xiang Zhao, Wuhan University

1:10 Liu He*, University of North Carolina - Chapel Hill; Conghe Song, University of North Carolina - Chapel Hill; *Spatial resolution factor in deep convolution network for land cover classification*

1:30 LASYA VENIGALLA*, University of Texas, Dallas; Fang Qiu, Dr., Professor and Department Head; *Object Based Classification using Kolmogorov Smirnov Distribution*

1:50 Yuhao Wang*, 0002; *Multiple Classifiers in Google Earth Engine for Land Use/Cover Classification*

2:10 Fan Shi*, University of Texas At Dallas; Fang Qiu, University of Texas at Dallas; *Movement Detection and Tracking of Remotely Sensed Video Data Using Feature Point Matching*

Saturday-063-1:10 p.m. Multi-Scalar Approaches to Climate Change Mitigation: Discourses and Practices (Sponsored by Environmental Perception and Behavioral Geography Specialty Group, Cultural and Political Ecology Specialty Group, Climate Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Hélène DUCROS

CHAIR: Christina Greene, University of Arizona

1:10 Elena Lioubimtseva*, Professor, Grand Valley State University; *Climate change mitigation, adaptation, and resilience planning in Michigan: experience of the past 10 years.*

1:30 Brian Petersen*, Northern Arizona Univ.; *Sustainable city? the search for social justice in Flagstaff, Arizona's climate action plan*

1:50 Mark Hebert*; *Should I Go or Should I Stay: Migration Decision and Action in the South Florida Climate Change Environment*

2:10 Jim Porto*, CommunityCAPS; Hélène DUCROS*; *Redesigning small cities in the face of climate change*

2:30 Marion Davies*, Dalhousie University; Peter Tyedmers, Professor, Dalhousie University; Kate Sherren, Associate Professor, Dalhousie University; *Are we out to lunch? Examining dietary strategies intended to mitigate climate change that are communicated on Twitter and Instagram.*

Saturday-064-1:10 p.m. Anarchist Geographies and the Epistemologies of the State 1 (Sponsored by Political Geography Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Geronimo Barrera

CHAIR: Geronimo Barrera

1:10 Introduction(s): Geronimo Barrera

1:15 Joshua Falcon*, Florida International University; *Psychedelics, Cognitive Liberty, and the Decolonization of Consciousness*

1:35 Jacklyn Weier*, Pennsylvania State University; *The Land of Michfest: Settler Rural Imaginaries and Womyn's Separatism in the Settler State*

1:55 Francisco Toro*, Universidad de Granada - España; *The green criticism of State by anarchist thought*

2:15 Geronimo Barrera*; Anthony Ince, Cardiff University; *Society Despite the State: An Experiment in 'Counterfactual Statism'*

2:35 Discussant(s): Joshua Mullenite, Wagner College

Saturday-065-1:10 p.m. Sexuality and Space Specialty Group Keynote Address: Lorena Muñoz "Queering Economies and Messy Urban Futures" (Sponsored by Sexuality and Space Specialty Group, Latinx Geographies Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Rae Rosenberg; Sophonie Bazile, UNIVERSITY OF KENTUCKY

CHAIR: Rae Rosenberg

SATURDAY April 6 • 1:10 PM - 2:50 PM

Introduction(s): Lorena Muñoz, Assistant Professor, University of Minnesota

Discussant(s): Madelaine Cahuas, University of Toronto; Natalie Oswin, McGill University; Laura Barraclough, Associate Professor of American Studies, Yale University; Sharad Chari, University of California, Berkeley

Saturday-066-1:10 p.m. GIScience in the Post-Truth Era I

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Bo Zhao, Oregon State University; Ling Bian, SUNY- Buffalo

CHAIR: Bo Zhao, Oregon State University

1:10 Yihong Yuan*, Yongmei Lu, Texas State University; Yu Liu, Peking University; Edwin T. Chow, Texas State University; *The Missing Parts from Social Media Enabled Smart Cities: Who, Where, When, and What*

1:30 Chao Yang*, China University of Geosciences(Wuhan); Wenwen Tian, China University of Geosciences(Wuhan); *When, Where, and Why are social media users makingup?*

1:50 Rui Zhu*, University of California - Santa Barbara; *Understanding Semantic Uncertainty in Volunteered Geographic Information*

2:10 Amir Masoud Forati*, University of Wisconsin - Milwaukee; *The volunteered Geographic information quality assessment method based on accreditation of users*

2:30 Doo-Ri Oh*, University of Georgia; *Aggregating place-based information from vernacular place names*

ORGANIZER(S): Jane Read, Syracuse University; Justine Blanford, The Pennsylvania State University

CHAIR: Jane Read, Syracuse University

Introduction(s): Justine Blanford, The Pennsylvania State University; Jane Read, Associate Professor, Syracuse University

Panelist(s): Elizabeth Wentz, Arizona State University; Toni Alexander, Chair and Associate Professor, Southeast Missouri State University; Dawn Wright, Chief Scientist, Esri; Deborah Thomas, University of North Carolina - Charlotte; Darla Munroe, Ohio State University; Patricia McDowell, University of Oregon

Discussant(s): Jing Li, Dr., University of Denver; Hamil Pearsall, Associate Professor, Temple University; Carolynne Hultquist, Pennsylvania State University

Saturday-069-1:10 p.m. Preparing Geographers for Business and Private Sector Careers (Sponsored by Careers and Professional Development, Public/Private Affinity Group)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers

CHAIR: Michael Solem, National Center for Research in Geography Education

Panelist(s): Peter Lenz, Dstillery; Donald Poland, Assistant Professor, Goman York Property Advisors; Katrina Schweikert, Blue Marble Geographics; Kendra Taylor, Senior Research Analyst, Sanamatrix; Kathryn Kulbicki, Westat

Saturday-067-1:10 p.m. Vegetal Geography 3: Advancing the Position and Politics of Plants in More-than-human Analyses (Sponsored by Animal Geography Specialty Group, Biogeography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Megan Betz, Indiana University; Jared Margulies, University of Sheffield

CHAIR: Jared Margulies, University of Sheffield

1:10 Guilherme Oliveira*, University of Brasília; *Assembling urban gardens: the active role of plants*

1:30 Matthew Beach*, Queen Mary University of London; *Planting an Urban Physic Garden: Intimacy, Haptic Creativity, and the Case of Phytology*

1:50 Zachary Goldberg*, Penn State University; *The unintended consequences smallholder adoption of fruit tree production in the High Atlas (Morocco)*

2:10 Megan Betz*, Indiana University; *Navigating the fruit tree-human relations of the community orchard*

2:30 Discussant(s): Julie Guthman, Professor, Univ of California Santa Cruz

Saturday-070-1:10 p.m. Placing "Failure" in Research: Challenges and Transformation in Geographic Fieldwork (Sponsored by Ethnic Geography Specialty Group, Qualitative Research Specialty Group, Cultural Geography Specialty Group, Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Emily Frazier, University of Tennessee; Ethan Bottone

CHAIR: Emily Frazier, University of Tennessee

Panelist(s): Maria Fadiman, Assistant Professor, Florida Atlantic University; Dawn Hoogeteen, Postdoctoral Researcher, University of Northern British Columbia; John Benson, Minnesota State University Moorhead; Kiana London; Serin Houston, Dr., Mount Holyoke College; Jon-Paul Mccool, Assistant Professor of Geography, Valparaiso University; Christopher Lizotte, University of Helsinki

Discussant(s): Kelley Crews, Associate Professor, University of Texas - Austin

Saturday-068-1:10 p.m. Women in Geography, Building Leaders for Tomorrow (Sponsored by Geography Faculty Development Alliance (GFDA), Careers and Professional Development, Geographic Perspectives on Women Specialty Group, Harassment-Free AAG Initiative, Esri)

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 1:10 p.m. - 2:50 p.m.

Saturday-072-1:10 p.m. Coastal and Aeolian Geomorphology III: Coastal Geomorphology (Sponsored by Coastal and Marine Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Mayra Roman Rivera, University of South Carolina; Peter Tereszkiewicz, University of South Carolina

CHAIR: Mayra Roman Rivera, University of South Carolina

1:10 Michelle E Harris*, University of South Carolina; Jean T Ellis, University of South Carolina; Jacquelyn B Ferguson, University of South Carolina; Peter A

SATURDAY, April 6 • 1:10 PM - 2:50 PM

Tereszkiewicz, University of South Carolina; *Coastal Management on the Fence: Evaluating the Geomorphic Impact of Sand Fences*

- 1:30** Julie Cisneros*, Florida Atlantic University; Tiffany Roberts Briggs, Ph.D., Florida Atlantic University; *Geomorphologic response following four hurricanes on Southeast Florida beaches between 2016-2018.*
- 1:50** George Marino*, University of South Carolina; Jean T. Ellis, University of South Carolina; *Post-storm comparisons of shoreline change models in North and South Carolina*
- 2:10** Peter Tereszkiewicz*, University of South Carolina; Jean T. Ellis, University of South Carolina; *Implications of sediment-vegetation interactions on post-storm recovery*
- 2:30** Norbert Psuty*, Rutgers University; Katherine Ames, Sandy Hook Cooperative Research Programs, Rutgers University; Andrea Habeck, Sandy Hook Cooperative Research Programs, Rutgers University; Glenn Liu, Sandy Hook Cooperative Research Programs, Rutgers University; *Sediment budget and feature evolution in a Post-Sandy environment, Delaware Bayside beaches, New Jersey*

Saturday-073-1:10 p.m. New Perspectives on the Complexity of Natural Resources, Local Livelihoods, and Public Health Nexus in Sub-Saharan Africa (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group, Water Resources Specialty Group)

- Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Cyril Wilson, University of Wisconsin-Eau Claire; Sigismund Wilson, Rogers State University; Imelda Moise, PhD., MPH, University of Miami
CHAIR: Sigismund Wilson, Rogers State University
- 1:10** Cyril Wilson*, Associate Professor, University of Wisconsin-Eau Claire; *The interface between Land use, microclimate, water quality and human health in the Rokel-Seli River basin, Sierra Leone*
- 1:30** Francis Koti*, University of North Alabama; *Understanding Peri-Urban Water Resources in Kenya Using Participatory GIS*
- 1:50** Michael Drake*, CU Boulder; Joel Hartter, University of Colorado Boulder; Andrea Gaughan, University of Louisville; Forrest Stevens, University of Louisville; Narcisa Pricope, University of North Carolina Wilmington; *How geographic resource distribution impacts human livelihoods in Southern Africa*
- 2:10** Imelda Moise, PhD., MPH*, University of Miami; Joseph Kangmennaang, University of Waterloo; Hikabasa Halwiindi, PhD, University of Zambia; Diana S Grigsby-Toussaint, PhD., MPH, University of Illinois at Urbana Champaign; Douglas O Fuller, PhD, University of Miami; *Overweight and obesity in Zambian women and potential risk factors for changes in nutrition outcomes: a retrospective cross-sectional study*
- 2:30** Sigismund Wilson*, Rogers State University; *The linkages between iron ore mining, the environment and human health in Sierra Leone*

Saturday-074-1:10 p.m. Securitization of Non-human Lives and Spaces (Sponsored by Animal Geography Specialty Group, Cultural and Political Ecology Specialty Group)

- Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Hannah Dickinson, University of Sheffield; Laszlo Cseke, Politecnico do Torino, DIST
CHAIR: Laszlo Cseke, Politecnico do Torino, DIST
- 1:10** Jeff Baldwin*, Sonoma State University; *Increasing trans-species security by deconstructing the securitization of beaver on the West Coast*
- 1:30** Hannah Dickinson*, University of Sheffield; *Securing Sturgeon: Politics of Life and Death in the pursuit of 'Black Gold'*
- 1:50** Laszlo Cseke*, Polytechnic University of Turin/University of Turin; *The immunization of the 'mozzarella landscape' in Campania, Italy*
- 2:10** Bradford Dubik*, Duke University Marine Laboratory; *Down on the Pond: Biosecurity in the Context of Shrimp Aquaculture*
- 2:30 Discussant(s):** Elizabeth Johnson, University of Durham

Saturday-080-1:10 p.m. Ethnic and Environmental Conflicts and Governance in the Global South (Sponsored by Cultural and Political Ecology Specialty Group, China Specialty Group)

- Room: Palladian, Omni, West (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Li Zhang, China Agricultural University; Gustavo Oliveira, University of California - Irvine
CHAIR: Gustavo Oliveira, University of California - Irvine
- 1:10 Introduction(s):** Gustavo Oliveira, Assistant Professor, University of California - Irvine
- 1:15** Kavitha Ramsamy*, Rutgers University; *The "Place" of Gandhi and Indians in South Africa*
- 1:30** Pallavi Raonka*, Ph.D Candidate, Virginia Tech; *The politics of Forest and Indigeneity in Jharkhand*
- 1:45** Tracy Hruska*, UC Berkeley, Dept. of Environmental Science, Policy, and Mgmt; *Pastoral Development as Pastoral Elimination: Rangeland Settler Colonialism*
- 2:00** Li Zhang*, China Agricultural University / Cornell University; *The Price of Peace and Modernization: Ethnic Minorities, Nationalism, and Food Sovereignty in China*
- 2:15** Shang-ming Huang*, Graduate School of Disaster Management, Central Police University, Taiwan; Pei-Shan Sonia Lin, Graduate School of Disaster Management, Central Police University, Taiwan; *An Actor-Network Theory Analysis of the Impacts of Flood Governance Policies on the Xizhou Tribe in Taiwan*
- 2:30 Discussant(s):** Gustavo Oliveira, Assistant Professor, University of California - Irvine

Saturday-081-1:10 p.m. Cities and Networks II: Beyond the US & Europe

- Room: Diplomat Room, Omni, West (Paper)
Time: 1:10 p.m. - 2:50 p.m.
ORGANIZER(S): Zachary Neal, Michigan State University; Celine Rozenblat, Université De Lausanne
CHAIR: Zachary Neal, Michigan State University

SATURDAY April 6 • 1:10 PM - 2:50 PM

1:10 Celine Rozenblat*, Universite De Lausanne; *Globalization and specialization of Chinese cities 2010-2016: towards more or less urban resilience?*

1:30 Ruben Garnica-Monroy*, Tecnologico de Monterrey; Veronica Garibay-Bravo, School of Philosophy and Literature. Universidad Nacional Autónoma de México; Alonso Gonzalez Gonzalez, Tecnologico de Monterrey; Susana Elisa Medina, Natural Resources Center of the State of Queretaro; Wendy E. Martinez Resendiz, Natural Resources Center of the State of Queretaro; *Spatial analysis of five mid-size cities in Central Mexico using Space Syntax*

1:50 Ziyun He*, Beijing Normal University; Fenghua Pan, Beijing Normal University; *Collaboration networks of Global financial centers: A Study Based on Initial Public Offerings of Chinese Firms in Hong Kong Stock Exchange, 1999-2017*

2:10 Renato Balbim*, UCI; *Cities' Networks. Diplomacy and Policy in an Urban World*

2:30 Yuqing Long*, Peking University; Yanguang Chen, Peking University; *Multifractal characterization of the distribution pattern of urban road networks: an application to 12 big cities in China*

Saturday-082-1:10 p.m. Socioeconomic Mobility and Urban Green Spaces

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: MINSEO KIM

1:10 Yasna Contreras*, Geographer, Department of Geography, Faculty of Architecture and Planning, University of Chi; *Following the Money. Accumulation and Production Strategies of the Migrant Space in a Commodity Region*

1:30 Michael Dunford*, University of Sussex; *The right not to be poor: poverty alleviation and the Chinese social model*

1:50 Cindy Maharaj*, Department of Geography, York University; *Spaces of socioeconomic mobility? Educational trajectories and employment outcomes among the children of Caribbean caregivers in Toronto*

2:10 Christoph Rupprecht, FEAST Project, Research Institute for Humanity and Nature, Kyoto; MINSEO KIM*; *Unfamiliarity inference from Familiarity: Perception of Informal Green Space from the understanding of urban green space*

Saturday-083-1:10 p.m. Housing and Homelessness

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Robert Hibberd, University of Arizona - Geography & Development

1:10 Yerin Jin*; *Sharing Knowledge for Shared Housing: Knowledge Mobility in Social Housing Governance in Seoul*

1:30 Sophie Stadler*, University of Alberta; Damian Collins*, University of Alberta; *Does Housing First in Alberta provide a Right to Housing?*

1:50 Patrick Geiger*; *Permanently Temporary: Homeless Encampment Removal in Washington, DC*

2:10 Chae Yeon Park*, Seoul National University; *Constraint-conscious behavior in public housing tenants: a grounded theory analysis of online Q&A texts*

2:30 Robert Hibberd*, University of Arizona - Geography & Development; Arthur C. Nelson, PhD, FaCSS, FAICP, University of Arizona College of Architecture, Planning and Landscape Architecture, School of Geography & Development; *Maximizing Affordable Housing Near Transit Stations: A Hedonic Regression Approach*

Saturday-084-1:10 p.m. Refugees and Resettlement during and after Communism (Sponsored by Eurasian Specialty Group, Political Geography Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Edward Holland, University of Arkansas

CHAIR: Edward Holland, University of Arkansas

1:10 Edward Holland*, University of Arkansas; Elvira Churyumova, University of Arkansas; *A diaspora in formation: Kalmyk DP's in interwar Europe*

1:30 Beth Mitchneck*, University of Arizona; Jane Zavisca, University of Arizona; Theodore Gerber, University of Wisconsin Madison; *Housing and Societal Exclusion of Internally Placed Persons in Ukraine*

1:50 Elizabeth Dunn*, Indiana University; *Displacement and Illicit Livelihoods in the Republic of Georgia*

2:10 Carl Dahlman*, Miami University; *Integration without Integrity: Producing vulnerability among forcible returns to Kosovo*

2:30 Discussant(s): Georgina Ramsay

Saturday-086-1:10 p.m. Sustainable Urbanization: Challenges and Opportunities (III) (Sponsored by China Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Yuyu Zhou, Iowa State University; Bailang Yu, East China Normal University; Wenze Yue, Zhejiang University

CHAIR: Bailang Yu, East China Normal University

1:10 Chengshu Yang*, East China Normal University - Shanghai; Bailang Yu, East China Normal University; Zuoqi Chen, East China Normal University; Wei Song, University of Louisville; Yuyu Zhou, Iowa State University; Jianping Wu, East China Normal University; *A new curve to analyze the urban development status with NPP-VIIRS nighttime light data*

1:30 Xingyun Li*, Chongqing University; Yong Liu, Chongqing University; *Measuring urban vitality of communities in Chinese cities: A case study of Chongqing and Chengdu*

1:50 Min Zhao*, Nanjing University; Yuyu Zhou, Iowa State University; Yuecao Li, Iowa State University; Chenghu Zhou, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Weiming Cheng, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Manchun Li, Nanjing University; *A new*

SATURDAY, April 6 • 1:10 PM - 2:50 PM

approach for integrating DMSP-OLS and NPP-VIIRS imagery to generate longer time series of continuous and consistent nighttime light data — A case study of Southeast Asian Region

2:10 Jie Guo*, College of Land Management, Nanjing Agricultural University; Guanqiao Ding, College of Land Management, Nanjing Agricultural University; Minghao Ou, College of Land Management, Nanjing Agricultural University; *Impacts of urban land use pattern on CO₂ emissions in Yangtze River Economic Belt*

2:30 Zitong Shi*, Institute of Atmospheric Physics, Chinese Academy of Sciences; Yuyu Zhou, Iowa State University; Gensuo Jia, Institute of Atmospheric Physics, Chinese Academy of Sciences; *Satellite-based urban expansion and its influence on surface air temperature records in Jing-Jin-Ji (JJJ), China*

Saturday-087-1:10 p.m. Environmental Change in World Biomes

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Qin Yu, George Washington University

1:10 Xinyuan Wei*, University of Maine; Daniel J. Hayes, University of Maine; *Biome-scale response of land-atmosphere carbon exchange to long-lasting droughts*

1:30 Tuo Feng*, University of Washington; Daniel Vogt, University of Washington; Monika Moskal, University of Washington; Stephan Gmur, Polaris Applied Sciences; Kristiina Vogt, University of Washington; Korena Mafune, University of Washington; *Impact of climate change and topography on spatial and temporal NPP dynamics using time-series Landsat data and the Biome-BGC model*

1:50 Mir Mustafizur Rahman*, University of Calgary; Maria Strack, University of Waterloo; Greg McDermid, University of Calgary; *A remote sensing based technique to illustrate changes in the land cover due to construction of roads in boreal peatland*

2:10 Qin Yu*, George Washington University; Howard Epstein, University of Virginia; Domingo Alcaraz Segura, Facultad de Ciencias, Universidad de Granada; Amanda Armstrong, University of Virginia; Martha Reynolds, University of Alaska, Fairbanks; *Linking Herbivory to Tundra Plant Community Dynamics through the lens of Ecosystem Functional Diversity*

Saturday-088-1:10 p.m. EGSG Past Winners, Futures of Economic Geography (Sponsored by Economic Geography Specialty Group)

Room: Cabinet Room, Omni, West (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Abigail Cooke, University At Buffalo

CHAIR: Abigail Cooke, University At Buffalo

Introduction(s): Elizabeth Shapiro-Garza, Associate Professor, Duke University

Panelist(s): Sophie Webber, Dr, University of Sydney; Dimitar Angelov, UCLA

Discussant(s): Luis Alvarez Leon, Dartmouth College

Saturday-089-1:10 p.m. Geographical Computation where Human Geography Matters III (Sponsored by Digital Geographies Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Nick Lally, University of Kentucky; Luke Bergmann, University of British Columbia

CHAIR: Nick Lally, University of Kentucky

1:10 Joseph Palis*, University of the Philippines-Diliman; *Archipelagic Counternarratives and Dream Geographies*

1:30 Lirong Kou*, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, Urbana, USA; Mei-Po Kwan, Department of Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, Urbana, USA; *Listening to Urban Sounds: Human Mobility and Perceptions of Sonic Environments*

1:50 Tai Koester*, *Who is the Public in Public Land? The Cartographic Erasure of Bears Ears as Indigenous Space and its Consequences for Contemporary Public Lands Issues*

2:10 Harrison Cole*, Pennsylvania State University; *The Cost of Cartography: Mapping the Carbon Footprint of Mapping*

2:30 Discussant(s): Philip Nicholson, Dr, University of Glasgow

Saturday-090-1:10 p.m. Tourism Analytics: Social Media, Spatially Distributed Data and Data Mining in Tourism Research 1 (Sponsored by Recreation, Tourism, and Sport Specialty Group, Media and Communication Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Andrei Kirilenko, University of Florida

CHAIR: Andrei Kirilenko, University of Florida

1:10 Andrei P. Kirilenko*, University of Florida; Svetlana O. Stepchenkova, University of Florida; Juan M. Hernández, University of Las Palmas de Gran Canaria; *Tourist segmentation through network analysis of user generated content*

1:30 Svetlana Stepchenkova*, Andrei P. Kirilenko, PhD, University of Florida; Juan M. Hernández, PhD, University of Las Palmas de Gran Canaria; *Comparing Tourism Clusters with Network and Spatial Analyses of Online Reviews*

1:50 Yang Yang*, Temple University; Xiaowei Zhang, Harbin Institute of Technology; Yi Zhang, Peking University; *Tourists' behavior and experience under air pollution*

2:10 Grant McKenzie*, McGill University; *Toronto's Eiffel Tower: Assessing tourist attraction similarities through user-contributed content*

2:30 Luyu Wang*, University of Florida; Angélica Almeyda Zambrano, University of Florida; Zhaohe Xu, Amazon.com, Inc; *Mining Online User-Generated Content: Investigating Tourists Attitudes to Natural Protected Areas*

Saturday-091-1:10 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Social Media Analytics Tool Development (Sponsored by Cartography Specialty Group, Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Congressional B, Omni, West (Panel)

Time: 1:10 p.m. - 2:50 p.m.

SATURDAY April 6 • 1:10 PM - 2:50 PM

ORGANIZER(S): Xinyue Ye, New Jersey Institute of Technology;
Ming-Hsiang Tsou, San Diego State University; Wei Luo,
Arizona State University

CHAIR: Wei Luo, Arizona State University

Panelist(s): Zhenlong LI, Assistant Professor, University of
South Carolina; Wei Luo, Arizona State University;
Qunying Huang, Assistant Professor, University
of Wisconsin - Madison; Atsushi Nara, Assistant
Professor, San Diego State University; Ming-Hsiang
Tsou, Professor, San Diego State University

Saturday-092-1:10 p.m. Worker Agency and Well-Being

Room: Empire Room, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Anne Green, City REDI, University of Birmingham

1:10 Maria Abreu*, University of Cambridge; Ozge Oner,
University of Cambridge; Aleid Brouwer, University
of Groningen; Eveline van Leeuwen, University of
Wageningen; *Well-being effects of self-employment: a
spatial inquiry*

1:30 Nicholas Kimberley*, Australian Catholic University;
Sally Weller, Australian Catholic University; *Working
lives after retrenchment: Using a Moral Economy
framework to better understand workers' experiences
of job loss*

1:50 Jan Vang*, Aalborg University; Mohammad Abdul Latif,
PhD student, Aalborg University; *Employee voice and
social sustainability of global supply chains: Insights
from Bangladesh*

2:10 Stephen Buckman*, Clemson University; *Local First
Organizations as Community Economic Resiliency*

2:30 Anne Green*, City REDI, University of Birmingham; *Place-
based collaboration to support small firms' productivity*

Saturday-093-1:10 p.m. Planning in Theory, Theory in Planning 1

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Phil Jones, University of Birmingham; Charles Corwin;
Emmanuel Frimpong Boamah, SUNY - Buffalo

CHAIR: Phil Jones, University of Birmingham

1:10 Raksha Vasudevan*, PhD Candidate, University of Texas
- Austin; *Theorizing through Talking and Drawing:
Lessons from Ethnographic Fieldwork with Young
People in Santo Domingo, Dominican Republic*

1:30 Phil Jones*, Dr, University of Birmingham; Lauren Andres,
University of Birmingham; Lorena Melgaco Silva
Marques, University of Birmingham; Stuart Denoon-
Stevens, University of the Free State; *When strategies
collide: de Certeau and South African planning*

1:50 Charles Corwin*; *Use of deep mapping for co-production
of knowledges in community development: Lessons
from cover cropping in Illinois*

2:10 Sarah Gelbard*, McGill University School of Urban
Planning; *No future. Punk planning, agonistics, and
politics of exclusion*

2:30 Alexandra Appelbaum*, University of California, Berkeley
and University of the Witwatersrand; *The Pothole
Pandemic: South African exceptionalism, modernity
and state failure for the middle class*

Saturday-094-1:10 p.m. After the Global Land Grab**III: Beyond the Meta-narrative (Sponsored by
Geographies of Food and Agriculture Specialty
Group, Development Geographies Specialty Group,
Cultural and Political Ecology Specialty Group)**

Room: Regency Ballroom, Omni, West (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Will Shattuck; W. Nathan Green, University of
Wisconsin - Madison

CHAIR: Will Shattuck

1:10 Discussant(s): Ian Baird, Associate Professor, The
University of Wisconsin - Madison

1:30 Chris Knudson*, University of Arizona; Zack Guido,
University of Arizona; *Grabbing profits, not land: The rise
of private coffee buyers in the Jamaican Blue Mountains*

1:50 Katie Epstein*, Montana State University; *(Re)assembling
rangelands*

2:10 Madeleine Fairbairn*, University of California, Santa Cruz;
James LaChance, University of California, Berkeley;
Kathryn DeMaster, University of California, Berkeley;
Loka Ashwood, Auburn University; *Groundwater access
and farmland financialization in California*

2:30 Sarah Stefanos*, University of Wisconsin; *Shaky deals?
Ethiopian agro-investors and tensions between
developmentalism and neopatrimonialism in Ethiopian
land concessions*

**Saturday-095-1:10 p.m. Emerging Industries: Institutions,
Legitimacy and System Building 1 (Sponsored by
Economic Geography Specialty Group)**

Room: Blue Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Christian Binz, EAWAG; Robert Hassink, Kiel
University; Huiwen Gong

CHAIR: Michaela Trippel, University of Vienna

1:10 Huiwen Gong, Kiel University; Christian Binz,
Swiss Federal Institute of Aquatic Science and
Technology; Robert Hassink*, Kiel University;
Michaela Trippel, University of Vienna; *Theorizing the
economic geography of emerging industries from an
institutional perspective*

1:30 Cristian Gherhes*, University of Sheffield; Chay Brooks,
University of Sheffield; Tim Vorley, University of
Sheffield; *The role of trailblazers, anchors, and the
state in building and legitimising AI ecosystems:
Insights from Montreal*

1:50 Svein Gunnar Sjøtun*, Western Norway University of
Applied Sciences; *Social Fields, Agency and Transition*

2:10 Huiwen Gong*, Department of Geography, Kiel University,
Germany; Christian Binz, Swiss Federal Institute of
Aquatic Science and Technology, Sweden; *Institutional
work in emerging industries: a comparative study of
video games and potable water reuse*

2:30 Discussant(s): Christian Binz, Group Leader, EAWAG

**Saturday-097-1:10 p.m. Panel: Post-Crisis Fiscal
Geographies (Sponsored by Economic Geography
Specialty Group, Legal Geography Specialty Group,
Political Geography Specialty Group)**

Room: Capital Room, Omni, East (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Kelly Kay, University of California, Los Angeles;
Renee Tapp, Harvard University

SATURDAY, April 6 • 1:10 PM - 2:50 PM

CHAIR: Kelly Kay, University of California, Los Angeles

Introduction(s): Renee Tapp, PhD, Harvard University

Panelist(s): Sarah Hall, University of Nottingham; Philip Ashton, Associate Professor, University of Illinois-Chicago; Kathe Newman, Associate Professor, Rutgers University

Discussant(s): Heather Whiteside, University of Waterloo

Saturday-098-1:10 p.m. Racial Capitalism: A Methodological Discussion 3 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Embassy Room, Omni, East (Panel)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Benjamin Teresa, Virginia Commonwealth University; Caroline Ponder, University of British Columbia; Kelsey Johnson

CHAIR: Malini Ranganathan, American University

Panelist(s): John Paul Catungal, Instructor (TT), University of British Columbia; Kate Derickson, University of Minnesota

Discussant(s): Akira Rodriguez, Postdoctoral Fellow of Academic Diversity, PennDesign; Jovan Lewis, University of California - Berkeley

Saturday-099-1:10 p.m. Extended Urbanization 1: Approaches and Concepts

Room: Hampton Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Christian Schmid, ETH Zurich; Nikolaos Katsikis

CHAIR: Lindsay Howe, Swiss Federal Institute of Technology

1:10 Christian Schmid*, ETH Zurich; *Territories of Extended Urbanization: Notes on a research project*

1:30 Philippe Rekacewicz*, ETH - University of Zurich (Switzerland); *Mapping territories of extended urbanization*

1:50 Stephen Cairns*, *Urbanisation, Monsoon Asia and the Agrarian Question*

2:10 Carola Hein*, Tu Delft; *Oil Spaces: The Global Petroleumscape and the Northsea*

2:30 Discussant(s): Stefan Kipfer, York University

Saturday-100-1:10 p.m. Geographies of Property III: Governance (Sponsored by Urban Geography Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Nick Lombardo, University of Toronto; Trevor Wideman, Simon Fraser University; Stephen Przybylinski, Syracuse University

CHAIR: Trevor Wideman, Simon Fraser University

1:10 Qiaonan Li*, David Demeritt, Supervisor; *Seismic science, state reason, and disaster risk regulation in China's fragmented authoritarianism*

1:30 Nick Lombardo*, University of Toronto; *Constructing a Land Use Framework for Infrastructure: Land Use Planning and Infrastructural Development on Manhattan's Waterfront, 1830-1920*

1:50 Sarah Shoenfeld*, Prologue DC; *"A Strictly White Residential Section": restrictive covenants, court enforcement, and Bloomingdale's racial divide*

2:10 Emily Holloway*, CUNY Graduate Center; *"Business as Usual" or "Just Business"? A critical comparison of industrial rezonings*

2:30 MyungIn Ji*, University of Kentucky; *Historic Preservation and Gentrification in Seoul*

Saturday-101-1:10 p.m. Adoption of Conservation Practices in Agri-Environmental Governance: Social, Institutional, and Biophysical Factors of Participation 1 (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Landon Yoder, Indiana University; Kira Sullivan-Wiley, IBES; Martin Delaroché, Indiana University

CHAIR: Landon Yoder, Indiana University

1:10 Landon Yoder*, Indiana University; *Farmer engagement in watershed governance: The role of soil and water conservation districts in Iowa's watershed management authorities*

1:30 Martin Delaroché*, Indiana University; *The interrelations between diverse conservation decisions in a tropical soybean frontier: what are the financial and environmental tradeoffs of good agricultural practices adoption?*

1:50 Chloe Wardropper*, University of Wisconsin - Madison; *Seeding a Good Farmer: The relationship between cover crop decision-making and farmer identity*

2:10 Vijay Kolinjivadi*, Alejandra Zaga Mendez, Université du Québec en Outaouais; Jérôme Dupras, Associate Professor, Université du Québec en Outaouais; *Conserving nature to conserve production: Understanding Payments for Ecosystem Services (PES) within the political economy of potato processing on Prince Edward Island, Canada*

2:30 Kira Sullivan-Wiley*, Pardee Center, Boston University; Amy Teller, IBES, Brown University; *Mental maps and future imaginaries: How farmers in Bahia's Cacao Coast are transforming rural livelihoods and challenging assumptions of a producer-forest conflict*

Saturday-102-1:10 p.m. Changing Political Geographies of Finance (Sponsored by Economic Geography Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Michael Urban, University of Oxford; Stefanos Ioannou, University of Oxford

CHAIR: Michael Urban, University of Oxford

1:10 Michael Urban*, University of Oxford; *Rescaling of American public pension finance: are state and local plans running away from Wall Street?*

1:30 Stefanos Ioannou*, University of Oxford; Dariusz Wójcik, Prof., University of Oxford; Gary A. Dymski, Prof., University of Leeds; 2) *Too Big To Fail: Why Megabanks Have Not Become Smaller Since the Global Financial Crisis?*

1:50 Sabine Dörny*, Luxembourg Institute of Socio-Economic Research (LISER); Gary Dymski, University of Leeds; *The spatial production of financial risk: culture, networks, consequences*

2:10 Robert Panitz*, Heidelberg University; *Facing Brexit: On social networks and corporate relocations*

SATURDAY April 6 • 1:10 PM - 2:50 PM

- 2:30** Dora-Olivia Vicol*, Queen Mary University of London;
*Governing risk: the promise and pitfalls of privatising
 financial regulation.*

**Saturday-103-1:10 p.m. Geographies of Media III:
 Internet and Society (Sponsored by Media and
 Communication Geography Specialty Group)**

Room: President's Boardroom, Omni, East (Paper)

Time: 1:10 p.m. - 2:50 p.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

CHAIR: Kevin Sparks

- 1:10** Paola Zamperlin*, University of Florence; Chiara Garau,
 University of Cagliari; Margherita Azzari, University
 of Firenze; *(Re)Locating networks and physical
 boundaries: a Critical Reflection on today's Italian
 Governing Technology-based Urbanism*
- 1:30** Yiqing Fang*, *Spatial Distribution Characteristics
 of Online Popular Restaurants in Shanghai and
 Comparison with Ordinary Restaurants*
- 1:50** Peter Dunn*, University of Washington; *Enacting digital
 information: User knowledge and behavior in app-
 mediated urban mobility*
- 2:10** Kingsley Haynes*, George Mason University; Jitendra
 Parajuli, George Mason University; *Broadband and
 Narrowband Internet in Nepal*
- 2:30** Kevin Sparks*, Gautam Thakur, Oak Ridge National
 Laboratory; *Assessing cultural and geophysical
 influences on when cities operate*

SATURDAY April 6 • 3:05 PM - 4:45 PM

**Saturday-001-3:05 p.m. Experimental and Speculative
 Political Ecology (Sponsored by Digital Geographies
 Specialty Group)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dan Santos, Clark University; Dylan Harris,
 Clark University

CHAIR: Rod Neumann, Florida International University

Introduction(s): Dylan Harris, Clark University

Panelist(s): Max Ritts, University of Minnesota; KD Brown,
 University of North Carolina - Chapel Hill; Kevin
 Surprise, Mount Holyoke College; Dan Santos,
 Clark University; Matthew John, University of
 Kentucky; Yusif Idies, Dr., Muenster University,
 Department of Geography

**Saturday-002-3:05 p.m. The James R. Anderson
 Distinguished Lecture in Applied Geography |
 Dr. Budhendra "Budhu" Bhaduri (Sponsored by
 Applied Geography Specialty Group)**

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Hannah Torres, University of Central Florida

CHAIR: Hannah Torres, University of Central Florida

**Saturday-003-3:05 p.m. The Future of Open Education
 in Geography**

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Caitie Finlayson, University of Mary Washington;
 Jennifer Bjerke, San Bernardino Valley College

CHAIR: Caitie Finlayson, University of Mary Washington

Discussant(s): Caitie Finlayson, PhD, University of Mary
 Washington; Jennifer Bjerke, Professor, San
 Bernardino Valley College; Mark Guizlo, Professor,
 Lakeland Community College; Andy Anderson,
 Academic Technology Specialist, Amherst College

Panelist(s): Joseph Holler, Assistant Professor, Middlebury
 College

**Saturday-004-3:05 p.m. Outside the Wage II: Seeing Politics
 and Possibilities with Critical Comparisons (Sponsored
 by Economic Geography Specialty Group, Socialist
 and Critical Geography Specialty Group)**

Room: Maryland A, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Aman Luthra, Kalamazoo College; Christian Anderson,
 University of Washington Bothell

CHAIR: Jennifer Tucker, University of New Mexico

3:05 Introduction(s) Aman Luthra, Assistant Professor,
 Kalamazoo College

SATURDAY, April 6 • 3:05 PM - 4:45 PM

- 3:25** Jacqueline Daigneault*, University of Minnesota - Minneapolis; *Laboring for "Development": Unwaged Work in a Yam Traders' Savings and Loan Association*
- 3:45** Tara Cookson*, University of British Columbia; *Women's labour and the gendered politics of data-driven development*
- 4:05** Rachel Goffe*, Temple University; *Wake Work and Capital's Littoral Edge: Black beyond Property*
- 4:25 Discussant(s):** Christian Anderson, Assistant Professor, University of Washington Bothell

Saturday-005-3:05 p.m. Tourism stakeholders (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jillian Rickly, University of Nottingham

CHAIR: Larissa Simon, University of Minnesota

- 3:05** Tembi Tichaawa*, University of Johannesburg; Albert Kimbu, University of Surrey; *Unlocking policy impediments for service delivery within local hotels in Cameroon*
- 3:25** COLLINS ADJEI MENSAH*, University of Cape Coast; *Women Participation in Ecotourism Development Within the Kakum Conservation Area, Ghana: Implications for Community Planning*
- 3:45** Larissa Simon*, University of Minnesota; *The Socioenvironmental Impacts of Enotourism in Spain: How a more sustainable form of tourism can preserve local heritage, culture, and the environment*
- 4:05** Adrián Cetina Catzín*, Florida International University; *Tourism, cultural heritage and the emergence of indigenous alter-ego identities*
- 4:25** Xing Su*, Utrecht University; Pieter Hooimeijer, Utrecht University; Bas Spierings, Utrecht University; *Tourist-resident interactions and evaluations of these interactions in diverse geographical contexts*

Saturday-006-3:05 p.m. Changing Geographies of Social Welfare II: Privatization and Politics of Non-State Actors (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Melissa Heil, University of Illinois

CHAIR: Melissa Heil, University of Illinois

- 3:05** Norma Rantisi*, Concordia University; Deborah Leslie*, University Of Toronto; *Can Work Integration Social Enterprises (WISEs) serve as a Counter-Movement to the Marketization of Labour? The Case of Petites Mains in Montreal, Quebec*
- 3:25** Patrick Oberle*, Syracuse University; *The Shadow State Redux: Land Banking and the Politics of Post-Industrial Housing*
- 3:45** Stevie Larson*, Spelman College; *Family-Saving as Class Warfare: Privatizing Welfare Governance on a Landscape of Migrant Bodies*
- 4:05** Melissa Heil*, PhD Candidate, University of Illinois; *Philanthropy, Voluntary Organizations, and the Production of the Uneven Landscape of Austerity-Induced Precarity*
- 4:25 Discussant(s):** Geoffrey Deverteuil, Cardiff University

Saturday-007-3:05 p.m. Liquidity of borders: Exploring Meanings and Effects of (non)Autonomy of Contemporary Migrations II (Sponsored by Political Geography Specialty Group, Legal Geography Specialty Group)

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Md Azmeary Ferdoush, University of Hawaii - Manoa; Borjana Lubura, University of Hawaii - Manoa

CHAIR: Borjana Lubura, University of Hawaii - Manoa

- 3:05** Maggi Leung*, Utrecht University; Johanna L Waters, University College London; *Move to learn, learn to move: cross-border schooling between Hong Kong and Mainland China*
- 3:25** Md Azmeary Ferdoush*, Mr., University of Hawaii - Manoa; *Sovereign Overcompensation: (Re)making the border and citizens in the former enclaves of Bangladesh and India.*
- 3:45** Ayushman Bhagat*, University of Durham; *Escape Mobilities: Re-thinking the Autonomy of Migration*
- 4:05** Ling-I Chu*; *In the Name of Taiwan: The Bordering of Nation/State in China's Haixi Economic Zone*
- 4:25** Yeonhee Kim*; *The Division/ing Politics of Korea*

Saturday-008-3:05 p.m. Research in Electoral Geography (Sponsored by Political Geography Specialty Group)

Room: Virginia B, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): John Heppen, University of Wisconsin, River Falls

CHAIR: John Heppen, University of Wisconsin, River Falls

- 3:05** John Heppen*, Professor, University of Wisconsin, River Falls; David Beard, University of Minnesota Duluth; *Donald Trump, Professional Wrestling, and the Electoral Geography of Vengeance and Redemption.*
- 3:25** Katherine Perry*, University of Oregon; *Voter migration & electoral trends in North Carolina*
- 3:45** Tu Lan*, University of New Hampshire; *Geography of government support in China*
- 4:05** Matthew Balentine*, University of North Carolina - Greensboro; *Using U.S. Presidential Primary Elections in Electoral Geography Research*
- 4:25** Lee Hachadoorian*, Temple University; *Projection Choice and Measures of Compactness*

Saturday-009-3:05 p.m. History of Geography 1: Geographical Voices (Sponsored by History of Geography Specialty Group)

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jorn Seemann, Ball State University

CHAIR: Dorothy Sack, Ohio University

- 3:05** Christina Dando*, University of Nebraska-Omaha; *"Geography must be Indian geography": geographies and cartographies of the Progressive Era American Subaltern*
- 3:25** Jorn Seemann*, Ball State University; *(W)rites of Passage and Geographical Biographies: Female Peace Corps Volunteers in Latin America (1961-1970)*
- 3:45** Heike Joens*, Dr., Loughborough University; Dean W Bond, Loughborough University; *Academic travel, university jubilees, and the nationalization of German universities, 1911-1912*

SATURDAY April 6 • 3:05 PM - 4:45 PM

4:05 Kent Mathewson*, Fred B. Kniffen Professor, Louisiana State University; *Berkeley Branches and Twigs: Carl O. Sauer's Genealogical Academic "Tree" Updated*

4:25 Dorothy Sack*, Ohio University; *G.K. Gilbert's Minigraph 1*

Saturday-010-3:05 p.m. Innovations in Teaching Qualitative Methods in Geography I (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Lise Nelson, Penn State University; Lorraine Dowler, Penn State University

CHAIR: Lorraine Dowler, Penn State University

Panelist(s): Katharine Rankin, Professor, University of Toronto; Richard Schein, Professor and Associate Dean, University Of Kentucky; Naomi Adiv, Portland State University; Caroline Faria, Dr, University of Texas - Austin; Emily Kaufman, Student, University of Kentucky; Lise Nelson, Associate Professor, Penn State University

Saturday-012-3:05 p.m. Speculation and Spectacular Failures: Global Investments in Africa (Sponsored by Development Geographies Specialty Group, Africa Specialty Group, Urban Geography Specialty Group)

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Ashley Fent, Vassar College; Alicia Lazzarini, Bucknell University

CHAIR: Alicia Lazzarini, Bucknell University

3:05 Youjin B. Chung*, Clark University; *The curious case of three male elders: Land grabbing and perverse legal resistance in Bagamoyo, Tanzania*

3:25 Ashley Fent*, Postdoctoral Fellow, Vassar College; *Mining Contestations and Claims to the Future in Senegal, The Gambia, and Guinea-Bissau*

3:45 Aharon De Grassi*, University of California - Santa Cruz; *Between spectacle and the every day: Geographical patterns of oil-fueled reconstruction in post-war Angola*

4:05 Alicia Lazzarini*, Bucknell University; *Spectacular, Empty Buildings: Urban Luxury Resorts and their Failures in Mozambique*

4:25 Discussant(s): D. Asher Ghertner, Dr., Rutgers University

Saturday-016-3:05 p.m. Critical Q Methodology

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Gretchen Sneegas, University of Georgia; Lourdes Ginart, University of Oregon

CHAIR: Gretchen Sneegas, University of Georgia

Introduction(s): Gretchen Sneegas, University of Georgia

Panelist(s): Sydney Beckner, Texas A&M University; Joshua Cousins, Assistant Professor, SUNY-ESF; Stentor Danielson, Slippery Rock University; Lourdes Ginart, University of Oregon; Noella Gray, Associate Professor, University of Guelph

Discussant(s): Kerri Ormerod, Asst Professor/Program Leader, University of Nevada; Heather Rosenfeld, University of Wisconsin - Madison

Saturday-018-3:05 p.m. Critical Approaches to Disability Workshop: Part 2 (Sponsored by Disability Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Sara Loftus, West Virginia University; Catherine Jampel, Clark University

CHAIR: Sara Loftus, West Virginia University

Introduction(s): Sara Loftus, West Virginia University

Panelist(s): Aimi Hamraie, Vanderbilt University; Catherine Jampel, Graduate Student, Clark University; Ileana Diaz, University of Waterloo; Sarah Bannister

Saturday-019-3:05 p.m. Post-Socialist Political Ecologies 3 (Sponsored by Cultural and Political Ecology Specialty Group, Eurasian Specialty Group, Political Geography Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jesse Swann-Quinn, Syracuse University

CHAIR: Jesse Swann-Quinn, Syracuse University

Introduction(s): Jesse Swann-Quinn, PhD Candidate, Syracuse University

Discussant(s): Jessica Graybill, Associate Professor, Colgate University; Jeremy Tasch, Towson University; Craig Young; Chad Staddon, Professor, University of the West of England

Saturday-020-3:05 p.m. Pushing the Boundaries of Regional Infrastructure: The Washington DC Region in Focus

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jen Nelles, Hunter College, CUNY

CHAIR:

Introduction(s): Jen Nelles, Adjunct Assistant Professor, Hunter College, CUNY

Panelist(s): Chuck Bean, Metropolitan Washington Council of Governments; Joseph Kane, Brookings; Ian MacFarlane, President & CEO, EA Engineering, Science, and Technology, Inc., PBC; Leah Meisterlin, Assistant Professor, Columbia University

Saturday-023-3:05 p.m. The 'Work' of Nature – Towards a Political Economy of Lively Capital (2) (Sponsored by Cultural and Political Ecology Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): James Palmer, University of Bristol; Marion Ernwein, University of Fribourg; Maan Barua, University of Oxford

CHAIR: James Palmer, University of Bristol

3:05 Anne Lally*, *Circulatory [food] systems: Icelandic bloodmarrying, reproductive technologies, and the porosity of female agricultural bodies*

3:25 Eric Hirsch*, Postdoctoral Fellow, University of Chicago; *Extractive Care: Cattle, Contamination, and Climate Change Near a Peruvian Mine*

3:45 Merle Patchett*, *From Sexual Selection to Sex And The City: the Excessive Commodity Biogeographies of the Blue Bird-Of-Paradise*

SATURDAY, April 6 • 3:05 PM - 4:45 PM

- 4:05** Can Dalyan*, Denison University; *Latent Capital: Genebanking as Investment in Climate Change Futures*
- 4:25 Discussant(s):** Maan Barua, Mr, University of Oxford

Saturday-024-3:05 p.m. Cartography and GIS

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 3:05 p.m. - 4:45 p.m.
 ORGANIZER(S): Program Committee, American Association of Geographers
 CHAIR: Jens Haendeler, Al-Quds Bard College

- 3:05** Baode Jiang*, *A fractal model for multi-scale representation and efficient transmission of cartographic curves over the internet*
- 3:25** FU REN*, Wuhan University, China; Qingyun Du, Wuhan University, China; *Participatory Approaches of Cartography based on Internet Plus*
- 3:45** Christopher Sutton*, Western Illinois University; *Creating Map Books for Counties in Western Illinois*
- 4:05** Chong Shan*, East China Normal University; Dan He, East China Normal University; Panpan Zhang, East China Normal University; Yui-yip Lau, The Hong Kong Polytechnic University; Xiaobing Chen, East China Normal University; Peng Gao, East China Normal University; *Spatial Cognitive Mapping of the Yangtze River Mid-Reach Megaregion, China*
- 4:25** Jens Haendeler*, Al-Quds Bard College; Savana Mjalli, Al-Quds Bard College; Adi Erekat*, Al-Quds Bard College; Hadeel Radaideh, Al-Quds Bard College; *Al-Walaja Atlas*

Saturday-025-3:05 p.m. Historic Preservation and Interpretation (Sponsored by Cultural Geography Specialty Group, Study of the American South Specialty Group)

- Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 3:05 p.m. - 4:45 p.m.
 ORGANIZER(S): Matthew Cook, Eastern Michigan University
 CHAIR: David Robertson, SUNY Geneseo
- 3:05** Janet Gritzner*, Professor, South Dakota State University; *Native Quartzite: Historic Building Material of the Dakota Prairies*
- 3:25** Theodore Hilton*, Tulane University; *Reconstruction-Era Southeast Louisiana Communities and the Uses of Historic Preservation*
- 3:45** Thomas Christoffel*, Regional Intelligence-Regional Communities, LLC; *American City-building Interrupted: 1950s Cold War Population Dispersion begets #FearOfDensity, Suburban Sprawl and the Regionalization of Everything*
- 4:05** Andrew Allen*, University of Kansas; *Impacts of Competency and Fee Patents on the Omaha Reservation During the Allotment Period: History and Patterns 1906-1934*
- 4:25** David Robertson*, SUNY Geneseo; Stephen Tulowiecki, SUNY Geneseo; *Interpreting The Big Tree: Negotiating Native American, Euro-American and Ecological Narratives*

Saturday-026-3:05 p.m. Reinventing Imaginaries of Economic Change: Intersections with Gender, Identity, Race, and Sexuality I (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

- Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 3:05 p.m. - 4:45 p.m.
 ORGANIZER(S): Kevin St. Martin, Rutgers University; Zoe Alexander, Rutgers University - Piscataway, NJ; Thomas Crowley, Rutgers University
 CHAIR: Kevin St. Martin, Rutgers University
- 3:05** Leo Hwang*, Greenfield Community College; *Reconstructing Diversity and Inclusion in the Workplace: Re-Thinking Economies of Difference in Higher Education*
- 3:25** Gregory Brodie*, *Contentious Spaces: Newark, New Jersey and the Port of Newark*
- 3:45** Zoe Alexander*, Rutgers University - Piscataway, NJ; *Imaginaries of Nature and the Practice of Transformative Justice*
- 4:05** Kaner Turker*, Clark University; *Assembling Community Economies in Northern Kurdistan*
- 4:25 Discussant(s):** Maliha Safri, Drew University, Madison NJ

Saturday-027-3:05 p.m. Critical Geographies of Education III: Schools and the Production of Space (Sponsored by Critical Geographies of Education Specialty Group, Political Geography Specialty Group)

- Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 3:05 p.m. - 4:45 p.m.
 ORGANIZER(S): Dan Cohen; Alice Huff, UCLA; Nicole Nguyen, University of Illinois - Chicago
 CHAIR: Dan Cohen
- 3:05** Cortland Gilliam*, University of North Carolina at Chapel Hill; *Whose Public? Elucidating Boundaries of Private Claims to Public Educational Space*
- 3:25** Mayra G. Sánchez Barba*, University of California - Davis; *Schools, Race, and Contested Ecologies: The Haunting Toxicity of Big Ag in California's Central Coast*
- 3:45** Ryan M Good*, Eastern Mennonite University; *Race, space, and development in the transition to charter schools in Washington, DC*
- 4:05** Katrina Pietromica*, *White Supremacy as Slow Violence in US Compulsory Schools*
- 4:25** Hilario Lomeli*, Pennsylvania State University; *Educational Disposability: Latinx Youth, School Pushout, and Geographies of the Barrio*

Saturday-028-3:05 p.m. Urban China IV: Case Studies of Large Urban Areas

- Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 3:05 p.m. - 4:45 p.m.
 ORGANIZER(S): Program Committee, American Association of Geographers
 CHAIR: Florencia Magni
- 3:05** Liou Xie*, Associate Professor, State University of New York at Plattsburgh; Zhenshan Yang, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; *Longgang: A Small City Breaking through the Hierarchy*

SATURDAY April 6 • 3:05 PM - 4:45 PM

3:25 De Tong, tutor; Yuxi Yuan*, Jing Liu, colleague; *Location Selection of Urban Regeneration: A Case Study of Urban Village Regeneration in Shenzhen, China*

3:45 Yingnan Zhang*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Hualou Long, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Li Ma, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Shuangshuang Tu, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; *Analysis of the government-led redevelopment of urban village based on community resilience: The case of Tangjialing village in Beijing*

4:05 Lingfan Yang*, Beijing Normal University; Yansui Liu, Beijing Normal University; Institute of Geographic Sciences and Natural Resources Research (IGSNRR), CAS; *Study on Coordinated Development of Urbanization and Ecosystem Services on Hainan Island*

Saturday-036-3:05 p.m. Policy Mobilities II: Where Next? (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Economic Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jamie Peck, University of British Columbia; Eugene McCann, Simon Fraser University

CHAIR: Eugene McCann, Simon Fraser University

3:05 Shenjing He*, The University of Hong Kong; *Policy mobilities, politics of scale and latecomer advantages: Globalizing strategies of small inland cities*

3:25 Rachel Bok*, University of British Columbia; Jamie Peck*, Professor, University of British Columbia; Jun Zhang, University of Toronto; *A necessary delusion? The Hong Kong model, (post)colonial practice, and the neoliberal imagination*

3:45 Emma Colven*, University of Oklahoma; *Disruptive & productive frictions: The messiness of globalizing the Dutch Delta Approach*

4:05 Nik Theodore*, University of Illinois at Chicago; *How movements move: a policy mobilities approach to studying repertoires of contestation*

4:25 Discussant(s): Gianpaolo Baiocchi

Saturday-037-3:05 p.m. Reading the AP Human Geography Test: The Craziest, most Rewarding 7 Days of Your Life (Sponsored by Geography Education Specialty Group, Careers and Professional Development)

Room: Washington 2, Marriott, Exhibition Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jonathan Wessell, Grand Valley State University

CHAIR: Jonathan Wessell, Grand Valley State University

Introduction(s): Jonathan Wessell, Adjunct Faculty, Grand Valley State University

Panelist(s): Emily Fekete, American Association of Geographers; Amanda Weber, Oklahoma State University; Daniel Whalen, Parkdale High School; William Schaufler, Fort Dorchester High School

Discussant(s): Lisa Benton-Short, Associate Professor, The George Washington University

Saturday-038-3:05 p.m. Geographies of Urban Displacement 2: gentrification, exclusion and the violence of unhoming (Sponsored by Urban Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Philip Hubbard, King's College London; Adam Elliott-Cooper

CHAIR: Philip Hubbard, King's College London

3:05 Adam Elliott-Cooper*, Phil Hubbard, King's College London; *The slow violence of displacement on London's gentrification frontier*

3:25 Ingmar Pastak*, University of Tartu; Anneli Kährik, University of Tartu; *Symbolic displacement revisited: Place-making narratives in gentrifying neighbourhood*

3:45 Pratichi Chatterjee*, University of Sydney; *Re-orientating that which holds up – property and displacement in Sydney*

4:05 Jess Linz*, University of Kentucky; *The Smell of Death: Affective Registers of Urban Displacement in Mexico City*

4:25 Pascale Joassart-Marcelli*, San Diego State University; Fernando Bosco*, San Diego State University; *Food and Global Gentrification: Displacement in the Foodscapes of Buenos Aires, Los Angeles, and Paris*

Saturday-039-3:05 p.m. Beyond Metaphors of Decolonization: Engaging the Intersections of Feminist Geography and Decolonial Feminist Theory I (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): A. Marie Ranjbar, Ohio State University

CHAIR: Kiran Asher, University of Massachusetts, Amherst, MA

3:05 Discussant(s): Kiran Asher, Professor, University of Massachusetts, Amherst, MA

3:25 A. Marie Ranjbar*, Ohio State University; *Reorienting Women's Rights in Iran*

3:40 Lara Lookabaugh*, University of North Carolina - Chapel Hill; *Del Nacimiento: A Public Water Tank as Central to Mam Women's Organizing in Guatemala*

3:55 Pallavi Gupta*, University of North Carolina - Chapel Hill; *Durability of Colonial Categories: Experiences from Hyderabad*

4:10 Melisa Arganaraz*, University of Maryland - Baltimore County; *Decolonizing realities: Latinx youth subjective citizenship and conversations on race, racism, and place.*

4:25 Introduction(s): Kiran Asher, Professor, University of Massachusetts, Amherst, MA

Saturday-040-3:05 p.m. The Spatial Politics of Reaction: Austerity, Ressentiment, and the Urban II

Room: Washington 5, Marriott, Exhibition Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Coleman Allums, University of Georgia; Scott Markley, University of Georgia

SATURDAY, April 6 • 3:05 PM - 4:45 PM

CHAIR: Scott Markley, University of Georgia

- 3:05** Coleman Allums*, University of Georgia; *Suburban gentrification and the psychic politics of reaction.*
- 3:25** Matthew Harris*, University of Georgia; *Safety and the politics of crisis: a reactionary online response to the Ghost Ship fire*
- 3:45** Nir Cohen*, Bar Ilan University; *'There goes the temporhood': Racialized timescapes in Southern Tel Aviv*
- 4:05** Claire Rasmussen*, University Of Delaware; *Other People's Babies: the Sexual Imaginary of Nativist Natalists*
- 4:25** Athina Arampatzi*, *Post-crisis governance transformations: a comparative perspective between Madrid, Spain and Athens, Greece*

Saturday-041-3:05 p.m. Critical Resource Geography II: Theory, Method, and Engagement

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Matthew Himley, Illinois State University; Elizabeth Havice, University of North Carolina-Chapel Hill; Gabriela Valdivia, University of North Carolina - Chapel Hill

CHAIR: Elizabeth Havice, University of North Carolina-Chapel Hill

Panelist(s): Danielle Purifoy, Postdoctoral Fellow, University of North Carolina - Chapel Hill; Eloisa Berman-Arevalo; Emily Billo, Dr., Goucher College; Elizabeth Shapiro-Garza, Associate Professor, Duke University; Anthony Bebbington, Higgins Professor and Director Graduate School of Geography, Clark University

Saturday-047-3:05 p.m. Building New Concepts in Urban Studies: Challenges and Tactics in Comparative Urbanism - II - Composing comparisons

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jennifer Robinson, University College London; Alvaro Sanchez Jimenez

CHAIR: Lukasz Stanek

- 3:05** Alvaro Sanchez Jimenez*, *Theorising the urban dimension of economic crisis: global concepts, local experiences and experimental methods*
- 3:25** Oded Haas*, York University; *The global housing crisis seen from Palestine/Israel: Producing the colonial present, one new city at a time*
- 3:45** Jennifer Robinson*, University College London; *Extracting Value, London Style: Thinking urban politics beyond "variegation"*
- 4:05** Helga Leitner*, University of California, Los Angeles; Eric Sheppard*, UCLA; *Theorizing through Jakarta and Bangalore: Speculative urbanism and the multi-scalar rental economy*
- 4:25** **Discussant(s):** Gavin Shatkin, Associate Professor, Northeastern University

Saturday-048-3:05 p.m. Remote Sensing Time Series Analysis with Moderate Spatial Resolution Imagery II (Sponsored by Remote Sensing Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Chunyuan Diao, University of Illinois at Urbana-Champaign; George Xian, USGS EROS Data Center; Xiaoyang Zhang

CHAIR: Chunyuan Diao, University of Illinois at Urbana-Champaign

3:05 David Johnson*, USDA/National Agricultural Statistics Service; *On using the Landsat archive to map crop cover history across the United States*

3:25 ATSUSHI TOMITA*, Ph.D., The City University of New York; *Detecting deforestation and conversion to oil palm plantations in tropical Asia with Landsat time series, ALOS-2/PALSAR-2 data and multi-temporal Google Earth images*

3:45 Chunyuan Diao*, University of Illinois at Urbana-Champaign; *Innovative pheno-network model in characterizing the phenological process of vegetation*

4:05 Timothy Filley, Purdue University; Zachary Brecheisen*, Purdue University; Darrell Schulze, Purdue University; *NEXUS Institute: capturing 40+ years of agricultural development across Arequipa, Peru using random forest land cover classification and Landsat 1, 2, 3, 5, and 7 imagery*

Saturday-049-3:05 p.m. Spatiotemporal Characterizations of Aquatic Environments

Theme: Physical Geography in Environmental Science

Room: Jackson, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Sean Bennett

3:05 Dexuan Sha*, George Mason University; Mengchao Xu, George Mason University; Chaowei Yang, George Mason University; *Developing a Distributed Storing and Computing Framework on Cloud for Arctic Sea Ice Imagery Sharing and Analysis*

3:25 Jason Post*, Assistant Professor, Navajo Technical University; *An Analysis of Similarity for Evaluating Human and Physical Landscape Factors in the Success of Exotic and Invasive Fish: Comparing native range habitats to the Los Angeles River*

3:45 Xuelian Meng*, Louisiana State University; Victor H. Rivera-Monroy, Louisiana State University; Nan Shang, Louisiana State University; Xukai Zhang, Louisiana State University; Xiaochen Zhao, Louisiana State University; *Assessing the impact of inundation zones on marsh-mangrove ecotone habitat structure based on terrestrial LiDAR, RTK- GPS, and hydroperiod measurements*

4:05 Jieun Choi*, Seoul National University; Seong A Cho, Seoul National University; *Spatiotemporal changes of halophytes in Sorae wetland and its tidal channel, South Korea*

4:25 Sean J. Bennett*, University at Buffalo; Brandon J. Sansom, University at Buffalo; Joseph F. Atkinson, University at Buffalo; *Flow resistance, hydrodynamic tipping points, and the optimal density of aquatic mussels on river beds*

Saturday-052-3:05 p.m. Dendrochronology IV: Ecology (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jodi Axelson, University of California, Berkeley; Maegen Rochner, University of Tennessee Knoxville; Rebecca Brice, University of Arizona

CHAIR: Rebecca Brice, University of Arizona

3:05 Ze'ev Gedalof*, University of Guelph; Emma Davis, University of Guelph; Robert Brown, University of

SATURDAY April 6 • 3:05 PM - 4:45 PM

Guelph; Heather Hager, University of Guelph; *Controls on high elevation treelines in the Canadian Rocky Mountains*

3:25 Benjamin Hagedorn*, Western Washington University; Aquila Flower, PhD, Western Washington University; *Conifer Invasion: A Multivariate Analysis of Seedling Establishment and Encroachment around Mt. Baker, WA*

3:45 Maegen Rochner*, University of Tennessee Knoxville; *Late Holocene Climate And Environmental Change In A High-Elevation, Whitebark Pine Ecosystem, Beartooth Mountains, Wyoming, USA*

4:05 William Flatley*, PhD, University of Central Arkansas; Lillian McDaniel, University of Central Arkansas; *Fire history of an unlogged shortleaf pine forest in the Ouachita Mountains, Arkansas*

4:25 Monica Rother*, University of North Carolina at Wilmington; Jean Huffman, Tall Timbers; Kevin Robertson, Tall Timbers; Chris Guiterman, University of Arizona; *No evidence of fire exclusion in the fire-scar record for the Red Hills Region of the US Southeast*

3:05 Xiaojun Deng*, Mark Warren Rosenberg, Professor, Queen's University; *Survival Analysis of Older Chinese with Chronic Diseases: Evidence from China Health and Retirement Longitudinal Study in 2011, 2013 and 2015*

3:25 Ana Louro, Centre of Geographical Studies / Institute of Geography and Spatial Planning Universidade de Lisboa; Eduarda Marques Da Costa*, Universidade de Lisboa - Centro de Estudos Geográficos; Nuno Marques da Costa, Centre of Geographical Studies / Institute of Geography and Spatial Planning Universidade de Lisboa; *Physical accessibility to health services – Case study in Lisbon Metropolitan Area, Portugal*

3:45 Filiberto Asare-Akuffo*, Florida State University; *Measuring the impact of Medicaid on geographic accessibility to oral health care*

4:05 Ramjee Bhandari*, University of Glasgow; Richard Mitchell, Professor, University of Glasgow; Valarie Wells, University of Glasgow; Hilary Thompson, University of Glasgow; *Neighbourhood effects on health in urban areas of developing countries: a systematic review*

4:25 Yi Yu*, University of Oregon; *Governing through the NGO, community eldercare and community building in urban China*

Saturday-053-3:05 p.m. Geospatial Data Act Panel

Room: Marshall West, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: The American Association of Geographers

Panelist(s): Douglas Richardson, Executive Director, American Association of Geographers; Michelle Kinzer, AAG; John Wertman, Program Manager, Public Policy, Esri

Saturday-054-3:05 p.m. Geographies of Absence and Presence (Sponsored by Cultural Geography Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Joern Langhorst, University of Colorado Denver, College of Architecture and Planning; Nick Patin, University of Colorado - Denver

CHAIR: Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

3:05 Areti Athanasopoulos*, *Toponymy as Guide for Understanding Presence and Absence in the Landscape*

3:25 Nick Patin*, University of Colorado - Denver; *Visibility, Life, and Death - an exploration into the things of absence and presence*

3:45 Sarah Brown*, University of Colorado - Denver; *Purchasing Place: An Analysis of Contemporary Home Marketing through a Spatial Reading of The Second Sex*

4:05 Hannah Smith*, UC Denver; *Lighting Women's Limitations*

4:25 Noelani Eidse*, McGill University; Melody Lynch, University of Melbourne; *(Re)configurations of belonging: Shadow citizenship and negotiations over state sanctions in Indonesia and Vietnam*

Saturday-055-3:05 p.m. Geographies of Health and Healthcare II (Sponsored by Health and Medical Geography Specialty Group)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Prince Michael Amegbor, Queen's University; Jessica Finlay, University of Michigan

CHAIR: Mark Rosenberg, Queen's University

Saturday-056-3:05 p.m. GeoHealth and Environmental Factors

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Xun Shi, Dartmouth College

3:05 Chijioke Anyanwu*, Ohio University; *A geospatial analysis of the health impacts of oil spills in the Niger Delta of Nigeria*

3:25 Joseph T Zume*, Department of Geography and Earth Science, Shippensburg University of Pennsylvania; Simon Mariwah, Department of Geography and Regional Planning, University of Cape Coast, Ghana; Ebenezer Kwaku Boateng, Department of Geography and Regional Planning, University of Cape Coast, Ghana; *Implications of household sanitation on groundwater quality and human health in low-income urban communities of Cape Coast, Ghana*

3:45 Michael Emch*, University of North Carolina at Chapel Hill; *Deep Tubewell Water Quality and Access in Arsenic Mitigation Programs in Rural Bangladesh*

4:05 Xun Shi*, Dartmouth College; Meifang Li, Sun Yat-sen University; Dartmouth College; *Estimation of Environmental Exposure: Interpolation, Kernel Density Estimation, or Snapshotting*

Saturday-057-3:05 p.m. GeoHealth, Food, and Nutrition

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Yunxin Huang

3:05 Khristopher Nicholas*, UNC Chapel Hill, Department of Nutrition; Carolina Population Center, Chapel

SATURDAY, April 6 • 3:05 PM - 4:45 PM

Hill, NC; Paul Delamater, PhD, UNC Chapel Hill, Department of Geography; Carolina Population Center, Chapel Hill, NC; Amanda Thompson, PhD, UNC Chapel Hill, Department of Anthropology and Department of Nutrition; Carolina Population Center, Chapel Hill, NC; Peggy Bentley, PhD, UNC Chapel Hill, Department of Nutrition; Carolina Population Center, Chapel Hill, NC; Enrique Terán, MD, PhD, Universidad San Francisco de Quito, Colegio de Ciencias de la Salud, Quito, Ecuador; *Mapping household-level interactions of space-time interpolated nutritional environments in the Galápagos*

- 3:25** Richard Sadler*, Michigan State University; Amelia Schmid, Michigan State University; Zahera Farhan, Michigan State University; *Deserts, Swamps, and Oases: Linking Objective GIS-Based Measures of Healthy and Unhealthy Food Environments in Flint, Michigan*

- 3:45** Chris Dicken*, USDA/Economic Research Service; *Capturing the Complete Food Environment with Commercial Data: A Comparison of TDLinx, ReCount, and NETS*

- 4:05** Bochu Liu*, University of Toronto; Michael Widener, University of Toronto; Thomas Burgoine, University of Cambridge; David Hammond, University of Waterloo; *Associations between activity space fast food exposure and fast food consumption among young adults in Canada*

- 4:25** Yunxin Huang*, *Effects of Different Ratio of the Mixed Soils on Soil Physiochemical Properties and Spring Maize Yield for Agricultural Land Engineering in the Loess Plateau*

Saturday-058-3:05 p.m. Cultural Perspectives on Environmental Studies

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Tiana Fain, California State University - Long Beach

- 3:05** Erin Call*, Utah Valley University; *The Role of Art in Addressing the Ecological Crisis*

- 3:25** Inhye Kong*, *Retrieving Landscape Identity from User-Generated Content: a case study of Cajas National Park, Ecuador*

- 3:45** Abel Ayon*, University of North Carolina - Charlotte; *Mapping cultural ecosystem services in Mecklenburg County NC*

- 4:05** Brittany Kiessling*, *"One-size does not fit all." Geographic Difference in Environmental Remediation Outreach*

- 4:25** Tiana Fain*, California State University - Long Beach; *Desert Space, Place, & Art: Site-Specific Art Installations in California Desert Communities*

Saturday-060-3:05 p.m. Towards a Geospatial Neurourbanism (Sponsored by Health and Medical Geography Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Marco Helbich, Utrecht University; Agnieszka Olszewska-Guizzo, NeuroLandscape

CHAIR: Agnieszka Olszewska-Guizzo, NeuroLandscape

- 3:05** Agnieszka Olszewska-Guizzo*, NeuroLandscape; Agnieszka Chadala, NeuroLandscape; Theophrastos Mantadelis, NeuroLandscape; *Evidence-Based Urban Health Geography: Opportunities and Limitations of Neurourbanism Research.*

- 3:25** Aleem Mahabir*, University of the West Indies - Mona; *A Missing Link in Development Discourse: Examining the Psychosocial Geographies of Hope and Exclusion in Beetham Gardens, Port of Spain, Trinidad*

- 3:45** Theofrastos Mantadelis*, NeuroLandscape; Agnieszka Olszewska-Guizzo, NeuroLandscape; *CLASS: Artificial Intelligence for improving landscapes*

Saturday-061-3:05 p.m. Transformation as an Adaptive Response to Climate Change: Drivers, Processes and Outcomes (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Amit Tubi, Hebrew University; Robin Leichenko, Rutgers University

CHAIR: Amit Tubi, Hebrew University

- 3:05** Michelle Ritchie*, Ph.D. Candidate, Pennsylvania State University; *Transformative Climate Change Adaptation: Lessons from a Systematic Review*

- 3:25** Amit Tubi*, Hebrew University; *Transformational change in relation to drought: Lessons from a transformed country*

- 3:45** Samuel Geldin*, University of Pennsylvania; *Transformations of, for, and by Flood Governance in the Philippines: Evaluating the Transformative Capacity of Policies and Projects in East Bank Manggahan*

- 4:05** William Solecki*, Hunter College; *The Transformative Capacity of Cities*

- 4:25** Karen O'Brien*, University of Oslo; Robin Leichenko*, Rutgers University; *Teaching transformation: Towards an integrative understanding of climate and society*

Saturday-062-3:05 p.m. Remote Sensing in Mountain and Forested Landscapes

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Matthew Marsik, Geographical Sciences

- 3:05** David Gibbs*, World Resources Institute; *Comparison of nationally reported emissions data from tree cover loss and independent data for Brazil*

- 3:25** Jeffrey Colby*, Appalachian State University; Michael Bishop, Texas A&M University; *A Review of Topographic Correction Methods for Multispectral Image Normalization in Mountain Environments*

- 3:45** Michael P. Bishop*, Texas A & M University; Brennan W. Young, Texas A & M University; Jeffrey D. Colby, Appalachian State University; *Understanding Mountain Topographic Complexity in Optical Remote Sensing*

- 4:05** Mohammad Mehedy Hassan*, University of Florida; *Monitoring land cover change in mangrove forest frontiers between Bangladesh and India*

- 4:25** Matthew Marsik*, Department of Geography, University of Florida; Caroline Staub, International Programs, Institute

SATURDAY April 6 • 3:05 PM - 4:45 PM

of Food and Agricultural Sciences, University of Florida; William Kleindl, Department of Land Resources and Environmental Sciences, Montana State University; Jaclyn Hall, Health Outcomes and Biomedical Informatics, University of Florida; Chiung-Shiuan Fu, Department of Geography, University of Florida; Di Yang, Department of Geography, University of Florida; Forrest Stevens, Department of Geography and Geosciences, University of Louisville; Michael Binford, Department of Geography, University of Florida & U.S. National Science Foundation; *Regional-scale management maps for forested areas of the Southeastern United States and the US Pacific Northwest*

Saturday-063-3:05 p.m. Climate Change: Discourses, Policies, and Responses

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Rebecca Froese

- 3:05** Derek Bennett Skinner*, Southern African Geography Teachers Association; *Evidence from the natural environment that global warming is a reality*
- 3:25** Jean Rodriguez De Francisco*, German Development Institute/Deutsches Institut für Entwicklungspolitik (DIE); Carmen Richerzhagen, German Development Institute/Deutsches Institut für Entwicklungspolitik (DIE); *Ecosystem-based adaptation projects, more than just adaptation: Analysis of social benefits and costs in Colombia*
- 3:45** Derong Kong*, Tsinghua University; *Climate adaptability of vernacular buildings in complex terrain in Southwest China*
- 4:05** Mary Brown*, East Carolina University; Rosana Nieto Ferreira, East Carolina University; Thomas M Rickenbach, East Carolina University; *WRF Simulations of the Onset of the 2009 Convective Season in the Southeastern United States*
- 4:25** Rebecca Froese*, Peace Academy Rhineland-Palatinate, University of Koblenz Landau, Germany; Institute of Geography, Research Group Climate Change and Security (CLISEC), University of Hamburg, Germany; Janpeter Schilling, Institute for Environmental Sciences, Research Group Landuse Conflicts, University of Koblenz Landau, Germany; Peace Academy Rhineland-Palatinate, University of Koblenz Landau, Landau, Germany; Jürgen Scheffran, Institute of Geography, Research Group Climate Change and Security (CLISEC), University of Hamburg, Hamburg, Germany; *The rise of academic networks - A chance to reshape governance processes in climate-resilient urban development in Ecuador?*

Saturday-064-3:05 p.m. Anarchist Geographies and the Epistemologies of the State 2 (Sponsored by Political Geography Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Geronimo Barrera

CHAIR: Geronimo Barrera

- 3:05** Joshua Mullenite*, Wagner College; *Revitalizing Anarchist Anthropology: Critical Anthropology, Geography, and Theory Beyond the State Form*

- 3:25** ALEXANDRA LAMINA*, *The affective power of planning: Governing indigenous grabbed lands in the Ecuadorian Amazon region*
- 3:45** Paola Andrea Sánchez Castaneda*, Florida International University; *Memory in Sacred Places: The Re-Indigenization Process of the Muisca Community*
- 4:05** Ryan Thomson*, UF Department of Sociology & Criminology; *Blockading Hamburg: Green Anarchism vs the G20*
- 4:25** **Discussant(s)**: Francisco Toro, Universidad de Granada - España

Saturday-065-3:05 p.m. Fluvial Forms and Processes III (Sponsored by Geomorphology Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Kory Konsoer, Louisiana State University; Inci Guneralp, Texas A&M University; Quinn Lewis, University of Illinois

CHAIR: Kory Konsoer, Louisiana State University

- 3:05** James T. Dietrich*, Ph.D., University of Northern Iowa; Amy S. Woodget, Ph.D., Loughborough University; *Bathymetric Change Detection from the Air*
- 3:25** Quinn Lewis*, PhD, Department of Earth and Atmospheric Sciences, Indiana University; Kory Konsoer, PhD, Department of Geography and Anthropology, Louisiana State University; *Assessing the Hydrodynamic and Geomorphic Impacts of Wood in Rivers through Surface Velocity Measurements*
- 3:45** Inci Guneralp*, Texas A&M University; Billy Hales, Texas A&M University; *Long-term evolution of geomorphic and woody vegetation patterns in meandering rivers of lowland landscapes*
- 4:05** Erienne Davis*, Western Illinois University; *Analysis of Streambank Erosion in Low Order Streams Using Terrestrial LiDAR Data*
- 4:25** Douglas Faulkner*, University of Wisconsin-Eau Claire; Phillip Larson, Minnesota State University, Mankato; Hannah Adams, Missouri State University; Kira Kuehl, Minnesota State University, Mankato; Zach Hilgendorf, Arizona State University; Harry Jol, University of Wisconsin-Eau Claire; Garry Running, University of Wisconsin-Eau Claire; *The Chippewa River: Paragon of a Paraglacial Fluvial System*

Saturday-066-3:05 p.m. GIScience in the Post-Truth Era II

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Bo Zhao, Oregon State University; Ling Bian, SUNY-Buffalo

CHAIR: Bo Zhao, Oregon State University

- 3:05** Drew Bush*, McGill University; Jin Xing, Newcastle University; Renee Sieber, McGill University; *Twitter, Trump, and Climate Change: Examining the Big Data of Pubic Opinion Online*
- 3:25** Monica Stephens*, Assistant Professor, University At Buffalo; Denise Lillvis, University at Buffalo; *Vaccine (mis) information across the land: comparing state legislation and the geographies of Twitter follower networks*
- 3:45** XIANG ZHANG*, Wuhan University (Employed), University of Washington (Visiting); *Data quality and spoofing in OpenStreetMap: A short review of validation methods, case study and myths*

SATURDAY, April 6 • 3:05 PM - 4:45 PM

4:05 Bo Zhao*, Oregon State University; *Spoofing in Geography: Can we trust Artificial Intelligence to manage geospatial data?*

4:25 Discussant(s): Daniel Sui, Professor, University of Arkansas

Saturday-067-3:05 p.m. Post-Capitalist Possibilities for (and despite) a Scarred Earth: Energy, Democracy, Technology (Sponsored by Socialist and Critical Geography Specialty Group, Energy and Environment Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Jesse Goldstein, Virginia Commonwealth University; Laurel Mei-Singh, Princeton University

CHAIR: Laurel Mei-Singh, Princeton University

3:05 Matthew Burke*, McGill University; *Counter-narratives of energy democracy*

3:25 Nathan Thayer*, University of Delaware; *Reclaiming the Mountain: From Consumptive Production to the Productive Consumption of West Virginia*

3:45 Andrew Schuldt*, University of British Columbia; *Hydroelectrification and the (Re)production of Power in Ontario 1902-1912*

4:05 Holly Jean Buck*, UCLA; *Carbon removal beyond capitalism*

4:25 Discussant(s): Jesse Goldstein, Dr., Virginia Commonwealth University

Saturday-068-3:05 p.m. Forum: Celebrating Diversity in Geography (Sponsored by Careers and Professional Development, Disability Specialty Group, Sexuality and Space Specialty Group, Indigenous Peoples Specialty Group, Graduate Student Affinity Group)

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers; Coline Dony; Jolene Keen, American Association of Geographers

CHAIR: Darryl Cohen, U.S. Census Bureau

Discussant(s): Douglas Allen, Florida State University; Rae Rosenberg; Renee Louis, Associate Researcher, Institute of Policy and Social Research

Saturday-069-3:05 p.m. W4_2 Preparing Students for 21st Century Careers in Geography (Sponsored by Careers and Professional Development, Esri)

Room: Wilson B, Marriott, Mezzanine Level (Workshop)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Mark Revell, American Association of Geographers; Joseph Kerski, Esri

CHAIR: Michael Solem, National Center for Research in Geography Education

3:05 Discussant(s): Michael Solem, Co-Director, National Center for Research in Geography Education

3:55 Discussant(s): Joseph Kerski, Geographer, Esri

Saturday-070-3:05 p.m. Speed-Dating with an NSF Program Officer 2 (Sponsored by Careers and Professional Development)

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Antoinette WinklerPrins, National Science Foundation; Jacqueline Vadjunec, Oklahoma State University

CHAIR: Jacqueline Vadjunec, Oklahoma State University

Saturday-072-3:05 p.m. Coastal and Aeolian Geomorphology IV: Aeolian Processes and Landforms (Sponsored by Coastal and Marine Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Mayra Roman Rivera, University of South Carolina; Peter Tereszkievicz, University of South Carolina

CHAIR: Mayra Roman Rivera, University of South Carolina

3:05 Christy Swann*, U.S. Naval Research Laboratory; Douglas J Sherman, PhD, University of Alabama; Ryan C Ewing, PhD, Texas A&M University; *New Thresholds Predict Frequent Aeolian Transport on Mars*

3:25 Steven Namikas*, Louisiana State University; Xuelian Meng, Louisiana State University; Nan Shang, Louisiana State University; Yaping Xu, Louisiana State University; Hui Sheng, Louisiana State University; *Development of a UAV-mounted remote sensing system for mapping of beach surface moisture at intermediate scales*

3:45 Paul Gares*, East Carolina University; Thad Wasklewicz, East Carolina University; Patrick A Hesp, Flinders University; Ian J Walker, Arizona State University; *Blowout development and expansion and the implications for coastal bio-geomorphic change.*

4:05 Pei Zhang*, Douglas Sherman, The University of Alabama; Bailiang Li, Xi'an Jiaotong-Liverpool University; Jean Ellis, University of South Carolina; Eugene Farrell, National University of Ireland Galway; *The characteristics about aeolian ripple migration and shear velocity on the sand surface*

Saturday-073-3:05 p.m. America in the Middle East: Querying Geographical Knowledge Production on MENA (Sponsored by Socialist and Critical Geography Specialty Group, Middle East Specialty Group)

Room: Stones Throw 2, Marriott, Mezzanine Level (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Danya Al-Saleh, University of Wisconsin; Lisa Bhungalia, Kent State University

CHAIR: Lisa Bhungalia, Kent State University

Introduction(s): Lisa Bhungalia, Kent State University

Panelist(s): Zahra Khalid, University of California - Berkeley; Danya Al-Saleh, University of Wisconsin; Ali Hamdan, Student, UCLA

Discussant(s): Mona Atia, George Washington University

Saturday-074-3:05 p.m. Exploring Issues in Food Insecurity on College Campuses: Part 1 (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Courtney Gallaher, Northern Illinois University

CHAIR: Courtney Gallaher, Northern Illinois University

3:05 Elizabeth Castner*, UC Davis Geography Graduate Group; Gwyneth Manser*, UC Davis Geography Graduate Group; Angela M. Chapman, Geography Graduate Group, University of California, Davis; *Student Food Insecurity at the University of California, Davis: Using Design Thinking to Generate Creative Solutions*

3:25 Aileen Profrir*, South Dakota State University; *Access Denied! The need to re-evaluate our definition of accessibility as a measure of food insecurity in Sioux Falls, South Dakota.*

SATURDAY April 6 • 3:05 PM - 4:45 PM

3:45 Gina K. Thornburg*, PhD, Independent Scholar-Activist; *Emergency Food on Campus: A Comparison of Food Pantries across Three L.A. Campuses*

4:05 Courtney Gallaher*, Assistant Professor, Northern Illinois University; Kristen Borre, PhD, Northern Illinois University; *Measuring Food Insecurity Across Diverse College Student Populations at Northern Illinois University*

4:25 Kristen Borre*, Courtney Gallaher, Northern Illinois University; *"ME, hungry? I'm not starving! Others are worse off than me." Constructing the Concept of Food Security on College Campuses*

Saturday-080-3:05 p.m. Cultural Geographies Annual Lecture (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group, Qualitative Research Specialty Group)

Room: Palladian, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Dydia DeLyser, California State University, Fullerton; Anna Secor, University of Kentucky

CHAIR: Dydia DeLyser, California State University, Fullerton

3:05 Introduction(s): Dydia DeLyser, Assistant Professor, California State University, Fullerton

3:15 Harriet Hawkins*, Royal Holloway, University of London; *Going Underground: Creating Subterranean Imaginations*

4:05 Discussant(s): Dydia DeLyser, Assistant Professor, California State University, Fullerton

Saturday-081-3:05 p.m. Cities and Networks III: Social & Political Networks

Room: Diplomat Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Zachary Neal, Michigan State University; Celine Rozenblat, Université De Lausanne

CHAIR: Zachary Neal, Michigan State University

3:05 Caleb Gallemore*, Ph.D., Lafayette College; Arno Kourula, Ph.D., University of Amsterdam; Kristjan Jespersen, Ph.D., Copenhagen Business School; Roy Suddaby, Ph.D., University of Victoria; *Spatial Capital and the Agglomeration of Governance in the Transnational REDD+ Field*

3:25 Margaret Bartholomew*, London School of Economics and Political Science; Alasdair Jones, Dr, London School of Economics and Political Science; *Ties through place: a review and synthesis of socio-material network analyses*

3:45 Kathryn Anderson*, University of Houston; Joseph Galaskiewicz*, University of Arizona; Kendra Thompson-Dyck, University of Arizona; *Racial/Ethnic Residential Segregation and Urban Spatial Networks: An Analysis of Children's Leisure Time Activities in the Phoenix Area*

4:05 Susan Burtner*, University of California, Santa Barbara; Alan Murray, Professor, University of California, Santa Barbara; *Social Mobility and Segregation Examined through Networked Behavior*

4:25 Sara S Metcalf*, PhD, University at Buffalo (SUNY); Harvey D Palmer, PhD, University at Buffalo (SUNY); Qiuyi Zhang, University at Buffalo (SUNY); Mary E Northridge, PhD, MPH, NYU Langone; *Modeling Dissemination of Health Information and Beliefs in Urban Social Networks*

Saturday-082-3:05 p.m. Addressing Inequalities in the Sustainable Development Agenda: Case Studies from Africa (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group)

Room: Directors Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Andrea Rishworth, University of Waterloo

CHAIR: Andrea Rishworth, University of Waterloo

3:05 Roeland Hemsteede*, University of Dundee; *Pay to play? Power Relations in Malawi's Social Cash Transfer Programme*

3:25 Michael Acheampong*, University of South Florida; Fenda A. Akiwumi, University of South Florida; *Oil extraction and fisherfolk: Does Sustainable Development Goal (SDG) Number One stand a chance in Ghana's oil region?*

3:45 Tamee Albrecht*, University of Arizona - Geography & Development; Tihitina Andarge, University of Maryland, College Park - Department of Agricultural and Resource Economics; Elise Harrington, Massachusetts Institute of Technology - Department of Urban Studies and Planning; Tejasvi Hora, University of Waterloo - Civil and Environmental Engineering; Andrea Lund*, Enter an organization; Rebecca Wall, Stanford University - Department of History; *River management for sustainable development on the Senegal River: integrating historical and hydrologic analysis of trade-offs between health and food, energy, and water resources*

4:05 Jana Brady*, Southern Connecticut State University; *Cultural Heritage Tourism and Sustainable Development: White-Washing South Africa's Dark History with Wine*

4:25 Alex Orenstein*, Action Against Hunger; *Fast maps and slow responses: Tracking and mitigating drought in the West African Sahel*

Saturday-083-3:05 p.m. Legacies of Struggle

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Luca Muscarà, Università del Molise

3:05 Jill Brooks*, University of Vermont; Alison Adams, PhD Student, Rubenstein School of Natural Resources, University of Vermont; Rachelle Gould, Assistant Professor, Rubenstein School of Natural Resources, University of Vermont; *Access to Blue Space in Postcolonial Hawai'i Island*

3:25 Danielle Lucero*, Arizona State University; *Cartographies of Struggle: Indigenous Embodiment and the Displacement of Knowledge*

3:45 Sandra Nichols*, Society of Woman Geographers; *Alexander von Humboldt: from 1802 to the Anthropocene*

4:05 Luca Muscarà*, Università del Molise; *David Lowenthal's Past and our Foreign Present*

SATURDAY, April 6 • 3:05 PM - 4:45 PM**Saturday-084-3:05 p.m. Leveraging Crowdsourcing and Citizen Science to Produce Volunteer Geographic Information for Hazard Science, Disaster Research, and Emergency Management**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Sophia Liu, U.S. Geological Survey

CHAIR: Sophia Liu, U.S. Geological Survey

Saturday-086-3:05 p.m. Sustainable Urbanization: Challenges and Opportunities (IV) (Sponsored by China Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Yuyu Zhou, Iowa State University; Bailang Yu, East China Normal University; Wenze Yue, Zhejiang University

CHAIR: Wenze Yue, Zhejiang University

3:05 XUE LIU*, Zhejiang University; Yuyu Zhou, Iowa State University; Wenze Yue, Zhejiang University; *Impacts of land cover pattern on urban thermal environment*

3:25 Qun Zhang*, Hanmei Wang, Shanghai Institute of geological survey; Wei Zhang, Shanghai Institute of geological survey; *Evaluation on rationality of land use from structure efficiency and spatial equilibrium perspectives —A Case Study of Shanghai*

3:45 Tianyu Wang*, Zhejiang University; Wenze Yue, Zhejiang University; *Does urban form matter to CO2 emissions? —An empirical study from 157 China mega cities*

4:05 Liu Zhaojing*, East China Normal University; Ye Chao, East China Normal University; *Spatial production and governance of urban agglomeration in China 2000-2015: Yangtze River Delta as a case*

4:25 Brandon Finn*, Harvard University; *Extractive African Urbanization: Copperbelt Urbanization and Artisanal Mining in Global Perspective*

University of British Columbia; Robert Kozak, Forest Resources Management, Faculty of Forestry, University of British Columbia; *The roles of trust and knowledge in shaping support for emerging climate adaptation policies in forests*

4:25 Emma Lord*, *Complex Global Framings for Landscape Centered REDD+*

Saturday-088-3:05 p.m. What's in a Name? Rethinking the Branding of Geography for Undergraduates (Sponsored by Geography Education Specialty Group)

Room: Cabinet Room, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Justin Stoler, University of Miami

CHAIR: Justin Stoler, University of Miami

Introduction(s): Justin Stoler, Associate Professor, University of Miami

Discussant(s): Kate Swanson, San Diego State University; Amber Pearson, Asst Professor, Michigan State University; Gary Schnakenberg, Instructor/Academic Advisor, Michigan State University; Dominique Cagalan, Dr., Coastal Carolina University; Diana Ter-Ghazaryan, Dr.

Saturday-089-3:05 p.m. Spatial Organisation in and beyond Protest Camps

Room: Council Room, Omni, West (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Fabian Frenzel, University of Leicester; Sam Halvorsen, Queen Mary University of London

CHAIR: Fabian Frenzel, University of Leicester

Panelist(s): Sam Halvorsen, Queen Mary University of London; Fabian Frenzel, Dr, University of Leicester; Bernardo Fernandes, Professor, Sao Paulo State University - UNESP

Saturday-087-3:05 p.m. Climate Change: Effects and Adaptations

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Emma Lord

3:05 Shenika McFarlane-Morris*, Church Teachers' College; Nicole Dean-Perkins, Shortwood Teachers' College; *"Putting the Pieces Back Together" Resilience against Climate Change among Business Operators in Coastal Jamaica*

3:25 Kiana London*, Serin Houston*, Mount Holyoke College; *Ethical Considerations and Embodied Emotions: Insights From An Inaccessible Fieldsite*

3:45 Saleh Ahmed*, University of Arizona; *Understanding the Complexity of Using Climate Information in Agriculture Decision-Making: Insights from coastal Bangladesh*

4:05 Guillaume Peterson St-Laurent*, Forest Resources Management, Faculty of Forestry, University of British Columbia; Shannon Hagerman, Forest Resources Management, Faculty of Forestry, University of British Columbia; Kieran M. Findlater, Forest Resources Management, Faculty of Forestry,

Saturday-090-3:05 p.m. Tourism Analytics: Social Media, Spatially Distributed Data and Data Mining in Tourism Research 2 (Sponsored by Recreation, Tourism, and Sport Specialty Group, Media and Communication Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Andrei Kirilenko, University of Florida

CHAIR: Andrei Kirilenko, University of Florida

3:05 Eunjung Yang*, University of Florida; Jinwon Kim, University of Florida; *Measuring community resilience to natural hazards in Florida, USA.*

3:25 Yi Wang*, East China Normal University; Shan Li, East China Normal University; *The Appropriate Scale of the Tourism Circle Based on Spatial Measurement*

3:45 Shihan Ma*, University of Florida; *Spatial Movement and Travel Network in Astro-tourism: Evidence from Social Media during 2017 Eclipse*

4:05 Lijuan Su*, Dept. of Tourism, Recreation, and Sport Management, University of Florida; Svetlana Stepchenkova, Dept. of Tourism, Recreation, and Sport Management, University of Florida; Andrei P Kirilenko, Dept. of Tourism, Recreation, and Sport Management, University of Florida; *How Citizens Utilize In-State Recreation Resources: A Geographically Weighted Regression Analysis of Floridian's TripAdvisor Reviews*

SATURDAY April 6 • 3:05 PM - 4:45 PM

- 4:25** Liangfeng Zhang*, East China Normal University; Shan Li, East China Normal University; *Evaluation of tourism climate comfort in China*

Saturday-091-3:05 p.m. Symposium on Human Dynamics Research in the Age of Smart/Intelligent Systems: Sensing Human Dynamics for Smart Urban Functions

Room: Congressional B, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Zhixiang FANG, Wuhan University; Wei Tu, Shenzhen University; Ran Tao, University of South Florida

CHAIR: Zhixiang FANG, Wuhan University

- 3:05** Wei Tu*, Shenzhen University; Tianhong Zhao, Shenzhen University; Paolo Santi, Massachusetts Institute of Technology; Carlo Ratti, Massachusetts Institute of Technology; Qingquan Li, Shenzhen University; *Quantifying the Electrification of Shared Urban Mobility Using Massive GPS Trajectories*

- 3:25** Meng Huang, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430079, China; Zhixiang FANG*, Wuhan University; Shili Xiong, Department of Advertising, University of Illinois Urban-Champaign, Urbana, United States; Bisheng Yang, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430079, China; *Interest-driven outdoor advertise locating using mobile phone data*

- 3:45** Guo-jun Peng*, Department of Geography, University of Tennessee, Knoxville, TN37996; Cheng-Rui Li, Department of Computational Biology, Wu Yuzhang Honors College, Sichuan University, Chengdu, China, 610065; Shih-Lung Shaw, Department of Geography, University of Tennessee, Knoxville, TN37996; *Analysis on Ship Officer's Spatial Perceptual Ability of Ship Moving Trend Situation*

- 4:05** Gengen He*, University of Nottingham Ningbo China; Jingjing Yan, University of Nottingham Ningbo China; Amir Ahmadi, Savannah College of Arts and Design; Ana Basiri, University College London; Shih-Lung Shaw, University of Tennessee; *Interactive environmental anchor creation and decision point ranking system for smart cities*

- 4:25** Ran Tao*, University of South Florida; Jean-Claude Thill, University of North Carolina at Charlotte; *Detecting Intracity Travel Patterns with flow cross K-function*

Saturday-092-3:05 p.m. Geographies of Islamophobia and Political Mobilization against Islamophobia 1

Room: Empire Room, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Anna Mansson McGinty, University of Wisconsin - Milwaukee; Kristin Sziarto, University of Wisconsin - Milwaukee

CHAIR: Anna Mansson McGinty, University of Wisconsin - Milwaukee

- 3:05** Thierno Diallo*, Western Sydney University; Kevin Dunn, Western Sydney University; Rachel Sharples, Western Sydney University; *Islamophobia. An appropriate concept for understanding and confronting the racialisation of religion*

- 3:25** Ipsita Chatterjee*, University of North Texas; *The Muslim: Islamophobia as Disembodiment*

- 3:45** Vincent Artman*, Miami University, Ohio; *"Take Pride in Our Culture": The Idea of "the West" and the Imagined Geographies of Islamophobia and the "Counter-Jihad Movement"*

- 4:05** Lily Herbert*, University of North Carolina - Chapel Hill; *Mapping Hate Crime Reporting and Legislation: A Multiscalar Perspective on the Spatiality of Islamophobia*

- 4:25 Discussant(s):** Peter Hopkins, Newcastle University

Saturday-093-3:05 p.m. Planning in Theory, Theory in Planning 2

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Phil Jones, University of Birmingham; Charles Corwin; Emmanuel Frimpong Boamah, SUNY - Buffalo

CHAIR: Charles Corwin

- 3:05** Emmanuel Frimpong Boamah*, SUNY - Buffalo; *Planning the Postcolony: Deconstructing the Institutions of Planning in Ghana*

- 3:25** Claire Tollis*, Transport, Mobility & City Research Unit; Alain L'HOSTIS, Transport, Mobility & City Research Unit; *Can a "scholar-mobilizer" approach significantly contribute to implementing the mobility transition? An experiment with Loos-en-Gohelle inhabitants (Northern France).*

- 3:45** Neville Mars*, Director, Dynamic City Foundation, Shanghai; *Fostering Divergent Urban Evolution in China*

- 4:05** Jouni Hakli*, Tampere University; Kirsi P Kallio, Tampere University; Olli Ruokolainen, Tampere University; *A missing citizen? Issue-based citizenship in city-regional planning*

- 4:25** Laura Lieto*, Federico II University; *Engaging things in planning regulation*

Saturday-095-3:05 p.m. Emerging industries: Institutions, Legitimacy and System Building 2 (Sponsored by Economic Geography Specialty Group)

Room: Blue Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Christian Binz, EAWAG; Robert Hassink, Kiel University; Huiwen Gong

CHAIR: Michaela Trippel, University of Vienna

- 3:05** Jonas Heiberg, Eawag; Swiss Federal Institute of Aquatic Science and Technology; Bernhard Truffer, Utrecht University; Christian Binz*, EAWAG; *The geography of legitimacy formation in emerging industries - mapping global discourse coalitions in the modular water technology industry*

- 3:25** Zhen Yu*, Tsinghua University; Zheng Liang, Tsinghua University; *Cross the river by feeling the stones again? The co-evolution of China's data governance and the emerging artificial intelligence industry*

- 3:45** Samuel Mössner*, Münster University; *Postgrowth economies: Paradoxical regional dynamics as challenges for spatial sciences*

- 4:05** Lea Fünfschilling, Lund University; Simon Baumgartinger-Seiringer*, University of Vienna; Johan Miörner, Lund University; Michaela Trippel, University of Vienna; *Institutional infrastructure for innovation-based industrial path transformation*

- 4:25 Discussant(s):** Robert Hassink, Kiel University

SATURDAY, April 6 • 3:05 PM - 4:45 PM

Saturday-097-3:05 p.m. FOIA (Freedom of Information Act) requests as Method in Critical Migration Research: Politics, Challenges, Implications (Sponsored by Political Geography Specialty Group, Legal Geography Specialty Group)

Room: Capital Room, Omni, East (Panel)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Deirdre Conlon, University of Leeds

CHAIR: Lauren Martin, Durham University

Introduction(s): Lauren Martin, Durham University

Panelist(s): Jill Williams, Associate Research Social Scientist, University of Arizona; Geoffrey Boyce, University of Arizona; Sarah Hughes, Dr, University of Durham; Austin Kocher, Dr.; Deirdre Conlon, Lecturer/Asst Professor, University of Leeds

Saturday-098-3:05 p.m. Historical Geographies of the

Interwar: beyond 1919 (1)

Room: Embassy Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Benjamin Thorpe, University of Nottingham; Stephen Legg, University of Nottingham; Michael Heffernan, University of Nottingham

CHAIR: Benjamin Thorpe, University of Nottingham

3:05 Stephen Legg*, University of Nottingham; *The Constitutional Commemoration of an Interwar Decade: Debating the 1919 Government of India Act at the Round Table Conference of 1930-32*

3:25 Ishan Ashutosh*, Indiana University; *Between Tradition and Modernity: India's Emergence in American Scholarship in the Interwar Period*

3:45 Sneha Krishnan*, University of Oxford; *Before the Nation-State: Christian Internationalism and the Inter-War Years*

4:05 Robert Fletcher*, University of Warwick; *The 'Tribal Frontier' of the Interwar Empires*

4:25 Amy Mills*, University of South Carolina; *Locating Post-Imperial Istanbul: British, Greek, and Turkish Imagined Geographies*

Saturday-099-3:05 p.m. Extended Urbanization 2: Movements

Room: Hampton Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Christian Schmid, ETH Zurich; Nikolaos Katsikis

CHAIR: Nikolaos Katsikis

3:05 Introduction(s): Nitin Bathla, ETH Zurich

3:25 Lindsay Blair Howe*, Dr., ETH Zurich; *Conceiving Territories of Inequality: Working from the outside to the inside in Johannesburg*

3:45 Alice Hertzog*, Swiss Federal Institute of Technology, Zurich; *En route! Migration and urban development along the Lagos – Abidjan corridor*

4:05 Metaxia Markaki*, ETH Zurich; *ARCADIA. An alternate portrait of a depopulating urban periphery.*

4:25 Discussant(s): Abdou Maliq Simone

Saturday-100-3:05 p.m. The City in Latin America 01 (Sponsored by Urban Geography Specialty Group, Latin America Specialty Group, Regional Development and Planning Specialty Group)

Room: Calvert Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL; Betty Smith, Eastern Illinois University

CHAIR: Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL

3:05 Juan Demerutis Arenas*, UNIVERSITY OF GUADALAJARA; *Metropolitan Governance in Mexico: The Institutions*

3:25 Rodrigo Caimanque Leverone*, University College London; *The politics of urban regeneration: coalitions and shifting power relations around Valparaíso's city waterfront*

3:45 Joel Outtes*, UFRGS-UNIV FED RIO GDE DO SUL; *The Birth of Vilas de Malocas (Shantytowns) in Porto Alegre-RS, Brazil, in the Early 1950s.*

4:05 Marcela Gonzalez Rivas*, University of Pittsburgh; *The Perils and Promise of Sustainable Water Management Reform: Lessons from Mexico City*

4:25 Discussant(s): Joel Outtes, UFRGS-UNIV FED RIO GDE DO SUL

Saturday-101-3:05 p.m. Adoption of Conservation Practices in Agri-Environmental Governance: Social, Institutional, and Biophysical Factors of Participation 2 (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Landon Yoder, Indiana University; Martin Delaroché, Indiana University

CHAIR: Kira Sullivan-Wiley, IBES

3:05 Daniel Beene*, University of New Mexico; *Adjudication and the Adaptive Capacity of Pecan Farmers in the Lower Rio Grande*

3:25 Joanna Ory*, UC Berkeley; *Promoting Soil Health Innovations: Barriers, Motivations, and Enabling Conditions*

3:45 Morey Burnham*, Idaho State University; Chloe Wardropper, University of Idaho; Garry Sotnik, Idaho State University; *Farmer (mal)adaptation to reduced groundwater availability: When do adaptations mediate or exacerbate vulnerabilities to water shortages?*

4:05 Jaime Barrett*, University of Delaware; *Dueling Conservation Perspectives?: Agricultural conservation, local knowledge and information networks throughout the Delmarva Peninsula*

4:25 Leah Bremer*, University of Hawai'i at Mānoa; Kate Brauman, University of Minnesota; Perrine Hamel, The Natural Capital Project, Stanford University; Alex Ponette-Gonzalez, University of North Texas; *Who are we measuring and modeling for? Supporting multi-level planning and decision-making in real-world payment for watershed services.*

Saturday-102-3:05 p.m. Geographies of Responsibility I (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Political Geography Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Brian King, Pennsylvania State University; Vincent Del Casino, University of Arizona

SATURDAY April 6 • 3:05 PM - 4:45 PM

CHAIR: Brian King, Pennsylvania State University

3:05 Introduction(s): Brian King, Associate Professor, Pennsylvania State University

3:10 Brian King*, Pennsylvania State University; *HIV Responsibilization: Stigma, Disclosure, and Care in the Age of 90-90-90*

3:25 Margaret Wilson*, University of Washington; *Mental health care and the politics of responsibility in humanitarian emergencies*

3:45 Nida Rehman*, University of Cambridge; *From Fractured Publics to Shared Responses: Rethinking Environmental Responsibility through Human-Mosquito Entanglements*

4:05 Carly Nichols*, University of Arizona - Geography & Development; *The Body-Mass-Index as a shifting technology of responsabilization*

4:25 William McKeithen*, University of Washington; *Right, Responsibility, and the Administrative Violence of Prison Healthcare*

Saturday-103-3:05 p.m. Geographies of Media IV:

Contemporary Issues with the Press (Sponsored by Media and Communication Geography Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 3:05 p.m. - 4:45 p.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

CHAIR: Emily Fekete, American Association of Geographers

3:05 Chris Collinge*, Birmingham University; *Fake or fortune? negotiations of the truth in recent governmental investigations of propaganda*

3:25 Sungmin Jang*, University of Connecticut; *Analysis of ordering of geographical referents in U.S. newspapers: the case of North Korea and South Korea.*

3:45 Mariya Pak*, ERA Institute; Filippo Menga, University of Reading; *Media in International Relations: Examining State-run Media Outlets of Central Asia*

4:05 Paris Marx*, McGill University; Kevin Manaugh, McGill University; *The reaction to micromobility in San Francisco: a media discourse analysis*

SATURDAY April 6 • 5:00 PM - 6:40 PM

Saturday-001-5:00 p.m. Technologies of Consumption and Urban Geographies of Difference (Sponsored by Digital Geographies Specialty Group)

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jacob Miller, Northumbria University

CHAIR: Jacob Miller, Northumbria University

Saturday-003-5:00 p.m. State, Local and/or Global Production Networks (Sponsored by Economic Geography Specialty Group)

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Godfrey Yeung, National University Of Singapore

CHAIR: William Graves, University of North Carolina - Charlotte

5:00 Tiago Roberto Alves Teixeira*, Syracuse University; *Aerospace MNCs and Variegated Forms of Corporate Capture in Regional Training Systems: São José dos Campos, Brazil, and Charleston, SC, U.S.A. in Perspective*

5:20 Rory Horner*, University of Manchester; *The state, local industrial development and market-seeking GPNs: the case of South Africa's pharmaceuticals*

5:40 William Graves*, University of North Carolina - Charlotte; *Upgrading Industrial Capacity in the Peripheral US: The Failure of Local Incentives Policy to Create a Southern Auto Production Network.*

6:00 Godfrey Yeung*, National University Of Singapore; *A reframing of firm-to-firm governance in the GPN*

6:20 Juha Kotilainen*, University of Eastern Finland; *The Making of Resource Regions: Understanding Multiple Agencies and Motivations*

Saturday-004-5:00 p.m. Outside the Wage III: Editorial Working Panel

Room: Maryland A, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Aman Luthra, Kalamazoo College; Christian Anderson, University of Washington Bothell

CHAIR: Jennifer Tucker, University of New Mexico

Panelist(s): Aman Luthra, Assistant Professor, Kalamazoo College; William Monteith, Dr., Queen Mary University of London; Kathryn Wells, Dr., Georgetown University; Christian Anderson, Assistant Professor, University of Washington Bothell

Discussant(s): Rachel Goffe, CUNY GC

Saturday-005-5:00 p.m. Tourism, Identity and Home (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jillian Rickly, University of Nottingham

CHAIR: Ines Miyares, Hunter College

5:00 Ines Miyares*, Hunter College; *Representations of "Race" and "Space" on Hawaii's Tourism Landscape*

5:20 Mats Nilsson*, Karlstad University; *Destination Home*

5:40 Laura Matysek Wood*, Ph.D., Tarrant County College; Jason Clark-Miller, Ph.D., Tarrant County College; *Using Public Spaces to Teach Memorialization and Critical Thinking*

6:00 John Oswald*, Eastern Michigan University; *Cultural Resilience and Economic Prosperity: An Assessment of the Impacts of Globalization on the Amish Communities in Northern Indiana and North-Central Ohio.*

SATURDAY, April 6 • 5:00 PM - 6:40 PM**Saturday-006-5:00 p.m. Political Ecology, Agroecological Research, and Food Security in Southern Belize (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Joel Wainwright, The Ohio State University; Henry Peller, The Ohio State University

CHAIR: Joel Wainwright, The Ohio State University

5:00 Introduction(s): Joel Wainwright, Professor, The Ohio State University**5:20** Shiguo Jiang*, Assistant Professor, SUNY - Albany; Henry A. Peller, The Ohio State University; Joel D. Wainwright, The Ohio State University; *Dynamics of Maya Forest***5:40** Kristin Mercer*, Ohio State University; Henry Peller, Ohio State University; Lev Jardon-Barbolla, Universidad Nacional Autonoma de Mexico; Nydia Leon, Universidad Nacional Autonoma de Mexico; Joel Wainwright, Ohio State University; *In situ crop diversity: why evaluate it in diversity cold spots?***6:00** Henry Peller*, The Ohio State University; *Milpa ecology & peasant struggle in southern Belize***6:20** Patrick Cleary*, Joel Wainwright, Professor, The Ohio State University; Kareem Usher, PhD, The Ohio State University; *Changes in Indigenous Livelihoods in Aguacate, Belize***Saturday-007-5:00 p.m. Liquidity of Borders: Exploring Meanings and Effects of (non)Autonomy of Contemporary Migrations III (Sponsored by Political Geography Specialty Group, Legal Geography Specialty Group)**

Room: Virginia A, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Md Azmeary Ferdoush, University of Hawaii - Manoa; Borjana Lubura, University of Hawaii - Manoa

CHAIR: Borjana Lubura, University of Hawaii - Manoa

5:00 Jacob Chamberlain*, Clark University; *Human Rights and Migrant Labor Struggles in the Era of Deportation: Novel Approaches to Organizing in the Case of Migrant Justice***5:20** Lucia Caballero*, Dartmouth College; *Venezuelan Refugees in Colombia: "Emergency" Bodies and the Biopolitics of Border Control***5:40** Megan Ryburn*, London School of Economics; *Navigating borderlands: Negotiating transnational spaces of violence***6:00** Geoffrey Alan Boyce*, Earlham College; *Immigration Policing and the Politics of Time***6:20** Tiffany Grobelski*, *Production of subjectivities from within: Interactions at the asylum "contact zone"***Saturday-008-5:00 p.m. Author Meets Critics: Boats, Borders, and Bases: Race, the Cold War, and the Rise of Migration Detention in the United States by Jenna Loyd and Alison Mountz (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: Virginia B, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Patricia Ehrkamp, University of Kentucky

CHAIR: Patricia Ehrkamp, University of Kentucky

Introduction(s): Patricia Ehrkamp, Dr., University of Kentucky**Panelist(s):** Geraldine Pratt, University Of British Columbia; David Hernández, Mount Holyoke College; Mat Coleman, Ohio State University**Discussant(s):** Beverley Mullings, Dr., Queen's University; Jenna Loyd, Assistant Professor, University of Wisconsin-Madison; Alison Mountz, Professor, Wilfrid Laurier University**Saturday-009-5:00 p.m. History of Geography 2: Histories of Cartography (Sponsored by History of Geography Specialty Group)**

Room: Virginia C, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jorn Seemann, Ball State University

CHAIR: Christina Dando, University of Nebraska-Omaha

5:00 Judith Tyner*, California State Univ, Long Beach; *A WWII Network of Female Cartographers***5:20** Mark Monmonier*, Syracuse University; *Telegraphic Circuits and Atmospheric Cartography: Collection and Dissemination of Weather Data by the US Army Signal Service, June 1871***5:40** Patricia Seed*, University of California; *Magnetic Declination First Recognized on Maps of 1470s***6:00** Michele Abee*, University of North Carolina - Greensboro; *How Mercator's projection went bad***6:20** Jason VanHorn*, Associate Professor of Geography, Calvin College; *The Geo-Physical Six-Foot Physiographic Relief Globe***Saturday-010-5:00 p.m. Innovations in Teaching Qualitative Methods in Geography II (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Lise Nelson, Penn State University; Lorraine Dowler, Penn State University

CHAIR: Lise Nelson, Penn State University

Panelist(s): Meghan Cope, Professor, University of Vermont; Kayla Yurco, James Madison University; Robin Lewis, Assistant Professor of Environmental Studies, Hobart and William Smith Colleges; Adam Moore, Mr, UCLA; Kate Swanson, San Diego State University**Discussant(s):** Jamie Winders, Professor, Syracuse University**Saturday-012-5:00 p.m. Black Spatial Imaginaries and Place-Making Practices (Sponsored by Black Geographies Specialty Group)**

Room: 8201, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA

CHAIR: Aretina Hamilton, Georgia Gwinnett College - Lawrenceville, GA

5:00 Zaria El-Fil*, *"Free Within Ourselves": The Creation of Harlem's Black Spatial Reality and Imaginary During the Harlem Renaissance***5:20** Darius Scott*, University of North Carolina at Chapel Hill; *Mothers and Daughters: Intergenerational Narrations of Black Community in the Rural South*

SATURDAY April 6 • 5:00 PM - 6:40 PM

- 5:40 Douglas Allen*, Florida State University; *Black Geographies of Respite: Florida A&M University as a Space of Respite and Affirmative Black Sense of Place*
- 6:00 David Rotenstein*; *Washington's Black Borderlands: Spaces of Inclusion*

Saturday-016-5:00 p.m. Remaking the Hydrosocial Process: Shades of Fragmentation in Water Governance Regimes in Southern and Western China

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 5:00 p.m. - 6:40 p.m.
 ORGANIZER(S): Jean-François Rousseau; Sabrina Habich-Sobieggalla
 CHAIR: Jean-François Rousseau

- 5:00 Tianrong Pan*, Technical University of Munich, Bavarian School of Public Policy; "*Unsatisfied Water Quality Gambling*": *A Case of Eco-compensation Mechanism Over A Interprovincial River in China*
- 5:20 Sabrina Habich-Sobieggalla*, Freie Universität Berlin; *Freedom to choose: Governmentality, power and agency in China's dam resettlement*
- 5:40 Jean-François Rousseau*, University of Ottawa, School of International Development and Global Studies; *Blurring the lines of land, water, and green grabbing: Hydropower expansion and cascading livelihood impacts in Southwest China*
- 6:00 Yiqiang Xu*, Yunnan Normal University, Department of Sociology; *World Cultural Heritage site and after: Changes in traditional water worship and water governance in Hani societies from Southwest China*
- 6:20 **Discussant(s)**: Judith Shapiro, American University

Saturday-018-5:00 p.m. Critical Approaches to Disability Workshop: Part 3 Panel Discussion (Sponsored by Disability Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: 8212, Park Tower Suites, Marriott, Lobby Level (Panel)
 Time: 5:00 p.m. - 6:40 p.m.
 ORGANIZER(S): Sara Loftus, West Virginia University; Catherine Jampel, Clark University
 CHAIR: Sara Loftus, West Virginia University

Introduction(s): Catherine Jampel, Graduate Student, Clark University

Panelist(s): Aimi Hamraie, Vanderbilt University; Marcia England, Miami University; Courtney Donovan, Dr., San Francisco State University; Arrianna Marie Planey, University of Illinois; Sara Loftus, West Virginia University

Discussant(s): Catherine Jampel, Graduate Student, Clark University

Saturday-019-5:00 p.m. Differing Approaches to Teaching Eurasian Geography (Sponsored by Eurasian Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)
 Time: 5:00 p.m. - 6:40 p.m.
 ORGANIZER(S): Thomas Mueller, California University of Pennsylvania
 CHAIR:

Panelist(s): Ariel Otruba, Graduate Student, Rutgers University; Mikhail Blinnikov, Professor, St. Cloud State University; Jeremy Tasch, Towson University; Edward Holland, Assistant Professor, University of Arkansas; Lisa Millsaps, University of Northern Iowa; Thomas Mueller, Professor, California University of Pennsylvania

Introduction(s): Thomas Mueller, Professor, California University of Pennsylvania

Discussant(s): Thomas Mueller, Professor, California University of Pennsylvania

Saturday-020-5:00 p.m. Social, Economic, and Environmental Transformations Around China's Largest Freshwater Lake and Sustainability

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Qing Tian, George Mason University; Luguang Jiang, Institute of Geographical Sciences and Natural Resources Research

CHAIR: Qing Tian, George Mason University

5:00 Luguang Jiang*, Institute of Geographical Sciences and Natural Resources Research; Qing Tian, Computational Social Science Program, College of Science, George Mason University; Rui Zhang, Computational Social Science Program, College of Science, George Mason University; Andrew Crooks, Computational Social Science Program, College of Science, George Mason University; Shuhua Qi, Key Laboratory of Poyang Lake Wetland and Watershed Research, Ministry of Education, Jiangxi Normal University; Ruixin Yang, Department of Geography and Geoinformation Science, George Mason University; *Interactions of Social, Natural, and Technological Subsystems and Synergy between Development and Adaptation to Floods around Poyang Lake*

5:15 Qing Tian, George Mason University; Liying Guo*; Lin Zheng, Jiangxi Normal University; *Urbanization and rural livelihoods: A case study from Jiangxi Province, China*

5:30 Rui Zhang*, Michigan State University; Qing Tian, Computational Social Science Program, College of Science, George Mason University; Luguang Jiang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Andrew Crooks, Computational Social Science Program, College of Science, George Mason University; Shuhua Qi, Key Laboratory of Poyang Lake Wetland and Watershed Research, Ministry of Education, Jiangxi Normal University; Ruixin Yang, Department of Geography and Geoinformation Science, George Mason University, College of Science; *Projecting cropping patterns around Poyang lake and prioritizing areas for policy intervention to promote rice: A cellular automata model*

5:45 Qing Tian*, George Mason University; *Economic and environmental shocks and resilience of rural development: Insights from an agent-based model*

6:00 Shaoxia Xia*, Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences; Zhujian Meng, Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences; Didi Rao, Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences; Xiubo Yu, Institute of Geographic Science and Natural Resources Research, Chinese Academy of Sciences; *The carrying capacity of winter geese in Poyang Lake in different hydrological scenarios*

6:15 Qiuhaohuang*, Nanjing University; Linlin Sheng, Nanjing Normal University, China; *Predicting future farmland pattern using GeoAI -- A case study of Changzhou, China*

SATURDAY, April 6 • 5:00 PM - 6:40 PM

6:30 Discussant(s): Hui Lin, Professor, The Chinese University of Hong Kong

Saturday-023-5:00 p.m. Historical Topics in Military Geography (Sponsored by Military Geography Specialty Group)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Andrew Lohman

CHAIR: Andrew Lohman

5:00 Francis Galgano*, Villanova University; *The First Climate War? An Environmental Security Analysis of the Darfur Conflict*

5:20 Jon Malinowski*, U.S. Military Academy; *The Geography of Nineteenth Century West Point Admissions and Graduations*

5:40 William Doe*, University of Colorado, Boulder; *Military Panoramic Sketching: Reconsideration in the Digital Age*

6:00 Andrew Lohman*, Associate Professor; *The Vietnam War: A Geographic Analysis*

Saturday-025-5:00 p.m. Indigenous Geographies of Salmon

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Sibyl Diver, Stanford University

CHAIR:

Saturday-026-5:00 p.m. Reinigorating Imaginaries of Economic Change: Intersections with Gender, Identity, Race, and Sexuality II (Sponsored by Black Geographies Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Zoe Alexander, Rutgers University - Piscataway, NJ; Gregory Brodie

CHAIR: Kevin St. Martin, Rutgers University

5:00 Amy Dundon*, Clark University; *Finding Free City*

5:20 Jonah Walters*, Rutgers University; *State Agencies and Cooperatives in Nicaragua's "New Welfare State"*

5:40 Thomas Crowley*, Rutgers University; *The Annihilation of Caste Economies*

6:00 Jovan Lewis*, University of California - Berkeley; *(Black &) Blue Economy: Derisking and the Racial Capitalism of Underdevelopment in the Caribbean*

6:20 Discussant(s): Andrew Zitcer, Assistant Professor, Drexel University

Saturday-027-5:00 p.m. Critical Geographies of Education IV: Contested Futures (Sponsored by Critical Geographies of Education Specialty Group, Political Geography Specialty Group)

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Dan Cohen; Nicole Nguyen, University of Illinois - Chicago; Alice Huff, UCLA

CHAIR: Nicole Nguyen, University of Illinois - Chicago

5:00 Introduction(s): Nicole Nguyen, University of Illinois - Chicago

5:05 Octaviano Chavarín*, Stanford University; *Fighting for State Legibility: The Use of Schooling to Recast Criminalized Populations*

5:25 Olivia Ildefonso*, CUNY - Graduate Center; *The Uneven Geography of New York's 'Opt Out' Movement*

5:45 Keavy McFadden*, *Conversations across vocabularies of education*

6:05 Discussant(s): Alice Huff, UCLA

Saturday-028-5:00 p.m. Gender and Water Geographies: New Approaches, Theoretical Frameworks, and Emerging Directions from the Field (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Water Resources Specialty Group)

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Yaffa Truelove, University of Colorado; Ellis Adams, Georgia State University

CHAIR: Yaffa Truelove, University of Colorado

5:00 Saachi Kuwayama*, University of Michigan; *"A little bit emotional, A little bit workable": The Gendered Dimensions of Dam Politics and Protest*

5:20 Ellis Adams*, Georgia State University; *'Spaces of Exclusion' in community water governance: A Feminist Political Ecology of gender and participation in Malawi's Urban Water User Associations*

5:40 Discussant(s): Yaffa Truelove, Assistant Professor, University of Colorado

Saturday-036-5:00 p.m. Policy mobilities III: where next? (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Economic Geography Specialty Group)

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jamie Peck, University of British Columbia; Eugene McCann, Simon Fraser University

CHAIR: Jamie Peck, University of British Columbia

Panelist(s): I-Chun Catherine Chang, Macalester College; Wendy Larner, Professor, Victoria University; Anthony Levenda, Arizona State University; Sergio Montero, Assistant Professor, Universidad De Los Andes

Discussant(s): Theresa Enright, Assistant Professor, University of Toronto

Saturday-038-5:00 p.m. Financing Urban Fantasies: Logics, Practices, and Politics of Making Mega-projects in Frontier Cities (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jorn Koelemaj, Ghent University; Wanjing Chen, University of Wisconsin-Madison

CHAIR: Jorn Koelemaj, Ghent University

5:00 Joon Park*, *Smart city, eco city, world city, creative city, et cetera et cetera: A Marxist interpretation on the fast changes in urban development discourses*

5:20 Ozan Karaman*, Dr., LATTS, Research Centre on Technologies, Territories and Societies; Antoine Guironnet, Dr., LATTS, Research Centre on

SATURDAY April 6 • 5:00 PM - 6:40 PM

Technologies, Territories and Societies; Martine Drozd, Dr., LATTS, Research Centre on Technologies, Territories and Societies; Ilknur Kursunlugil, LATTS, Research Centre on Technologies, Territories and Societies; Mathilde Moaty, LATTS, Research Centre on Technologies, Territories and Societies; *Transnational speculations on urban land: sites and negotiations*

5:40 Wanjing Chen*, Student, University of Wisconsin-Madison; *Spectacular Failure? Unpacking the Financial Life of an Unrealized Urban Fantasy in Vientiane, Lao PDR*

6:00 Jorn Koelemij*, Ghent University; *Understanding the UAE's Transnational Real Estate Development Strategies: an Exploration of the Co-Existence of Geo-Economics and Geo-Politics.*

6:20 ASLI CEYLAN ONER*, Assoc. Prof. Dr., Izmir University of Economics; Cemil Arslan, Dr., Marmara Municipalities Union; Ezgi Kucuk, Marmara Municipalities Union; *When Transnational Capital Simultaneously Touches and Untouches the Global City Space: The Case of Istanbul*

Saturday-039-5:00 p.m. Beyond Metaphors of Decolonization: Engaging the Intersections of Feminist Geography and Decolonial Feminist Theory II (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Washington 4, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): A. Marie Ranjbar, Ohio State University

CHAIR: Sara Koopman, Kent State University

5:00 Manon Lefevre*, *"Beyond sisterhood there is still racism, colonialism and imperialism!": Negotiating gender, ethnicity and power in a Madagascar mangrove*

5:15 Miriam Gay-Antaki*, University of Edinburgh; *Feminist Geographies of Climate Change: Negotiating Gender at Climate Talks*

5:30 **Discussant(s):** Sara Koopman, Kent State University

5:50 Philip Son*, University of Toronto; *Canadian Mining in the Peruvian Andes: Jurisdiction and the Colonial Condition*

6:05 **Introduction(s):** Sara Koopman, Kent State University

Saturday-040-5:00 p.m. Critical Methods for Community-Engaged Socio-Environmental Research

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Washington 5, Marriott, Exhibition Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jennifer Mokos, Coastal Carolina University; Nathan Rowley, Ohio Wesleyan University

CHAIR: Jennifer Mokos, Coastal Carolina University

5:00 Alfonso Aranda*, UC Davis Geography Graduate Group - Davis, CA; *Navigating between Academic Collaborations and Community-Based Research Partnerships: The Knights Landing Environmental Health Project (2016-)*

5:20 Alec Foster*, Illinois State University; *Critical Mixed Methods for Participatory Urban Socioecological Research*

5:40 Alexis Saenz Montoya*, Temple University; *Future scenario in a process of socio-ecological restoration of urban streams in Medellin - Colombia.*

6:00 Timothy Hawthorne*, University of Central Florida; Kate Brandt, University of North Carolina; Hannah Torres, University of Central Florida; *Participatory GIS for Coastal Communities with Maps, Apps, and Drones*

6:20 **Discussant(s):** Nathan Rowley, Ohio Wesleyan University

Saturday-041-5:00 p.m. Critical Resource Geography III: Resource-Making/World-Making

Room: Washington 6, Marriott, Exhibition Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Matthew Himley, Illinois State University; Gabriela Valdivia, University of North Carolina - Chapel Hill; Elizabeth Havice, University of North Carolina-Chapel Hill

CHAIR: Gabriela Valdivia, University of North Carolina - Chapel Hill

Panelist(s): Nicole Fabricant, Gustavo Oliveira, Assistant Professor, University of California - Irvine; Francis Masse, University of Sheffield; Skye Naslund, PhD Candidate, University of Washington

Discussant(s): Joseph Bryan, Associate Professor, Department of Geography, University of Colorado, Boulder

Saturday-047-5:00 p.m. Building New Concepts in Urban Studies: Challenges and tactics in comparative urbanism III - Emergent Concepts; Experimental Methods

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jennifer Robinson, University College London; Alvaro Sanchez Jimenez

CHAIR: Helga Leitner, University of California, Los Angeles

5:00 Ayyaz Mallick*, York University; *From "Partisan Universal" to "Concrete Universal"? The Pashtun Tahafuz Movement in Pakistan*

5:20 Monika Streule*, *Comparative cartographies: Urban processes within and across metropolitan territories*

5:40 Stefan Kipfer*, York University; *Historicize, spatialize, always: on the comparative recomposition of the colonial relation*

6:00 Murray Mckenzie*, University College London; *In the Tracks of Comparative Urbanism: Constellations of Urban Modernity from Theory to Practice*

6:20 **Discussant(s):** Jennifer Robinson, Prof, University College London

6:30 **Discussant(s):** Christian Schmid, Prof. Dr., ETH Zurich

Saturday-048-5:00 p.m. Remote Sensing Time Series Analysis with Moderate Spatial Resolution Imagery III (Sponsored by Remote Sensing Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Chunyuan Diao, University of Illinois at Urbana-Champaign; Xiaoyang Zhang; George Xian, USGS EROS Data Center

CHAIR: Chunyuan Diao, University of Illinois at Urbana-Champaign

5:00 Ayodeji Adesuyi*, Mr, University of Cape Town. South Africa; Zahn Münch, Lecturer, Stellenbosch University. Stellenbosch. South Africa; *Automating land cover classification using time series NDVI: A scripting case study*

SATURDAY, April 6 • 5:00 PM - 6:40 PM

5:20 George Xian*, USGS EROS Data Center; *Characterization of Urban Development and associated regional effect from Time Series Analysis*

5:40 Jennifer N. Hird*, Applied Geospatial Research Group, Dept of Geography, University of Calgary; Jahan Kariyeva, Alberta Biodiversity Monitoring Institute; Greg J. McDermid, Applied Geospatial Research Group, Dept of Geography, University of Calgary; *Leveraging open-access Earth observation data streams and web-based cloud computing for the characterization of forest harvest area regeneration in Alberta, Canada.*

6:00 Shi Qiu*, Department of Natural Resources and the Environment, University of Connecticut; Zhe Zhu, Department of Natural Resources and the Environment, University of Connecticut; Binbin He, School of Resources and Environment, University of Electronic Science and Technology of China; *Cirrus cloud detection using multi-temporal Landsat 8 images: When and how to detect cirrus cloud?*

6:20 Yanlin Yue*, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; Shunbao Liao, College of Ecology and Environment, Institute of Disaster Prevention; Guangxing Gi, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; Jincai Zhao, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; Zhizhu Lai, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; *Improving the Accuracy of Land Cover Classification Based on NDVI Time Series Library*

Saturday-049-5:00 p.m. Carnegie African Diaspora Fellowship Program: Assessing progress and early impacts on African Universities. (Sponsored by Africa Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Joseph Zume, Shippensburg University; Aondover Tarhule, SUNY Binghamton

CHAIR: Joseph Zume, Shippensburg University

Panelist(s): James Saku, Professor, Frostburg State University; Samuel Adu-Prah, Assistant Professor, Sam Houston State University

Saturday-052-5:00 p.m. Dendrochronology V: Ecology II (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jodi Axelson, University of California, Berkeley; Maegen Rochner, University of Tennessee Knoxville

CHAIR: Jodi Axelson, University of California, Berkeley

5:00 Rosemary Sherrieff*, Humboldt State University; *A climate transition zone - drought and forest response in northern California*

5:20 Justin Maxwell*, Indiana University; Neil Pederson, PhD, Harvard Forest; Tsun Fung Au, Indiana University; Benjamin Lockwood, Indiana University; Grant Harley, PhD, University of Idaho; Rich Phillips, PhD, Indiana University; Kimberly Novick, PhD, Indiana

University; *Using a water-use framework to explain species-specific radial growth drought response in Eastern U.S. hardwood forests*

5:40 Samantha Jones*, Bemidji State University; Alessandra Bottero, Swiss Federal Institute for Forest, Snow and Landscape Research WSL; Douglas N. Kastendick, USDA Forest Service, Northern Research Station; Brian J. Palik, USDA Forest Service, Northern Research Station; *Managing red pine stand structure to mitigate drought impacts*

6:00 Savannah Collins-Key*, University of Tennessee; *Detecting flood signatures in the tree-ring record: Expanding dendrohydrological techniques and integrating paleofloods into flood risk assessments*

6:20 Elaine Kennedy Sutherland*, USDA Forest Service, Rocky Mountain Research Station; Peter Brewer, Laboratory of Tree-Ring Research, University of Arizona; Wendy Gross, NOAA National Centers for Environmental Information; *New data standards for paleo-events in dendrochronology*

Saturday-054-5:00 p.m. Land Systems Science at AAG: Open discussion of future directions and funding (Sponsored by Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Marshall North, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Burak Guneralp, Texas A&M University; Darla Munroe, Ohio State University; Rinku Roy Chowdhury, Clark University

CHAIR: Hannah Gosnell, Oregon State University

Discussant(s): Darla Munroe, Ohio State University; Rinku Roy Chowdhury, Associate Professor, Clark University

Panelist(s): Richard Aspinall, Dr, Tom Evans, Professor, University of Arizona - Geography & Development; Jacqueline Vadjunec, Associate Professor, Oklahoma State University

Saturday-055-5:00 p.m. Geographies of Health and Healthcare III (Sponsored by Health and Medical Geography Specialty Group)

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Prince Michael Amegbor, Queen's University; Mark Rosenberg, Queen's University

CHAIR: Jessica Finlay, University of Michigan

5:00 Ortis Yankey*, Kent State University; Prince M Amegbor, Queens University; Mark Rosenberg, Queens University; *Male Partner Alcohol Abuse and Intimate Partner Violence (IPV) against Women in Ghana: A geographical perspective - GWR*

5:20 Jessica Bolin*, Boston College; *Lyme Disease in New Hampshire: Perceived risk among residents across counties and climate change beliefs*

5:40 Prince Michael Amegbor*, Queen's University; Mark W Rosenberg, Department of Geography and Planning, Queen's University, Kingston; *Ethnicity, identity and the use of traditional, complementary and alternative medicine (TCAM): A case study of immigrants living in the Greater Toronto Area (GTA)*

6:00 Jia Wang*, Weiqi Zhou, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences;

SATURDAY April 6 • 5:00 PM - 6:40 PM

Intensified urban heat island effects, but not a result of urban warming revealed by time-series land surface temperature trend analysis

Saturday-056-5:00 p.m. Spatio-Temporal Characterizations of Urban-Rural Landscapes

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Ryan Short, U.S. Bureau Of the Census

5:00 Georgianna Strode*, Florida State University/FREAC; Victor Mesev, Florida State University; *Expanding cadastral-based population methods to produce estimates for intercensal years*

5:20 Geonhwa You*, Dept. of Geography, Kyung Hee University, Seoul, South Korea; Chul Sue Hwang, Dept. of Geography, Kyung Hee University, Seoul, South Korea; *A spatio-temporal urban structure model*

5:40 Mohd Al-Kuwari*, Qatar University; *3D Visualization of Demographic data and urban planning: A Case study of Doha city, The State of Qatar*

6:00 Forrest R. Stevens*, University of Louisville; Gregory Yetman, Columbia University; Jane Mills, Columbia University; Andrea E. Gaughan, University of Louisville; Alessandro Sorichetta, University of Southampton; Catherine Linard, Université Libre de Bruxelles; Maksym Bondarenko, University of Southampton; Alessandra Carioloi, University of Southampton; Sophie Hanspal, University of Southampton; Theo Hilber, University of Southampton; Graeme Hornby, University of Southampton; William H. M. James, University of Southampton; David Kerr, University of Southampton; Christopher Lloyd, University of Southampton; Jeremiah Nieves, University of Southampton; Kristine Nielsen, University of Southampton; Carla Pezzulo, University of Southampton; Linda Pistolesi, Columbia University; Natalia Tejedor-Garavito, University of Southampton; Nikolaos Vesnikos, University of Southampton; Adelle Wigley, University of Southampton; Andrew J. Tatem, University of Southampton; *WorldPop Global, gridded population estimates and associated covariate layers for the years 2000-2020*

6:20 Ryan Short*, Geographer, U.S. Bureau Of the Census; Michael Clements*, U.S. Bureau Of the Census; Patrick Jurgens*, U.S. Bureau Of the Census; *Geographic Area Processing, Update, and Quality*

Saturday-057-5:00 p.m. Geohealth and Statistical Modeling

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Christopher Brehme, Keene State College

5:00 Eunjung Lim*, University of Maryland; *Statistical Modelling of highly skewed soil PCB data with many zeros*

5:20 Xiangyu Jiang*, University at Buffalo; Eun-Hye Yoo, University at Buffalo; *Estimating PM2.5 concentrations from wildland fires for health impact assessments*

5:40 Frank D. W. Witmer*, University of Alaska Anchorage; Andrea Jacuk, University of Alaska Anchorage; Micah Hahn, University of Alaska Anchorage; *Deductive habitat modeling for medically-important non-native ticks in Alaska*

6:00 Yee Leung*, The Chinese University of Hong Kong; Wei Fu Ding, Institute of Future Cities, The Chinese University of Hong Kong; Tung Fung, Department of Geography and Resource Management, The Chinese University of Hong Kong; *A Bayesian Approach to Spatio-temporal Profiling of Air Pollution*

6:20 Christopher Brehme*, Keene State College; *Mapping the Sound of Silence: A GIS Model of Tranquility in United Kingdom National Parks*

Saturday-058-5:00 p.m. Environmental Science Studies and Understanding among University Students

Theme: Physical Geography in Environmental Science

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Justin Stoler, University of Miami

5:00 Geoffrey Habron*, Furman University; Kate Thompson, Griffith University; Alexander Maas, University of Idaho; Alan Berkowitz, Cary Institute of Ecosystem Studies; *Experiential Model-Based Reasoning for Undergraduate Interdisciplinary Urban Water Synthesis*

5:20 David Mills*, Texas State University; *Incentivized UX Utilizing Open-Source Framework for Environmental Monitoring*

5:40 Rowan Limbach*, St. Mary's College of Maryland; *Regenerating Outdoor Public Spaces on the St. Mary's Campus. A Design Approach to Building Community and Ecological Wellbeing*

6:00 Carlos A Morales-Ramirez*, National University of Singapore; Yi-Chen Wang, PhD, National University of Singapore; *Understanding students' knowledge about biogeography in a higher education university in Singapore*

6:20 Justin Stoler*, Associate Professor, University of Miami; Diana Ter-Ghazaryan, University of Miami; Ira Sheskin, University of Miami; Gary Schnakenberg, Michigan State University; Amber Pearson, Michigan State University; Piotr Jankowski, San Diego State University; Kate Swanson, San Diego State University; Thomas Herman, San Diego State University; *University Student Perceptions of Geography Key Words and Departmental Names*

Saturday-060-5:00 p.m. Research on Air Pollution, Environmental Factors and Health

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Yunyun Zhou; Lan Zheng, East China Normal University

CHAIR: Yunyun Zhou

5:00 Lan Zheng*, East China Normal University; *Spatial Simulation of Dengue Fever Transmission Using Land Use Regression Model*

5:20 Wei LIU*, *Analysis of carbon budget and carbon footprint characteristics of Henan province*

5:40 Yunyun Zhou*, *Impact of Multiple Meteorological Elements on the Relationship of AOD and PM2.5*

SATURDAY, April 6 • 5:00 PM - 6:40 PM

- 6:00** Deying Zhang*, East China Normal University;
Estimating ground-level concentrations of multiple air pollutants in the Huaihe River Basin in China based on satellite observations

Saturday-061-5:00 p.m. Commoning the urban

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Sangeeta Banerji, Rutgers University; Priti Narayan, Rutgers University

CHAIR: Amanda Huron, University of the District of Columbia

- 5:00** Luke Leavitt*, University of Wisconsin - Madison; *How Liberal Legal Strategies for Securing Homeless Rights Might Reterritorialize as Anti-Capitalist Critique and Praxis*
- 5:15** Priti Narayan*, Rutgers University; *Autoconstruction of the commons: Moral claims to city land in Chennai, India*
- 5:30** Discussant(s): Amanda Huron, Dr., University of the District of Columbia
- 5:50** Varun Patil*, Indian Institute of Habitat settlements bangalore; *The Occupant Is the Owner!: Constructions and Contestations Over Varied Administrative Land Commons in North Bangalore:*
- 6:05** Tom Cowan*, University of Bergen; *Re-working India's urban commons*
- 6:20** Megan Moore*, *Ruminations in the Ruins of Suburbia: the Coming Corporate City and the Haunting of the Settler Commons*
- 6:35** Introduction(s): Priti Narayan, Rutgers University

Saturday-062-5:00 p.m. Remote Sensing in Urban Environments

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Yingbin Deng, University of Wisconsin Milwaukee

- 5:00** Ronald C. Estoque*, National Institute for Environmental Studies, Japan; Makoto Ooba, National Institute for Environmental Studies, Japan; Takuya Togawa, National Institute for Environmental Studies, Japan; Yasuaki Hijioka, National Institute for Environmental Studies, Japan; Yuji Murayama, University of Tsukuba, Japan; *Urban Heat Risk Assessment Using Remote Sensing and Socioeconomic Data*
- 5:20** Chengbin Deng*, Binghamton University, SUNY; *The impacts of input Landsat images for mapping subpixel urban impervious surface: Status and Solution*
- 5:40** Haipeng Zhao*, Indiana State University - EES; Qihao Weng, Indiana State University - EES; *Pattern of house vacancy in US: a case study in Indianapolis from nighttime light*
- 6:00** Yingbin Deng*, Guangzhou Institute of Geography; *Deep learning based spectral mixture analysis for multispectral images*

Saturday-063-5:00 p.m. Disasters, Hazards, Threats, and Responses

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: DANIEL GALLAGHER

- 5:00** Courtney Balaz-Munn*, University of Toronto; *Discourses of development and nation-building in Nepal's state*

responses to post-earthquake reconstruction and post-conflict reconciliation

- 5:20** Charlotte Pyke*, Robert Wilton, Supervisor; *Planning For Inclusion? Persons with Disabilities and Emergency Preparedness in Ontario*
- 5:40** Zainab Nuhu*, Bayero University, Kano; Maryam liman, Bayero University, Kano; Sharfadden Kamilu Ilah, Bayer University, Kano; *Living in Peace: Community-based culture of sustainable peace in Nasarawa State, Nigeria*
- 6:00** Unryu Suganuma*, Professor, J. F. Oberlin University; *Fukushima after the 3.11 Disaster: Lessons Learned*
- 6:20** DANIEL GALLAGHER*, *The ascent of anti-adaptation: de-politicization, resistance from within, and the perpetuation of urban vulnerability*

Saturday-064-5:00 p.m. Landscape Patterns and Use

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Matthew Hiett, U.S. Army Corps of Engineers

- 5:00** Santiago Lopez*, PhD, University of Washington Bothell; Maria Fernanda Lopez, PhD, Facultad Latino Americana de Ciencias Sociales; *Preserving the commons: Landscape quantification in protected areas under dynamic management and extensive land use*
- 5:20** Carlee Benhart*, Indiana University Of Pennsylvania; *GIS-Driven Multi-Municipal Blight Fight*
- 5:40** Hoonchong Yi*, Texas A&M University; Urs P. Kreuter, Texas A&M University; *Comparative Sensitivity Analysis of Ecosystem Service Values in the San Antonio River Basin, Texas, from 1984 to 2010*
- 6:00** Sarah Radencic Lalk*, Mississippi State University; Kathleen Sherman-Morris, Mississippi State University; Athena O Nagel, Mississippi State University; John C Rodgers, Mississippi State University; *Individual Awareness of Regional Geosciences Resources and the Potential Influence of Community Size*
- 6:20** Matthew Hiett*, U.S. Army Corps of Engineers; George Calfas, PhD, U.S. Army Corps of Engineers; Noah Garfinkle, U.S. Army Corps of Engineers; Juliana McMillan-Wilhoit, U.S. Army Corps of Engineers; Thomas Max Foltz, U.S. Army Corps of Engineers; *Enabling Non-Experts in the Application of Complex GIS Processes for the U.S. Army*

Saturday-065-5:00 p.m. Where the Wildlife are: Mapping Habitat and Elucidating Spaces of Conflict and Conservation (Sponsored by Animal Geography Specialty Group, Biogeography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Cadi Fung, Michigan State University; Brad Peter, Michigan State University

CHAIR: Cadi Fung, Michigan State University

- 5:00** Roopa Krithivasan*, Clark University; *Wildlife as drivers of land change? Applying the Social Ecological System framework to analyze agricultural transitions in a human-wildlife conflict landscape*
- 5:20** Emilie Edelblutte*, Boston University; *Conservation and management of a generalist predator in urban India:*

SATURDAY April 6 • 5:00 PM - 6:40 PM

unraveling the entangled and political geographies of humans and leopards

5:40 Courtney Berne*, Graduate Student, Geography and Urban Studies Department Temple University; *Corridors as Coexistence: Bridging the Gap for Great Apes*

6:00 Qiongyu Huang*; Fang Wang, The Center for Systems Integration and Sustainability at Michigan State University; Audrey Lothspeich, Smithsonian Conservation Biology Institute; Haydee Hernandez, Smithsonian Conservation Biology Institute; Katherine Mertes, Smithsonian Conservation Biology Institute; Melissa Songer, Smithsonian Conservation Biology Institute; *The Dispersal of Giant Pandas (Ailuropoda melanoleuca) in the Qinling Mountain: the impact of climate, habitat, and anthropogenic disturbances*

6:20 Cadi Fung*, Michigan State University; Cynthia Simmons, University of Florida; Brad Peter, Michigan State University; *Spatiotemporal Territorialities of the Amazon River Dolphin (Inia geoffrensis), Fishers, and Tourism Operators*

Saturday-066-5:00 p.m. Smallholder Food and Water Security, Diversification and Global Change: Participatory Research and Integrative Methods

Room: Coolidge, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Christopher Bacon, Santa Clara University; William Sundstrom

CHAIR: Iris Stewart-Frey, Santa Clara University

Introduction(s): Christopher Bacon, Associate Professor, Santa Clara University

Panelist(s): Iris Stewart-Frey, Dr., Santa Clara University; William Sundstrom; Chad Staddon, Professor, University of the West of England

Discussant(s): Annie Shattuck, University of California - Berkeley; Lisa Kelley, University of Hawaii - Manoa

Saturday-067-5:00 p.m. Post-Capitalist Possibilities for (and despite) a Scarred Earth: Decolonial, Ecosocialist, Ecofeminist (Sponsored by Energy and Environment Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Jesse Goldstein, Virginia Commonwealth University; Laurel Mei-Singh, Princeton University

CHAIR: David Chang, University of Minnesota

Introduction(s): Jesse Goldstein, Dr., Virginia Commonwealth University

Panelist(s): Michelle Wenderlich; Shemon Salam; Laurel Mei-Singh, Princeton University

Discussant(s): Anja Kanngieser; David Chang, University of Minnesota

Saturday-068-5:00 p.m. Mapping New Deal Washington DC

Room: Wilson A, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Richard Walker, University of California-Berkeley

CHAIR:

Introduction(s): Rachel Brahinsky, Assistant Professor, University of San Francisco

Panelist(s): Richard Walker, Professor Emeritus, University of

California-Berkeley; Gray Brechin, Visiting Scholar, Living New Deal

Discussant(s): Joni Palmer, Ph.D., Geography & Environmental Studies; Alexander Tarr, Assistant Professor, Worcester State University

Saturday-069-5:00 p.m. Landscape Specialty Group Photography Competition (Sponsored by Landscape Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Gang Chen, University of North Carolina at Charlotte

CHAIR: Katherine Markham, Boise State University

Saturday-070-5:00 p.m. Karen Kemp Retirement Session

Room: Wilson C, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Mark Kumler, University of Redlands

CHAIR:

Saturday-072-5:00 p.m. Author Meets Critics: Hiba Bou Akar's For the War Yet to Come: Planning Beirut's Frontiers (Sponsored by Urban Geography Specialty Group, Middle East Specialty Group, Regional Development and Planning Specialty Group)

Room: Stones Throw 1, Marriott, Mezzanine Level (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Emma Crane, SCA

CHAIR: Emma Crane, New York University

Panelist(s): Hiba Bou Akar, Assistant Professor, Columbia University; AbdouMaliq Simone; Ruth Gilmore, Professor, CUNY Graduate Center; Mona Atia, George Washington University; D. Asher Ghertner, Dr., Rutgers University

Saturday-073-5:00 p.m. AAG 2019 CFP- Threat Multipliers and Coalition Politics: Understanding and Resisting the Intersections of Militarism, War, Imperialism and Environmental Degradation

Room: Stones Throw 2, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Patrick Bigger, Lancaster University; Emily Gilbert, University of Toronto

CHAIR: Patrick Bigger, Lancaster University

5:00 Alec Brownlow*, DePaul University; *The duty of sacrifice: patriotism and the politics of self-destruction in the sacrifice zone*

5:20 Kevin Surprise*, Mount Holyoke College; *Stratospheric imperialism: The militarization of solar geoengineering*

5:40 McKenzie Johnson*, University of Illinois; *Who Governs Here? Minerals Governance, the State, and Violent Conflict in Rural Ghana*

6:00 Michael Dwyer*, University of Colorado, Boulder; *Real countries? Legacies of denationalization and the politics of dispossession*

6:20 Discussant(s): Emily Gilbert, University of Toronto

SATURDAY, April 6 • 5:00 PM - 6:40 PM

Saturday-074-5:00 p.m. Exploring Issues in Food Insecurity on College Campuses: Part 2 (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Courtney Gallaher, Northern Illinois University

CHAIR: Gina Thornburg

5:00 Jacqueline Kwasigroch*, Christopher Strunk*, Augustana College; *Perceptions of Food Insecurity and Local Partnerships at a Private Liberal Arts College*

5:20 Charlie Zhang*, Associate Professor, University of Louisville; *Spatial patterns of food swamps in the US: Comparing food security on college campuses and in their host communities*

5:40 Kerri LaCharite*, George Mason University; *Virginia Food Systems Leadership Institute: A Curricular Vehicle for University Food System Reform*

6:00 Laura Grier*, University of Michigan; *The Political Ecology of the Local Food Movement in Ann Arbor, Michigan*

6:20 Discussant(s): Daniel Block, Professor, Chicago State University

Authority (KIRMA); *Mahkontowe Conservation Area and Cultural Sovereignty: Ridge to Reef Conservation of Natural and Cultural Resources*

Saturday-083-5:00 p.m. Space Place and Identity Shaping

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Committee Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Rachel Searcey, Loughborough University; Jessica Simpson

CHAIR: Rachel Searcey, Loughborough University

5:00 Rachel Searcey*, Loughborough University; *In and out of place*

5:20 Jessica Simpson*, *Student sex workers: What happens after university?*

5:40 Mu-Chih Shih*, National Taiwan Normal University; *Becoming Pretty Boys: Embodied Experience of Heterosexual Males Pursuing Feminine Appearance and Manner*

6:00 Lucia Lovison*, Sat-Drones Aftiterra Foundation; *Human Trafficking: from the Past to the Present in the Indian Ocean region*

6:20 Discussant(s): Philip Hubbard, King's College London

Saturday-081-5:00 p.m. Cities and Networks IV: New Frontiers

Room: Diplomat Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Zachary Neal, Michigan State University; Celine Rozenblat, Universite De Lausanne

CHAIR: Zachary Neal, Michigan State University

5:00 John Hanson*, University of Reading; *Ancient data, modern methods?*

5:20 Fangcao Xu*, Penn State University; *An Algorithm to Infer the Spatiotemporal Diffusion Network*

5:40 Antoine Peris*, TU Delft; Evert Meijers, TU Delft; Willem Jan Faber, National library of the Netherlands; *Long term evolution of information circulation between cities*

6:00 Mikhail Rogov*, University of Lausanne, Faculty of Geosciences and Environment; Céline Rozenblat, University of Lausanne, Faculty of Geosciences and Environment; Shade Shutters, Arizona State University, Global Institute of Sustainability; *Multi-level approach to urban resilience: conceptual and operational model*

6:20 Discussant(s): Zachary Neal, Dr., Michigan State University

Saturday-084-5:00 p.m. Sustainable Tourism for Development

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): David Perkins, Missouri State University

CHAIR: David Perkins, Missouri State University

Introduction(s): David Perkins, Assistant Professor, Missouri State University

Panelist(s): Shelly Selivanov, University of Victoria; Anne Sturød; Jarkko Saarinen, Professor, University of Oulu; Carol Kline, Appalachian State University; Joyelle Clarke, St Mary's Biosphere Reserve

Discussant(s): Karly Miller, University of California; Ko Koens, Breda University of Applied Sciences

Saturday-082-5:00 p.m. Tourism and Natural Areas

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Directors Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: David Fazzino, Bloomsburg University

5:00 Mario Cardozo*, Kutztown University; William Havrilchak, Kutztown University; Jonathan DiLella, Kutztown University; Laura Rodríguez, Fundación Moisés Bertoni; *Increasing deforestation in Eastern Paraguay: Neoliberalism and failing policies during the post-dictatorial years*

5:20 David Fazzino*, Bloomsburg University of Pennsylvania; Ashley Meredith, Kosrae Island Resource Management Authority (KIRMA); Standon Andrew, Kosrae Island Resource Management Authority (KIRMA); Blair Charley, Kosrae Island Resource Management

Saturday-086-5:00 p.m. Sustainable Urbanization: Challenges and Opportunities (V) (Sponsored by China Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Yuyu Zhou, Iowa State University; Bailang Yu, East China Normal University; Wenzhe Yue, Zhejiang University

CHAIR: Wenzhe Yue, Zhejiang University

5:00 Yong Liu*, Chongqing University; *Impact of polycentric development on urban environment in China: The case of Chengdu and Chongqing*

5:20 Weixin Ou*, College of Land Management, Nanjing Agricultural University; Yu Tao, College of Land Management, Nanjing Agricultural University; Gongtai Chen, College of Land Management, Nanjing Agricultural University; Qin Tao, College of Land Management, Nanjing Agricultural University; *Impact of land use change on multiple ecosystem services in the rapidly urbanizing Kunshan City of China: Past trajectories and future projections*

SATURDAY April 6 • 5:00 PM - 6:40 PM

5:40 Yu Tao*, College of Land Management, Nanjing Agricultural University; Zhen Zhang, College of Land Management, Nanjing Agricultural University; Weixin Ou, College of Land Management, Nanjing Agricultural University; *Effect of urban form on PM2.5 concentrations: A case study in the rapidly urbanizing Yangtze River Delta region of China*

6:00 Wei Fan*, University of Wisconsin - Milwaukee; *Understanding Spatial-temporal Urban Expansion Pattern Using Impervious Surface Data and Landscape Indexes: A Case Study in Guangzhou (China)*

6:20 Angelica Valencia Torres*, University of North Texas; *An integrated approach to evaluate the environmental and socioeconomic impacts of urban sprawl in metropolitan areas: The case of the Toluca Metropolitan Zone.*

Saturday-087-5:00 p.m. Refugee Landscapes

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Forum Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Nathan Swanson, Purdue University

5:00 Juliet Galecki*, *Unsettled Minds, Unsettled Landscapes*

5:20 Kaitlin Stewart*, *The Danger of Repatriation: An Argument for the Refugee Status of the Chin People of Myanmar*

5:40 Janpeter Schilling*, University of Koblenz-Landau; Melanie Hussak, Peace Academy Rhineland-Palatinate/ University of Koblenz-Landau; Ulrike Zeigermann, Otto-von-Guericke University Magdeburg; *Growing Right-wing Populism and Refugees in Germany: Towards a Disintegrated or Shared Society?*

6:00 Nathan Swanson*, Postdoctoral Teaching Fellow, Purdue University; *The Struggle for Lifta: Home, Memory, and Future in the Last "Nakba Village"*

6:20 Alex Fanghanel*, University of Greenwich; *Mapping rape culture: Nation and the struggle for social justice*

Saturday-088-5:00 p.m. History and Future Directions of the AAG Enhancing Diversity Committee (Sponsored by American Association of Geographers, AAG Archives and Association History Committee, Ethnic Geography Specialty Group, Harassment-Free AAG Initiative)

Room: Cabinet Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Emily Skop, The University Of Colorado At Colorado Springs

CHAIR: Deborah Metzel, University of Massachusetts - Boston

Panelist(s): Joe Darden, Professor, Michigan State University; David Kaplan, Professor, Kent State University; Deborah Thomas, University of North Carolina - Charlotte; Banu Gokariksel, Associate Professor, University of North Carolina, Chapel Hill; Emily Skop, Professor and Chair, The University Of Colorado At Colorado Springs; Karen Johnson-Webb, Associate Professor, Bowling Green State University

Saturday-089-5:00 p.m. New Books in Latinx Geography (Sponsored by Latinx Geographies Specialty Group)

Room: Council Room, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Genevieve Carpio, UCLA; Laura Barraclough, Yale University

CHAIR: Lorena Muñoz, University of Minnesota

Panelist(s): Laura Barraclough, Associate Professor of American Studies, Yale University; Perla Guerrero, Assistant Professor, University of Maryland; Genevieve Carpio, Assistant Professor, UCLA; Juan De Lara, Mr., University of Southern California

Discussant(s): Lorena Muñoz, Assistant Professor, University of Minnesota

Saturday-090-5:00 p.m. Tourism Analytics: Social Media, Spatially Distributed Data and Data Mining in Tourism Research 3 (Sponsored by Recreation, Tourism, and Sport Specialty Group, Media and Communication Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Andrei Kirilenko, University of Florida

CHAIR: Andrei Kirilenko, University of Florida

5:00 Jinwon Kim*, University of Florida; Seongsoo Jang, Cardiff University; Seunghyun Kim, Michigan State University; *Why are hotel room prices different? Exploring spatially varying relationships between room price and hotel attributes*

5:20 Janika Raun*, Student, University of Tartu, Department of Geography; *The role of major gateways on national tourism flows: A tale of two countries*

5:40 Haiqin Zhang*, East China Normal University, School of Geography Sciences; *Spatial and Temporal Distribution and Emotional Mining of Shanghai Disney Tourists Based on Big Data*

6:00 Discussant(s): Jinwon Kim, Assistant Professor, University of Florida

6:05 Discussant(s): Andrei Kirilenko, University of Florida

6:10 Discussant(s): Yang Yang, Temple University

Saturday-091-5:00 p.m. Colonialism and Its Discontents

Room: Congressional B, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Joshua Wayland, University of Maryland - College Park

5:00 Danika Cooper*, University of California, Berkeley; *The Desert as Site of Strategic Invisibility*

5:20 Thomas Weidemeyer*, Florida International University; *Discourse on Puerto Rico's Sovereignty Since the Spanish American War*

5:40 Jeffrey Allman Gritzner*, The University of Montana; *White Supremacy, Settler Colonialism, and "Constructive Chaos" in the Middle East*

6:00 Christine Rosenfeld*, George Mason University; *Terrains of Occupation and De-occupation in Hawai'i: Mālama `Āina, Recognition, and Cultural Politics in the Saddle Region*

6:20 Joshua Wayland*, University of Maryland - College Park; *Mining and Terrorism in the New People's Army Insurgency: Uncovering the Mechanisms*

SATURDAY, April 6 • 5:00 PM - 6:40 PM

Saturday-092-5:00 p.m. Geographies of Islamophobia and Political Mobilization against Islamophobia 2

Room: Empire Room, Omni, West (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Anna Mansson McGinty, University of Wisconsin - Milwaukee; Kristin Sziarto, University of Wisconsin - Milwaukee

CHAIR: Kristin Sziarto, University of Wisconsin - Milwaukee

5:00 Lauren Fritzsche*, University of Arizona; *Contesting Islamophobia in the wake of refugee resettlement*

5:20 Kevin Dunn*, Western Sydney University; Kathleen Blair, Western Sydney University; Rachel Sharples, Dr, Western Sydney University; *Public responses to a bystander anti-Islamophobia campaign: impacts, challenges and lessons*

5:40 Amy Piedaluc*, Australia India Institute; *The Everyday Politics of Countering Islamophobia and Anti-Muslim Bias in the U.S. and India*

6:00 Anna Mansson McGinty*, University of Wisconsin - Milwaukee; Kristin Sziarto, University of Wisconsin - Milwaukee; *Parallel and Countervailing Processes of Islamophobia and Sense of Belonging: Muslim Geographies in Milwaukee, U.S*

6:20 Discussant(s): Karen Culcasi, Associate Professor, West Virginia University

Saturday-093-5:00 p.m. Reckless Ideas in Geography and GIScience (Sponsored by Digital Geographies Specialty Group)

Room: Ambassador Ballroom, Omni, West (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Clio Andris; Grant McKenzie, University of California - Santa Barbara

CHAIR: Grant McKenzie, University of California - Santa Barbara

Discussant(s): Carlos Baez, University of California, Santa Barbara; Dipto Sarkar, McGill University; Rui Zhu, University of California - Santa Barbara; Song Gao, University of Wisconsin; Kevin Sparks; James Thatcher, University of Washington Tacoma; Albert Acedo

Saturday-095-5:00 p.m. Emerging industries: Institutions, Legitimacy and System Building 3 (Sponsored by Economic Geography Specialty Group)

Room: Blue Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Huiwen Gong; Christian Binz, EAWAG; Robert Hassink, Kiel University

CHAIR: Michaela Trippel, University of Vienna

5:00 Christiane Gebhardt*, malik institute; *The evolution of industry from interdisciplinary research in structurally weak regions.*

5:20 Cheng-Yi Lin*, National Taipei University of Education; *Start-up urbanism in Taiwan: exploring the spatial-organizational emergence of fintech industry development through the institutional entrepreneurship perspective*

5:40 Luis Carvalho*, University of Porto; Mário Vale, University of Lisbon; *System building and open data legitimization in European Cities*

6:00 Discussant(s): Robert Hassink, Kiel University

Saturday-097-5:00 p.m. Parking and Travel Demand Management for More Sustainable Transport (Sponsored by Transportation Geography Specialty Group)

Room: Capital Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Franziska Kirschner; Ralph Buehler, Virginia Tech

CHAIR: Franziska Kirschner

5:00 Eva Heinen, Institute of Transportation Studies, University of Leeds; Ralph Buehler*, Virginia Tech; *Bicycle parking: practices, preferences and their influence on cycling*

5:20 Julia Tahedl*, Hamburg University of Technology, Institute for Transportation Planning and Logi; Felix Czarnetzki, Hamburg University of Technology; *A detailed spatial analysis of motorization in the urban realm*

5:40 Franziska Kirschner*, Goethe University Frankfurt, Germany; *Parking in urban neighborhoods: Effects on the daily mobility and policy options from a residents' perspective*

6:00 Soeren Groth*, Mechtilde Stiewe, ILS - Research Institute for Regional and Urban Development gGmbH; *Transformations of Corporate Mobility Profiles: Transport-related effects of travel demand management*

6:20 Timothy Ross*, University of Toronto; Ronald Buliung, PhD, University of Toronto Mississauga; *Access Work: Experiences of Parking at School for Families Living with Childhood Disability*

Saturday-098-5:00 p.m. Historical Geographies of the Interwar: Beyond 1919 (2)

Room: Embassy Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Benjamin Thorpe, University of Nottingham; Stephen Legg, University of Nottingham; Michael Heffernan, University of Nottingham

CHAIR: Stephen Legg, University of Nottingham

5:00 Benjamin Thorpe*, University of Nottingham; *17 May, Pan-Europe Day! Speculative commemoration in the interwar*

5:20 Katharine Hall*, Queen Mary University of London; *Experimental Airpower and Pilotless Aircraft in the Interwar Period*

5:40 Geert Somsen*, Maastricht University; *Interwar Universalism. Henri Bergson, the ICIC, and the Geopolitics of Scientific Conferences*

6:00 Michael Heffernan*, University of Nottingham; *Geography and Internationalism in Britain after 1918*

6:20 Matilda Fitzmaurice*, Durham University; *Liverpool's 'Colour Problem': the Fletcher Report and the international geographies of British eugenics in the interwar period*

Saturday-099-5:00 p.m. Extended Urbanization 3: The Operationalization of Landscapes

Room: Hampton Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Christian Schmid, ETH Zurich; Nikolaos Katsikis

CHAIR: Christian Schmid, ETH Zurich

5:00 Nikolaos Katsikis*, *Operational Landscapes of Primary Production in the American Midwest*

5:20 Rodrigo Castriota*, Center for Development and Regional Planning - UFMG; *Extended Urbanization in Eastern Amazonia: the operationalization of Carajás*

SATURDAY April 6 • 5:00 PM - 6:40 PM

5:40 Nancy Couling*, TU Delft; *Extension, Disjunction and Cultivation across the North Sea*

6:00 Julia Smachylo*, Harvard University; *Incentivized forests as operational landscapes*

6:20 Discussant(s): Juan Miguel Kanai, University of Sheffield

Saturday-100-5:00 p.m. Feminist Cartographies: Theory Meets Practice (Sponsored by Cartography Specialty Group)

Room: Calvert Room, Omni, East (Panel)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Meghan Kelly, University of Wisconsin–Madison; Britta Ricker, University of Twente

CHAIR: Meghan Kelly, University of Wisconsin–Madison

Discussant(s): Amber Bosse, Ph.D. Candidate, University of Kentucky; Meghan Kelly, Graduate Student, University of Wisconsin–Madison

Panelist(s): Menno-Jan Kraak, Prof. Dr., ITC; Carolyn Fish, Assistant Professor, University of Oregon; Francis Harvey, Leibniz-Institute for Regional Geography

Saturday-101-5:00 p.m. Adoption of Conservation Practices in Agri-Environmental Governance: Social, Institutional, and Biophysical Factors of Participation 3 (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Governor's Room, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Landon Yoder, Indiana University; Kira Sullivan-Wiley, IBES

CHAIR: Martin Delaroche, Indiana University

5:00 Alicia Harley*, Harvard University; *The System of Rice Intensification: The challenges of technology selection for meeting the needs of the poorest farmers*

5:20 Madeline Giefer*, University of North Carolina - Chapel Hill; *Wildlife crop raiding influences long-term fate of lands conserved under payments for ecosystem services*

5:40 Ilyun Koh*, Boston University; *Adaptation to climate change in Brazil's coffee farmers*

6:00 Andrea E Gaughan*, University of Louisville; Forrest Stevens, University of Louisville; Narcisa Pricope, University of North Carolina, Wilmington; Jonathan Salerno, Colorado State University; Joel Hartter, University of Colorado; Lin Cassidy, Independent Researcher; Michael Drake, University of Colorado; Ariel Weaver, University of Louisville; Kolarik Nick, University of Louisville; Steele Olsen, University of North Carolina, Wilmington; Amelia Bradshaw, University of North Carolina, Wilmington; *Leveraging spatial sciences to measure household food security across communities in a semiarid African savanna*

6:20 Francisco Laso*, University of North Carolina - Chapel Hill; *Exploring the Hidden Relationship between Farmers' Livelihoods and Conservation in the Galapagos Islands*

Saturday-102-5:00 p.m. Geographies of Responsibility

II (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, Political Geography Specialty Group)

Room: Chairman's Boardroom, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Brian King, Pennsylvania State University; Vincent Del Casino, University of Arizona

CHAIR: Vincent Del Casino, University of Arizona

5:00 Tora Johnson*, University of Maine at Machias; *Dignity as an underpinning of responsibility in environmental governance*

5:20 Brittany Wheeler*, Clark University; *Responsibility for the Past and Governance of the Future: Small Island States, Migration, and Distancing Power*

5:40 Sohyung Lim*, University of Wisconsin - Milwaukee; *"And nobody was responsible for anything...": Thinking of deflected responsibility in the Sewol Ferry Disaster in South Korea, 2014*

6:00 Beth Oppenheim*, University of Cape Town; *Understanding Identity & Grassroots Organizations: Responsibility in Maputo, Mozambique*

6:20 Weiqiang Lin*, National University of Singapore; *Infrastructuring Responsibility, Responsibilizing Infrastructure: Affective Politics in Airspace Production*

Saturday-103-5:00 p.m. Geographies of Media V: Media and Public Parks (Sponsored by Media and Communication Geography Specialty Group)

Room: President's Boardroom, Omni, East (Paper)

Time: 5:00 p.m. - 6:40 p.m.

ORGANIZER(S): Emily Fekete, American Association of Geographers

CHAIR: Laurel Golden

5:00 Vuokko Heikinheimo*, University of Helsinki, Digital Geography Lab; Tuuli Toivonen, University of Helsinki, Digital Geography Lab; *Understanding human-nature interactions with location-based social media data*

5:20 Jake Leizear*, Chesapeake Conservancy; *Leveraging Publicly Available "Big Data" to Inform Conversation Decisions*

5:40 Lilian Pintea*, the Jane Goodall Institute; Rachael Petersen, MIT; Timothy Akugizibwe, the Jane Goodall Institute-Uganda; Agaba Hillary Kumanya, Uganda Wildlife Authority; Liz Bourgault, WRI; *Forest Watcher mobile app: What Makes Satellite Data Actionable for Chimpanzee Conservation in Uganda*

6:00 Laurel Golden*, California State University, Long Beach; *Listening to Nature: Analyzing Soundscapes in Yosemite National Park*

SATURDAY April 6 • 7:30 PM - 10:00 PM

**Saturday-010-6:50 p.m. AAG Shorts 2019—Short Films
made by Geographers or about Geography II
(Sponsored by Film-Making and Screening Specialty
Group)**

Room: Delaware A, Marriott, Lobby Level (Panel)

Time: 7:30 p.m. - 10:00 p.m.

ORGANIZER(S): Jessica Jacobs, Queen Mary University of London

CHAIR: Jessica Jacobs, Queen Mary University of London

SATURDAY April 6 • 6:50 PM - 7:50 PM

**Saturday-026-6:50 p.m. Latinx Geographies Specialty Group
Business Meeting (Sponsored by Latinx Geographies
Specialty Group)**

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

**Saturday-069-6:50 p.m. Landscape Specialty Group Business
Meeting (Sponsored by Landscape Specialty Group)**

Room: Wilson B, Marriott, Mezzanine Level (Meeting)

Time: 6:50 p.m. - 7:50 p.m.

ORGANIZER(S): The American Association of Geographers

Presenting author(s) are indicated with an asterisk ().*

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SUNDAY

SUNDAY, April 7 • 8:00 AM - 9:40 AM**Sunday-001-8:00 a.m. Agent-Based Modeling of Human-Environment Interactions (Sponsored by Spatial Analysis and Modeling Specialty Group, Human Dimensions of Global Change Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Nicholas Magliocca, Department of Geography; Tom Evans, University of Arizona - Geography & Development

CHAIR: Nicholas Magliocca, Department of Geography

8:00 Arundhati Jagadish*, Conservation International; Puneet Dwivedi, University of Georgia; Kira Danielle McEntire, Trinity University; Mamta Chandar, Jagriti, India; *Trees Down, Forests Up: Projecting Woodfuel Sustainability in the Rural Himalayas, India*

8:20 Garry Sotnik*, Idaho State University; Morey Burnham, Idaho State University; Vicki Hillis, Boise State University; Jodi Brandt, Boise State University; *Using a spatio-temporal social-ecological decision support system to analyze resilience, vulnerability, and adaptive capacity of farmers to reduced water availability in southeast Idaho*

8:40 Vicki Hillis*, Boise State University; Kendra Kaiser, Boise State University; Alejandro Flores, Boise State University; *A cultural evolutionary agent-based model of land-use change in the Treasure Valley region of Idaho*

9:00 Patrick Bitterman*, University of Vermont; Christopher Koliba, University of Vermont; *Rules of the games: an agent-based framework for modeling multi-scale water governance actors in the Lake Champlain Basin*

9:20 Jason Hawes*, Department of Forestry and Natural Resources, Purdue University; Zhao Ma, PhD, Department of Forestry and Natural Resources, Purdue University; Morey Burnham, PhD, Department of Sociology, Social Work and Criminology, Idaho State University; David Yu, PhD, Lyles School of Civil Engineering and Department of Political Science, Purdue University; *Performance of behavioral theory-informed integrative models for predicting impacts of reduced water availability*

Sunday-002-8:00 a.m. Re-examining the Emerging Chinese Social Landscape

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Shu-Wei Tsai, University of California - Berkeley; Jiong Wu, Syracuse University

CHAIR: Jiong Wu, Syracuse University

8:00 Jiong Wu*, Syracuse University; *The Making of the Village Middle Class: New Living Landscapes and Social Subjectivities in Chinese Peri-urban Villages*

8:20 Shu-Wei Tsai*, University of California - Berkeley; *Nostalgic Gentrification: Resettlement Communities along the Grand Canal in Hangzhou, China*

8:40 Qian LU*, Tsinghua University; Lu YANG, Xi'an Jiaotong University; Tianyu ZHU, Technical University Munich; *Sunken Village on the Loess Plateau: The Transformation of Rural Settlement Landscape in Liangjiazhuang Village, Shaanxi Province, China*

9:00 Shuang Wu*, Hong Kong Baptist University; *The Deterritorialization of State-owned Enterprises in Northeast China*

Sunday-004-8:00 a.m. Community Geography I: Thinking, Doing, and Teaching Community Geography (Sponsored by Applied Geography Specialty Group, Digital Geographies Specialty Group, Health and Medical Geography Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jerry Shannon, University of Georgia; Amber Bosse, University of Kentucky

CHAIR: Jerry Shannon, University of Georgia

Panelist(s): Jerry Shannon, Asst. Professor, University of Georgia; Jonnell Robinson, Syracuse University

Discussant(s): Heather Fischer, Arizona State University; Timothy Hawthorne, Assistant Professor of GIS, University of Central Florida; Patricia Solis, Executive Director, Arizona State University

Sunday-005-8:00 a.m. Affect(ing) the Classroom: Theory and Teaching in Cultural Geography (Sponsored by Cultural Geography Specialty Group, Geography Education Specialty Group)

Room: Maryland B, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jared Van Ramshorst, Syracuse University

CHAIR: Jared Van Ramshorst, Syracuse University

Introduction(s): Jared Van Ramshorst, Doctoral Candidate, Syracuse University

Panelist(s): Leila Dawney, University of Brighton, UK; Alan Latham, Doctor, University College London; Minelle Mahtani, University of British Columbia; Jamie Winders, Professor, Syracuse University

Sunday-006-8:00 a.m. Introducing the Radical Housing Journal: Launch of Issue 1 and Scholar-Activist Work from Forthcoming Issues (Part I)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Erin McElroy, University of California - Santa Cruz

CHAIR: Michele Lancione

8:00 Introduction(s): Michele Lancione

8:05 Introduction(s): Erin McElroy, University of California - Santa Cruz

8:10 Hazel Dizon*, York University; *Philippine Housing Takeover: How the Urban Poor Claimed their Right to Shelter*

8:28 Josh Akers*, University of Michigan-Dearborn; Dine Butler, CUNY; Eric C Seymour, PhD, Brown University; Wade Rathke, ACORN International; *Liquid tenancy: Community Organizing Post-Crisis and New Forms of Resistance*

8:46 Mehedi Khan*, York University; Douglas Young, York University; *When "Just Right" is Not Right: Pushing Back Against Austerity in Toronto*

9:04 Veda Popovici*, FCDL (Common front for the right to housing); Michele Lancione, Urban Institute, University of Sheffield; Erin McElroy, Feminist Studies, University of California, Santa Cruz; *How the Roma are fighting back: An Antipode Scholar-Activist project on housing resistance in Romania*

9:22 Bjarke Risager*, University of Toronto; *Resistance to displacement, recomposition of class: Lessons from a rent strike in Hamilton, Ontario*

SUNDAY April 7 • 8:00 AM - 9:40 AM**Sunday-016-8:00 a.m. Mobility of older adults I (Sponsored by Transportation Geography Specialty Group, Urban Geography Specialty Group, Population Specialty Group)**

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jessica Villena Sanchez, University of Denver; Eric Boschmann, University of Denver

CHAIR: Eric Boschmann, University of Denver

8:00 DRISTI NEOG*, Westfield State University - Westfield, MA; *Moving an Aging Nation; Can Public Transit be Part of the Solution***8:20** Bruce Newbold*, McMaster University; *Driving Cessation amongst Canada's Older Adults Living in Rural and Small Urban Communities***8:40** Kyusik Kim*, Florida State University; Kyusang Kwon, Korea Research Institute for Human Settlements; *The Impacts of Urban Environments on Travel Distance of Elderly in the Seoul Metropolitan Region***9:00** Jessica Villena Sanchez*, University of Denver; *Aging mobilities in the Global South, Mexico City case***Sunday-019-8:00 a.m. Just and Unjust Geographies (Sponsored by Black Geographies Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Rashad Shabazz, Arizona State University

CHAIR: Rashad Shabazz, Arizona State University

Introduction(s): Rashad Shabazz, Associate Professor, Arizona State University**Panelist(s):** Angeline Young; Brett Goldberg, The Bridges We Burn; Danielle Lucero, Arizona State University; Justine Hecht, Arizona State University**Sunday-020-8:00 a.m. Finance and Environmental Crises:****Disaster Capitalism beyond the Shock Doctrine (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Jenny Goldstein, Cornell University; Sarah Knuth, Department of Geography, Durham University; Shaina Potts, University of California-Los Angeles

CHAIR: Jenny Goldstein, Cornell University

8:00 Matthew Archer*, Copenhagen Business School; *Emergent Sustainability in a Scandinavian Bank***8:20** Albina Gibadullina*, University of British Columbia; *Producing Financial Governance through Complexity Science***8:40** Benjamin Rubin*, CUNY - Graduate Center; *Growth by Abandonment: Oil booms, busts, and the production of financial and environmental crisis***9:00** Kimberley Thomas*, Temple University; *Perfect environments for investment: disaster capitalism and climate change in Vietnam and Bangladesh***9:20 Discussant(s):** Miriam Greenberg**Sunday-024-8:00 a.m. Urban Futures: Planning, Politics, Possibilities (Sponsored by Urban Geography Specialty Group)**

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Minn, Farmingdale State College

CHAIR: Michael Minn, Farmingdale State College

8:00 Andrew Hoolachan*, *Towards an urban political ecology for planning policy: the scalar tensions of sustainable urban futures in East London***8:20** Mike Kohout*, California State University, San Bernardino; *Future Geographies of the Suburban Metropolis in California's Deserts***8:40** Stephen Wheeler*, U.C. Davis; *The Social Ecology of Sustainability: Planning for Societies That Can Plan for Sustainability***9:00** Allan Shearer*, The University of Texas at Austin; David J Kilcullen, Cordillera Applications Group; *Conceptualizing Antifragility of Dense Urban Areas***9:20** Michael Minn*, Assistant Professor, Farmingdale State College; Bethany Brooke Cutts, North Carolina State University; *Absolute, Abstract, and Differential Space: A Lefebvrian Framework For Evaluating Praxis***Sunday-025-8:00 a.m. When Clarence Didn't Meet David: Thirty Years after "Regime Politics", "Urban Entrepreneurialism" and Future Debates in Urban and Regional Political Economy (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group)**

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kevin Ward, University of Manchester; David Imbroscio, University of Louisville

CHAIR: Kevin Ward, University of Manchester

Panelist(s): Mark Davidson, Clark University; Katherine Hankins, Associate Professor, Georgia State University; David Imbroscio, University of Louisville; Helga Leitner, Professor, University of California, Los Angeles**Sunday-026-8:00 a.m. Geographies of Presence and Absence (Sponsored by Cultural Geography Specialty Group)**

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Joern Langhorst, University of Colorado Denver, College of Architecture and Planning; Nick Patin, University of Colorado - Denver

CHAIR: Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

Panelist(s): Nick Patin, University of Colorado - Denver**Sunday-028-8:00 a.m. Gender, Sexuality and Subjectivities**

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sherah Faulkner

CHAIR: Sherah Faulkner

8:00 MAYURI SENGUPTA*, University of British Columbia; *Participatory motivations and gendered subjectivities in forest conservation: A case study of tribal communities in the Bagafa forest of Tripura (Northeast India)***8:20** Lorena Muñoz*, University of Minnesota; *Queering the (in)formal economy: Spatial recovery and anti-vending local policies in the Global South.***8:40** Sherah Faulkner*, *The Mechanics of the Milieu*

SUNDAY, April 7 • 8:00 AM - 9:40 AM**Sunday-036-8:00 a.m. Critical Spatial Practices**

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Brent Sturlaugson, University of Kentucky; Gregory Marinic, UNIVERSITY OF KENTUCKY

CHAIR: Brent Sturlaugson, University of Kentucky

Introduction(s): Brent Sturlaugson, University of Kentucky**Panelist(s):** Emma Colven, UCLA; Renee Tapp, PhD, Harvard University; Elisa Iturbe; Elizabeth Yarina, MIT; Nate Millington, University of Manchester; Marcus Owens, UC Berkeley College of Environmental Design**Discussant(s):** Gregory Marinic, UNIVERSITY OF KENTUCKY**Sunday-037-8:00 a.m. Interdisciplinary Mentorship in Communities of Practice: Experiences, Best Practices, and Challenges (Sponsored by Careers and Professional Development)**

Room: Washington 2, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Wendy Jepson, Texas A&M University

CHAIR: Wendy Jepson, Texas A&M University

Introduction(s): Amber Pearson, Asst Professor, Michigan State University**Panelist(s):** Justin Stoler, Associate Professor, University of Miami; Ellis Adams, Assistant Professor, Georgia State University; Amber Wutich; Farhana Sultana, Associate Professor, Syracuse University**Discussant(s):** Wendy Jepson, Professor, Texas A&M University**Sunday-038-8:00 a.m. Geographies of Shale Gas Development**

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Shanon Donnelly, University of Akron

CHAIR: Shanon Donnelly, University of Akron

8:00 Shanon Donnelly*, University of Akron; Felix Asare-Bediako, University of Akron; *Modelling land cover change resulting from shale gas gathering pipelines using a least cost path approach***8:20** Joseph Oduro Appiah*, University of Northern British Columbia - Prince George, BC; Christopher Opio, University of Northern British Columbia; Shanon Donnelly, University of Akron; *Between time points and locations: assessing forest change from shale gas infrastructure development in northeastern British Columbia, 1975 to 2017***8:40** Thomas Loder*, Texas A&M University; *A magic city no more?: economic and cultural change in a Bakken boomtown city***9:00** Magdalini Kechagia*, University of Plymouth; Ian Bailey, University of Plymouth; Nichola Harmer, University of Plymouth; *Understanding sense of place and energy justice in shale gas development in England***Sunday-040-8:00 a.m. Conducting Fieldwork in China: Negotiating Power and Positionality (Sponsored by China Specialty Group, Political Geography Specialty Group, Qualitative Research Specialty Group)**

Room: Washington 5, Marriott, Exhibition Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Yifan Cai, Clark University; Wenjing Jiang, Clark University

CHAIR: Wenjing Jiang, Clark University

Panelist(s): Daniel Abramson, University of Washington; Yifan Cai, Clark University; Samuel Berlin; Wenjing Jiang, Clark University; Tyler Harlan, Cornell University; Max Woodworth, Assistant Professor, The Ohio State University**Discussant(s):** Xiaobo Su, Associate Professor, University of Oregon**Sunday-041-8:00 a.m. Transformation of What, for Whom, by Whom? (I): Uneven Vulnerabilities, Uneven Transformations (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Karina Benessaiah, McGill University; Benjamin Warner, University of New Mexico

CHAIR: Karina Benessaiah, McGill University

8:00 Tim Forsyth*, London School of Economics; Constance McDermott, Environmental Change Institute, University of Oxford; Oliver Springate-Baginski, School of Development Studies, University of East Anglia; *What is a socially inclusive transformation? Rethinking resilience to climate change under livelihoods transitions in Myanmar and Nepal***8:20** Edward Carr*, Clark University; *Properties and Projects: Reframing Socio-ecological Resilience***8:40** Benjamin Warner*, Ph.D., University of New Mexico; Jami Gayle Nunez, Ph.D., University of New Mexico; Marygold Walsh-Dilley, Ph.D., University of New Mexico; Chris S Duvall, Ph.D., University of New Mexico; *Intersectionality in rural transformation projects in Latin America's changing climate***9:00** David Eisenhauer*, Rutgers; *Political pathways out of maladaptive space: Catalyzing the urgent need for transformative change towards a more just and sustainable planet***9:20 Discussant(s):** Karina Benessaiah, McGill University**Sunday-047-8:00 a.m. Space and Social Networks**

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Young Jaegal, Ohio State University

8:00 Josh Redmond*, University of Exeter; *Too distant or too different? The competing roles of homophily and distance in tie formation for an urban environmental stewardship network***8:20** SENEM KAYMAZ KOCA*, YILDIZ TECHNICAL UNIVERSITY FACULTY OF ARCHITECTURE; ZEKAİ GÖRGÜLÜ, YILDIZ TECHNICAL UNIVERSITY FACULTY OF ARCHITECTURE; TULİN GÖRGÜLÜ, YILDIZ TECHNICAL UNIVERSITY FACULTY OF ARCHITECTURE; *Information as Catalysts of Transformation in Spaces of Istanbul***8:40** Philip Boland*, Queen's University Belfast; *Illegal Geographies and Spatial Planning: Developing a Dialogue on Drugs***9:00** Jiahui Ma*, *A Social Network Analysis of Global Trade of Intermediate Goods*

SUNDAY April 7 • 8:00 AM - 9:40 AM**Sunday-048-8:00 a.m. Robotocene: The Political Ecology of Automation I; Production (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Paul Robbins, Nelson Institute for Environmental Studies University of Wisconsin

CHAIR: Karen Bakker, University of British Columbia

8:00 Paul Robbins*, Professor and Director, Nelson Institute for Environmental Studies University of Wisconsin; Douglas Reinemann, University of Wisconsin-Madison; *The political ecology of robots: Dairy labor, automation, and the secret life of cows*

8:15 Julia E Corwin*, PhD, London School of Economics and Political Science; *Analog work in a digital world: global ecologies of electronics repair*

8:30 Alberto Valz Gris*, Polytechnic University of Turin; *Urbanization across the li-ion network: towards an urban political ecology of automation*

8:45 Matt Huber*, Syracuse University; *Ecosocialism: Dystopian and Scientific*

9:00 Lily House-Peters*, California State University, Long Beach; Katherine G Sammler, California State University Maritime; Casey R Lynch, University of Arizona; *The 'Robot' in the Coal Mine: Emerging Regimes of Extractivism in the Robotic Age*

9:15 Discussant(s): Karen Bakker, University of British Columbia

Sunday-050-8:00 a.m. Future of Dams 1

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Catherine Ashcraft, University of New Hampshire; Kelly Addy, University of Rhode Island; Bridie McGreavy, University of Maine

CHAIR: Catherine Ashcraft, University of New Hampshire

8:00 Alexandra Evans*, University of New Hampshire; Scott Greenwood, University of New Hampshire; Kevin Gardner, PhD, PE, University of New Hampshire; Denise Burchsted, PhD, Keene State College; *Using small unmanned aerial systems to evaluate downstream geomorphic impacts from dam removal*

8:20 Kimberly Meitzen*, Texas State University; Jessica Graham, Southeast Aquatic Resource Partnership; Kathleen Hoenke, Southeast Aquatic Resource Partnership; *Stream Barrier Prioritization Analysis to Improve Aquatic Connectivity: A Pilot-Project in the Upper Guadalupe River, Texas*

8:40 Kelly Addy*, University of Rhode Island; James Turek, NOAA; Kory Bannon, University of Rhode Island; Art Gold, University of Rhode Island; David Hart, University of Maine; Kevin Gardner, University of New Hampshire; *Cost analysis of migratory fish passage restoration projects funded by the National Marine Fisheries Service, Northeast Region*

9:00 Simone Chapman*, University of New Hampshire; Catherine M. Ashcraft, University of New Hampshire; *Who wins and loses from "no net loss"? Socioeconomic and participatory differences in compensatory mitigation*

9:20 Discussant(s): Catherine Ashcraft, Assistant Professor, University of New Hampshire

Sunday-051-8:00 a.m. Practices of Territorialization: Municipalism and Radical Local Politics

Room: Johnson, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Sophie Gonick, New York University; Lana Salman, University of California - Berkeley

CHAIR: Sophie Gonick, New York University

8:00 Lana Salman*, University of California - Berkeley; *Another world is possible: the state and its counter-territories in Tunisia*

8:20 Darren Patrick*, York University; *Che Genere di Città? TransFeministQueer Autonomy and its Municipalist Possibilities*

8:40 Dan Furukawa Marques*, Université Laval; *The Movement of Homeless Workers and the Construction of Political Communities*

9:00 Sophie Chamas*, Ms; *Take Back the City: Community Organizing in Beirut*

9:20 Discussant(s): Sophie Gonick, New York University

Sunday-052-8:00 a.m. Organizing in Chocolate City: Race, Planning, and Social Justice in Washington, DC (Sponsored by Black Geographies Specialty Group)

Room: Marshall East, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Hilary Malson, University of California - Los Angeles

CHAIR: Malini Ranganathan, American University

Introduction(s): Hilary Malson, PhD Student, University of California - Los Angeles

Panelist(s): Willow Lung-Amam, Assistant Professor, University of Maryland, College Park; Brandi Summers, Assistant Professor, African American Studies, Virginia Commonwealth University; Samir Meghelli, Chief Curator, Smithsonian Anacostia Community Museum

Discussant(s): Malini Ranganathan, Assistant Professor, American University

Sunday-053-8:00 a.m. Point-Based Data for Entrepreneurship Research: Methods, Applications, and Comparisons

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Kevin Credit, Michigan State University

CHAIR: Kevin Credit, Michigan State University

Sunday-054-8:00 a.m. The Present and Future of Coral Reefs: Perspectives from the Coral Cabal

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Amelia Moore, University of Rhode Island; C. Anne Claus, American University

CHAIR: Amelia Moore, University of Rhode Island

8:00 C. Anne Claus*, American University; Amelia Moore*, Assistant Professor, University of Rhode Island -; *Welcome to the Coral Cabal*

8:20 Rennie Meyers*, University of Rhode Island Marine Affairs; *An aesthetics of resilience: design and agency in contemporary coral restoration*

8:40 Jessica Vandenberg*, University of Rhode Island; *The Mismatch Between Objectives and Outcomes in Coral Reef Restoration Programs in Indonesia: A Case Study in the Spermonde Archipelago of Indonesia*

SUNDAY, April 7 • 8:00 AM - 9:40 AM

9:00 Irus Braverman*, University at Buffalo School of Law, The State University of New York; *Coral Whisperers: Scientists on the Brink*

9:20 Discussant(s): Amelia Moore, Assistant Professor, University of Rhode Island

Sunday-055-8:00 a.m. Rethinking and Resisting Capitalism

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Max Hantel, Rutgers University

8:00 Fred Block*, Department Of Sociology; *Reconsidering the Concept of Capitalism*

8:20 Shemon Salam*, *Revolution and Counter Revolution in Black Geographies*

8:40 Max Hantel*, Rutgers University; *Racial Capitalism and Regimes of Accumulation: Rosa Luxemburg, Fungibility, and Liminal Political Economy*

Sunday-056-8:00 a.m. Geography of Health and Disease I: Modeling

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: André Skupin, San Diego State University

8:00 Shiran Zhong*, SUNY - Buffalo; Ling Bian, SUNY - Buffalo; *Impact of sub-graphs in dynamic disease networks*

8:20 Yi-Chen Wang*, National University of Singapore; *Can Liver Fluke Infection Risk be Modeled?*

8:40 Elizabeth Weaver*, Virginia Tech; Korine Kolivras, Virginia Tech; *Ecological Niche Modeling of Coccidioidomycosis in the Western U.S.*

9:00 Wei Xu*, Grad Student, University of Wisconsin Milwaukee; *Socio-physical environments and dementia mortality risk: A multilevel logistic regression analysis*

9:20 André Skupin*, Center for Information Convergence and Strategy, San Diego State University; *Spatial Intelligence for Health*

Sunday-057-8:00 a.m. Health Care and Beyond

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Ishan Shams, George Mason University

8:00 Kathryn Kulbicki*, Westat; *The Effects of Distance on Foster Care Outcomes*

8:20 Ishan Shams*, George Mason University; *Planetary Defense Mitigation Gateway*

Sunday-058-8:00 a.m. Reimagining the Value of Food (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Angela Babb, Indiana University

CHAIR: Angela Babb, Indiana University

8:00 Adam S. Dohrenwend*, University of Kansas; *"The Problem is the Low Price": Social Drivers of Environmental Change in Yerba Mate Cultivation*

8:20 Kassandra Leuthart*, Indiana University; Angela Babb, PhD, Indiana University; Daniel Knudsen, PhD, Indiana University; *Farm Justice and Parity Pricing*

8:40 Jed DeBruin*, West Virginia University; *Super-Localizing Food as Tourism Development: Producing the 30 Mile Meal™ in Athens, Ohio*

9:00 Angela Babb*, Indiana University; *Toward a Fair and Holistic Valuation of Food*

9:20 Discussant(s): Daniel Knudsen, Professor, Indiana University

Sunday-060-8:00 a.m. Who Adapts to Environmental Hazards, and Why? The Role of Differential Psychology in Environmental Vulnerability, Resilience, and Adaptation. (Sponsored by Environmental Perception and Behavioral Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Cultural and Political Ecology Specialty Group)

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Paul Chakalian, Arizona State University

CHAIR: Paul Chakalian, Arizona State University

8:00 Rebecca Nixon*, Purdue University; Zhao Ma, Purdue University; Bushra Khan, University of Peshawar; Linda Lee, Purdue University; *Adaptation, transformation, and the associated trade-offs in river-based livelihoods in northern Pakistan*

8:20 Chandika Shrestha*, Durham University; Sarah Atkinson, Professor, University of Durham; Niall Cunningham, University of Durham; Katie Oven, University of Durham; *Understanding the Post-disaster health and wellbeing of women: A case study of the Gorkha earthquake, Nepal*

8:40 Paul Chakalian*, Arizona State University; *Risk Perception Paradox for Vulnerable Households During a Hypothetical Heat-Wave Power Failure Event*

9:00 Weifeng Li*, Department of Urban Planning and Design, The University of Hong Kong; Jing Song, University of Hong Kong; Jiansheng Wu, Peking University Shenzhen Graduate School; *Planning for Resilient Cities: Human-environment Transaction Model for Understanding Individual Resilience to Urban Flooding*

9:20 Saadatu Baba*, Kaduna State University; *Gender, Culture & Climate Change Adaptation among smallholder households in rural Northern Nigeria*

Sunday-061-8:00 a.m. Rethinking the Fix: Development, Planning, and the Normalization of Poverty I

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Caroline Keegan, University of Georgia; Eric Goldfischer, University of Minnesota - Minneapolis

CHAIR: Christine Jocoy, California State University - Long Beach

8:00 Introduction(s): Eric Goldfischer, University of Minnesota - Minneapolis

SUNDAY April 7 • 8:00 AM - 9:40 AM

8:20 Michelle Padley*, University of North Carolina - Chapel Hill; *Fixing the "Housing Crisis": A Case Study of the Low Income Housing Tax Credit*

8:40 Sophie O'Manique*, "Housing Opportunities" for Whom? Examining the Uneven Outcomes of "Housing Opportunities Toronto: Affordable Housing Action Plan 2010-2020"

9:00 Mel Nowicki*, Oxford Brookes University; Ella Harris, Goldsmiths University of London; *Fixing the housing crisis or fixing crisis in place? 'Pop-up' and 'micro' solutions to London's housing crisis*

9:20 Sarah Stinard-Kiel*, PhD Student, Temple University; *CBT, Mindfulness, and Psycho-fixes to Poverty; or You Can't Think Your Way Out of Capitalism*

Sunday-062-8:00 a.m. Automating Land Cover Change Analyses of Multi-temporal Satellite Imagery I (Sponsored by Remote Sensing Specialty Group)

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matthew Dannenberg, University of Iowa; Christopher Hakkenberg, Rice University

CHAIR: Christopher Hakkenberg, Rice University

8:00 Matthew Dannenberg*, University of Iowa; Conghe Song, University of North Carolina at Chapel Hill; Christopher Hakkenberg, Rice University; *A long-term, consistent land cover history of the southeastern United States based on automatic adaptive signature generalization and multi-temporal Landsat imagery*

8:20 Chong Liu*, Jiangxi Normal University; Qi Zhang, Boston University; *Continuous impervious surface dynamics mapping with Landsat time-series data*

8:40 Zhihao Wang*, The Ohio State University; Desheng Liu, The Ohio State University; *A Method to Optimize Temporal Sequence and Spatial Context in Multi-Temporal Land Cover Maps*

9:00 Su Ye*, Graduate School of Geography, Clark University; John Rogan, Graduate School of Geography, Clark University; *Characterizing Bark Beetle Early Attack Using Landsat Analysis Ready Data (ARD) in the Pine Forest of Northern Colorado, USA*

9:20 Rick Mueller*, USDA/National Agricultural Statistics Service; Patrick Willis, usda/nass; *Eleven Continuous Years of Annual National Cropland Data Layer - Land Cover Products*

Sunday-063-8:00 a.m. Coastal Issues Related to Hurricane Events: Integrated Studies of Hurricanes Florence, Michael, and Other Storms

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Thomas Vogel

CHAIR: Thomas Vogel

8:00 Montana A Eck*, University of North Carolina at Chapel Hill; *Extreme Precipitation and Inland Flooding in the Carolinas: Impacts of the 2018 Hurricane Season*

8:20 Nicole Hutton*, Old Dominion University; Michael Allen, Old Dominion University; *All Eyes of Emergency Power Regulation: The Case of Florida's Nursing Homes*

8:40 Luz Agudelo*, *An Analysis of community resilience to flood/hurricane hazards in Charleston, SC.*

9:00 Gainbi Park*, University of Wisconsin - Milwaukee; Zengwang Xu, University of Wisconsin-Milwaukee;

Vulnerability assessment of the Houston-Galveston area for Hurricane Harvey

9:20 Nicole Casamassina*, Texas A&M University; Oliver Frauenfeld, Texas A&M University; *Estimating Losses from Hurricane Harvey Using FEMA's HAZUS-MH Model*

Sunday-064-8:00 a.m. Imperial Futures Past: Specter and Speculation in (De)militarized Landscapes (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group, Landscape Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Bridget Martin, University of California, Berkeley

CHAIR: Alexander Arroyo, University of California - Berkeley

8:00 Bridget Martin*, University of California, Berkeley; *Into Seoul's Forbidden Land: Building the City and "Healing" the Nation through US Yongsan Garrison's Green Demilitarization*

8:20 Alexander Arroyo*, University of California - Berkeley; *Making the Earth Count: From Living Laboratory to Laboratory Planet*

8:40 Muira McCammon*, *Children as Civilian Non-Knowers and Hunters: Reimagining and Demilitarizing the Adak Naval Base*

9:00 Andrew Merrill*, University of Toronto; *Spectres of War: Spectacle, Arms Fairs and the Martial Sublime*

9:20 Discussant(s): Shiloh Krupar, Provost's Distinguished Associate Professor, Georgetown University

Sunday-066-8:00 a.m. The Geographer Marx (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Waquar Ahmed, Department of Geography; Ipsita Chatterjee, University of North Texas

CHAIR: Waquar Ahmed, Department of Geography

Panelist(s): Davd Featherstone, University of Glasgow; Salvatore Engel-Di Mauro, SUNY New Paltz; Ipsita Chatterjee, Associate Professor of Geography, University of North Texas; Balbir Butola, CSRD, JAWAHARLAL NEHRU UNIVERSITY, NEW DELHI INDIA; Ilias Alami, Dr, Maastricht University; Melissa Wright, Professor, Penn State University

Discussant(s): Kelly Kay, University of California, Los Angeles

Sunday-067-8:00 a.m. Author Meets Critics: "Contested Territory: Dien Bien Phu and the Making of Northwest Vietnam" by Christian Lentz

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Scott Kirsch, UNC-Chapel Hill; Joseph Palis, University of the Philippines-Diliman

CHAIR: Scott Kirsch, UNC-Chapel Hill

Introduction(s): Scott Kirsch, Associate Professor, UNC-Chapel Hill

Panelist(s): Nga Dao, Lecturer, York University; Pamela McElwee, Associate Professor, Rutgers; Scott Kirsch, Associate Professor, UNC-Chapel Hill

Discussant(s): James Tyner, Kent State University; Christian Lentz, Assistant Professor, UNC Department of Geography

SUNDAY, April 7 • 8:00 AM - 9:40 AM**Sunday-068-8:00 a.m. Understanding Resilience and Adaptation using Social-ecological Network Analysis (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)**

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Matthew Hamilton, Ohio State; Jesse Sayles, EPA; Alexandra Paige Fischer, School for Environment and Sustainability

CHAIR: Matthew Hamilton, Ohio State

8:00 Matthew Hamilton*, The Ohio State University; Alexandra Paige Fischer, University of Michigan; Lorien Jasny, University of Exeter; *Who are the brokers of collaborative risk management in wildfire-prone landscapes?***8:20** Lorien Jasny*, University of Exeter; *Clustering Stewardship network profiles***8:40** Meghan Klasic*, Center for Environmental Policy and Behavior, University of California - Davis; Rachel Lamb*, Department of Geographical Sciences, University of Maryland, College Park; Vanessa Vargas-Nguyen, Marine, Estuarine, Environmental Science, University of Maryland Center for Environmental Science; Kelsey Leonard, Department of Political Science, McMaster University, Canada; *Exploring the role of social-ecological network structures in explaining Lake Erie water quality governance***9:00** Cody Evers*, Alan Ager, PhD, USDA Forest Service, Rocky Mountain Research Station; Max Nielsen-Pincus, PhD, Portland State University; Derric Jacobs, PhD, Portland State University; *The Land Tenure of Wildfire Risk Management Systems***9:20** Jesse Sayles*, Dr., ORISE Fellow Appointed with the US Environmental Protection Agency, Office of Research and Development; Matthew Hamilton, Dr., The Ohio State University; Maria Mancilla Garcia, Dr., Stockholm Resilience Centre; *Social-ecological network analysis in human-environment research and practice***Sunday-069-8:00 a.m. Urban Crime Mapping and Analysis Using GIS I (Sponsored by Cartography Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Wilson B, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Leitner, Louisiana State University; Alina Ristea, University of Salzburg

CHAIR: Michael Leitner, Louisiana State University

8:00 Introduction(s): Michael Leitner, Full Professor, Louisiana State University**8:20** Jared Aldstadt*, University at Buffalo; Jeon Young Kang, PhD., CyberGIS Center for Advanced Digital and Spatial Studies, University of Illinois at Urbana-Champaign; *The social and spatial networks of homicide***8:40** Amy Dezember*, Kathryn Kulbicki, Westat; Ben Korelitz, Westat; Kristi Meadows, Westat; *An examination of the geographic characteristics of victimization experiences in the Local Crime Victimization Survey (LCVS)***9:00** Alina Ristea*, Department of Geoinformatics Z_GIS, University of Salzburg, Austria; Bernd Resch, Department of Geoinformatics Z_GIS, University of Salzburg, Austria; Harvard University, Cambridge, Massachusetts, USA; Michael Leitner, Department of Geography and Anthropology, Louisiana State University, Baton Rouge, USA; Department of Geoinformatics Z_GIS, University of Salzburg, Austria; *Review of evaluation methods for space-time crime forecasting models***9:20** Michael Leitner*, Full Professor, Louisiana State University; Pascal Krauthausen, Department of Geography and Regional Research, University of Vienna; Piotr Trzepacz, Institute of Geography and Spatial Management, Jagiellonian University; *Evaluating the spatial correlation between graffiti and crime***Sunday-070-8:00 a.m. Using Coupled Human-Hydrologic Approaches to Advance Water Management and Governance (Sponsored by Water Resources Specialty Group)**

Room: Wilson C, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Ruopu Li, Southern Illinois University; Gengxin Ou

CHAIR: Ruopu Li, Southern Illinois University

8:00 Alex Mayer*, Michigan Technological University; Kelly Jones, Colorado State University; Sara Alian, Oklahoma State University; Heidi Asbjornsen, University of New Hampshire; Carter Berry, Chapman University; Sergio Lopez, Michigan Technological University; Robert Manson, Institute of Ecology (INECOL); Jacob Salcone, United Nations Environment Programme; Juan Von Thaden, Institute of Ecology (INECOL); *Coupled human-natural systems modeling for assessing and optimizing payment for watershed services programs in Veracruz, México***8:20** Alexander Ross*, Portland State University; *Integrated Water Resources Management in Exurban Places: A multi-scalar approach to modeling the dual impacts of climate and population changes in Hood River, Oregon***8:40** Shiqi Tao*, Michigan State University; Jiaguo Qi, Michigan State University; Qi Zhang, University of North Carolina at Chapel Hill; *The Effect of Climate Change and Human Activities on Water in Tibet Plateau***9:00** Yanin Kramsky*, University of California - Berkeley; *Framing water vulnerability in California's San Joaquin Valley: Contested knowledge regimes, slipping alliances, and ambiguous collaboration***9:20** Matthew Hopton, U.S. Environmental Protection Agency; Xin Fu*, U.S. Environmental Protection Agency; Xinhao Wang, University of Cincinnati; Haynes Goddard, U.S. Environmental Protection Agency; *Development of a runoff trading system to meet watershed-level stormwater management goals with parcel-level green infrastructure***Sunday-072-8:00 a.m. Livelihoods, Society, and Environment Intersections in Africa (Sponsored by Africa Specialty Group)**

Room: Stones Throw 1, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Raymond Tutu, Delaware State University

CHAIR: Raymond Tutu, Delaware State University

SUNDAY April 7 • 8:00 AM - 9:40 AM

8:00 Rachel Voss*, University of California - Santa Cruz; *ICT-enabled agricultural extension in Senegal: A case study of ICT4D effectiveness and equity*

8:20 Uvirkaa Akumaga*, Oklahoma State University, Stillwater, Oklahoma; *Projected changes in intra-season rainfall characteristics in the Niger River Basin, West Africa*

8:40 Elia Axinia Machado*, Assistant Prof., Lehman College, CUNY; Helene Purcell, Fordham University; Andrew M Simons, Assistant Professor, Fordham University; Stephanie Swinehart, Fordham University; *The quest for greener pastures: evaluating the livelihoods impacts of providing vegetation condition maps to pastoralists in Eastern Africa*

9:00 Phil Sarrazin*, Southern Connecticut State University; *Socio-spatial Impacts and Legacy of the 2010 World Cup in South Africa*

9:20 Mary Galvin*, University of Johannesburg; *Deceptive Lenses: a shared misrepresentation of local realities in eThekweni's water and sanitation services*

Sunday-074-8:00 a.m. Place- and People-based Social Policies: Analysis, Evaluation, and Critiques (Sponsored by Ethnic Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Stones Throw 3, Marriott, Mezzanine Level (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Michael Webb, Center for Urban and Regional Studies; Leonor Vanik, UIC-Chicago

CHAIR: Michael Webb, Center for Urban and Regional Studies

8:00 Leonor Vanik*, UIC-Chicago; John Betancur, PhD, University of Illinois at Chicago; *Social Production of Housing from Hurricane Maria: Chicago Perspective*

8:20 Kevin Keenan*, Rowan University; *Prioritizing Place in Urban Policy Analysis: Learning from Charleston, South Carolina*

8:40 Danielle Kerrigan*, McGill University; *"Deformed citizens": The impact of policies promoting homeownership on low-income households*

9:00 Chris Marder*, Jennifer Bernstein, Ph.D., University of Southern California - Spatial Sciences Institute; *The Role of Precision in Spatial Narratives: Using a Modified Discourse Quality Index to Measure the Quality of Deliberative Spatial Data*

9:20 Michael Webb*, Research Associate, Center for Urban and Regional Studies; Molly Gaskin, University of North Carolina - Chapel Hill; Atticus Antonio Jaramillo, Center for Urban and Regional Studies; William M Rohe, Center for Urban and Regional Studies; *Social Cohesion and Neighborhood Opportunity: Surveys of Subsidized Housing Families in Charlotte*

Sunday-080-8:00 a.m. Inhabiting Borderlands

Room: Palladian, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Mara Dicenta, Rensselaer Polytechnic Institute; Dagmar Lorenz-Meyer, Charles University in Prague

CHAIR: Mara Dicenta, Rensselaer Polytechnic Institute

Panelist(s): Stephanie Rutherford, Associate Professor, Trent University; Mark Jackson, Senior Lecturer, University of Bristol; Jessica Lehman, University of Minnesota - Minneapolis; Elaine Stratford, Professor, University of Tasmania; Dagmar Lorenz-Meyer, Charles

University in Prague; Anna Davidson, Dr, University of Huddersfield

Sunday-081-8:00 a.m. Ecological and Social Dynamics of North American Forests: Conversations in Critical Physical Geography (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Diplomat Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Justine Law, Sonoma State University; Christine Biermann, University of Colorado

CHAIR: Christine Biermann, University of Colorado

8:00 Jeffrey Jenkins*, University of California - Merced; *Management misalignments: environmental change, regulatory mandates, and divergent expectations in forest landscapes*

8:20 Anne Short Gianotti*, Boston University; John P Casellas Connors, Texas A&M; *Constituting Suburban Nature: The Ecologies and Politics of Forests, Deer, and People*

8:40 Justine Law*, Sonoma State University; *Ginseng decline in Appalachia? Bridging the science, history, and politics*

9:00 Tony Marks-Block*, Stanford University; *Indigenous burning in Northwest California: Transforming forests and livelihoods*

9:20 Jonathan Hallemeier*, *Collaboration and shaping forest systems in the southern Appalachians*

Sunday-084-8:00 a.m. Author Meets Critics: Juan De Lara's Inland Shift: Race, Space and Capital in Southern California (2018) (Sponsored by Economic Geography Specialty Group, Latinx Geographies Specialty Group)

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Executive Room, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Robert Chlala, University of Southern California

CHAIR: Anne Bonds, University of Wisconsin, Milwaukee

Introduction(s): Anne Bonds, University of Wisconsin, Milwaukee

Discussant(s): Ana Aparicio, Northwestern University; Juan De Lara, Mr., University of Southern California

Panelist(s): Juan Herrera, Assistant Professor, University of California, Los Angeles; Nikki Luke, University of Georgia; Virginia Parks, Professor, University of California at Irvine; Nik Theodore, Professor, University of Illinois at Chicago

Sunday-086-8:00 a.m. The Global Need for Science

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Senate Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Brandon Derman, University of Washington

8:00 Kelly Claborn*, World Wildlife Fund; *Addressing Global Environmental Data Gaps: A Call for Action*

8:20 Qinchang GUI*, East China Normal University; Chengliang Liu, School of Urban and Regional Sciences, Institute for Global Innovation and Development, East China Normal University; Debin Du, School of Urban and Regional Sciences, Institute

SUNDAY, April 7 • 8:00 AM - 9:40 AM

for Global Innovation and Development, East China Normal University; *Does network position foster knowledge production? Evidence from international scientific collaboration network*

8:40 Marina Timofeyeva-Livezey*, NOAA/NWS - Silver Spring; Fiona Horsfall, NOAA NWS; Jenna Meyers, NOAA NWS; Viviane Silva, NOAA NWS; *Emerging Needs for NWS Regional and Local Climate-Informed Decision Support Services*

9:00 Jessica Wyndham*, AAAS Scientific Responsibility, Human Rights and Law Program; *Location-Based Data in Crisis Situations: A Roadmap for Ethical Engagement*

Sunday-088-8:00 a.m. Rethinking the Productivity Puzzle 2

Room: Cabinet Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Tim Vorley

CHAIR: Philip McCann, University of Sheffield

8:00 Leaza McSorley*, Glasgow Caledonian University; *Regional productivity: wage inequality and inclusive growth*

8:20 Tasos Kitsos*, University of Birmingham; Emmanouil Tranos, University of Birmingham; Raquel Ortega-Argiles, University of Birmingham; *Digital economy in the UK regions: the effects for early adopters*

8:40 DUNCAN MACLENNAN*, University of Glasgow - Glasgow; *Placeholder*

9:00 Discussant(s): Philip McCann, University of Sheffield

Sunday-089-8:00 a.m. Water, Floods, and Human Impacts

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Council Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Rory Buckman

8:00 Gavin Shatkin*, Northeastern University; Vera Soemarwi, LLM, Tarumanagara University; *Risk and the Dialectic of State Informality: Property Rights in Flood Prone Jakarta*

8:20 Amanda Fencel*, UC Davis; *Who's impacted by drought-related private well failures? A Spatial Analysis*

8:40 Jared Enriquez*, Cornell University; *Buyouts: Theorizing Exit and Existence in the Path to Recovery*

Sunday-090-8:00 a.m. Debt: Coping, Supporting, Overcoming, Resisting and Enduring

Room: Congressional A, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Christopher Harker, University College London; Richard Johnson, University of Arizona - Geography & Development; Mark Kear, University of Arizona - Geography & Development

CHAIR: Mark Kear, University of Arizona - Geography & Development

8:00 Christopher Harker*, University College London; *Endurance in the seams of colonial space-time in Palestine*

8:20 Esra Alkim Karaagac*, University of Waterloo; *Heroes and ordinaries: Examining constrained and self-conflicted lives in debt geographies*

8:40 Richard Johnson*, University of Arizona - Geography & Development; *Migration, Debt, and Slow Death in the Era of Mass Deportation*

9:00 Syahirah Abdul Rahman*, University of Manchester; *Alternative Ways to Everyday Finance: The Case of Malaysian Financial Intermediaries*

9:20 Ali Bhagat*, Queen's University; *Neoliberalising Racial Disposability: Urban Refugee Survival in Nairobi*

Sunday-091-8:00 a.m. Urban-rural Linkages: Theory, Case Studies and Future I (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Rural Geography Specialty Group)

Room: Congressional B, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Benjamin Goldstein, University of Michigan; Sanaz Chamanara, University of Michigan

CHAIR: Sanaz Chamanara, University of Michigan

8:00 Sanaz Chamanara*, University of Michigan; Joshua P Newell, Associate Professor, University of Michigan-Ann Arbor; *How does Urban relate to the Elsewhere?*

8:20 Laura Taylor*, York University; Patrick T. Hurley, Ursinus College; *Political ecology beyond the city: Harnessing the power of exurban political ecology*

8:40 Robin Lovell*, Manhattan College; *From Farmers to Foodies: Healing the Metabolic Rift Between Hudson Valley Farms and New York City*

9:00 Amy M Lerner*, Universidad Nacional Autónoma de México (UNAM); Patricia Pérez-Belmont, Universidad Nacional Autónoma de México (UNAM); Beatriz Ruizpalacios, Universidad Nacional Autónoma de México (UNAM); *The potential for peri-urban agriculture in sustainability transformations: Lessons from Mexico City and beyond*

9:20 Jennifer Sedell*, University of California, Davis; *Agricultural Pests in the City: Protecting California Ag in the Urban Centers*

Sunday-092-8:00 a.m. Forced Migration and Refugee Policy and Practice in Changing Times

Room: Empire Room, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Abel Chikanda, University of Kansas

CHAIR: Abel Chikanda, University of Kansas

8:00 Discussant(s): Rene Kreichauf, Freie Universität Berlin

8:20 Abel Chikanda*, University of Kansas; *Integrating African Refugees in the American Midwest in Changing Times*

8:40 Mary-Kay Bachour*, University of Toronto; *Housing citizenship: barriers to affordable housing in Toronto*

9:00 Ameen Hassan*, Minnesota State University; *Mapping informal settlements of Syrian Refugees in Aarsal, Lebanon*

9:20 Brenna Foley*, University of Vermont; Pablo Bose, University of Vermont; *Private Sponsorship of Refugees: Exploring a Government's Responsibility to Resettle*

Sunday-093-8:00 a.m. Urban Capacity Building. Radical Social and Spatial Innovation in the 'Countercurrents' of Global Urbanization 1

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Gruia Badescu, University of Konstanz; Panu Lehtovuori, TUT; Tatjana Schneider, Technische Universität Braunschweig

CHAIR: Gruia Badescu, University of Konstanz

8:00 Introduction(s): Gruia Badescu, University of Konstanz

SUNDAY April 7 • 8:00 AM - 9:40 AM

8:05 Panu Lehtovuori*, Professor, Tampere School of Architecture; Dalia Milián Bernal, PhD student, Tampere School of Architecture; *Social and spatial innovation in countercurrents of global urbanisation. Cases of San Borja (Chile) and Pasila (Finland).*

8:25 Tatjana Schneider*, Technische Universität Braunschweig; Šorn Maša, The University of Sheffield; *Urban Education Live - Sheffield. Collaborations between the University and civic groups. Possibilities and Challenges.*

8:45 Matjaz Ursic*, University of Ljubljana, Faculty of Social Sciences; *Building a socially smart community of users in times of uneven urban development – The post-industrial transformation of old Tobacco factory in Ljubljana*

9:05 Discussant(s): Gruia Badescu, University of Konstanz

Sunday-094-8:00 a.m. Race, Territoriality, and Xenophobia in an Age of Migration ‘Crises’

Room: Regency Ballroom, Omni, West (Panel)

Time: 8:00 a.m. - 9:40 a.m.

ORGANIZER(S): Alison Mountz, Wilfrid Laurier University; Richard Wright, Dartmouth College

CHAIR: Alison Mountz, Wilfrid Laurier University

Discussant(s): Ishan Ashutosh, Indiana University

Panelist(s): Mark Ellis, University of Washington; Richard Wright, Orvil Dryfoos Professor of Public Affairs, Dartmouth College; Lucia Caballero, Dartmouth College; Patricia Ehrkamp, Dr., University of Kentucky; David Hernández, Mount Holyoke College

SUNDAY April 8 • 9:55 AM - 11:35 AM**Sunday-001-9:55 a.m. Agent-Based Modeling of Human-Environment Interactions II (Sponsored by Human Dimensions of Global Change Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Nicholas Magliocca, Department of Geography; Tom Evans, University of Arizona - Geography & Development

CHAIR: Nicholas Magliocca, Department of Geography

9:55 Neil Carter*, Boise State University; Andres Baeza, School of Sustainability, Arizona State University; Nicholas Magliocca, Department of Geography, University of Alabama; *Social contagion of risk perception in human-wildlife interactions*

10:15 Andrew Crooks*, George Mason University; Annetta Burger, George Mason University; Na Jiang, George Mason University; Diana Guillen-Piazza, George Mason University; William G Kennedy, George Mason University; *Decision-making in Times of Crisis: An Agent-Based Model of Disaster*

10:35 Na Jiang*, George Mason University; *Modeling Urban Shrinkage by Simulating Household Mobility in the City of Detroit: An Agent-based Model*

10:55 Stanley Rhodes*, Utah State University; *Local offices and HQs: An Agent-based Model of Organizational Coordination Under Varied Environmental Conditions*

11:15 Ruihong Huang*, Northern Arizona University; *Cross-Regional Comparison of Transit-Based Accessibility Using Simulated Individual Trips*

Sunday-004-9:55 a.m. Community Geography II: Reflections from #commgeog19 (Sponsored by Applied Geography Specialty Group, Digital Geographies Specialty Group)

Room: Maryland A, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jerry Shannon, University of Georgia; Katherine Hankins, Georgia State University

CHAIR: Jerry Shannon, University of Georgia

Discussant(s): Daniel Block, Professor, Chicago State University; Amber Bosse, Ph.D. Candidate, University of Kentucky; Timothy Hawthorne, Assistant Professor of GIS, University of Central Florida; Andy Walter, Associate Professor, University of West Georgia; Alex Orenstein, Action Against Hunger

Panelist(s): Katherine Hankins, Associate Professor, Georgia State University; Jerry Shannon, Asst. Professor, University of Georgia

Sunday-005-9:55 a.m. Contemporary Social Trends, Policy Initiatives and Planning Measures in Large Housing Estates

Room: Maryland B, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kadri Leetmaa, University of Tartu; Matthias Bernt, Institute for Regional development and Structural Planning

CHAIR: Kadri Leetmaa, University of Tartu

9:55 Petros PETSIMERIS*, Université Paris 1 Panthéon Sorbonne, UMR 8504 CNRS Géographie-cités; Jose Ignacio Villa Vazquez, Dr, LabEx Dynamite, UMR 8504 CNRS Géographie-cités; *Large social housing estates in Milan and Barcelona: dealing with decaying modernity*

SUNDAY, April 8 • 9:55 AM - 11:35 AM

10:15 Johanna Holvander*, Kadri Leetmaa, PhD, University of Tartu; *Finding new standpoints for the public sector planning of large housing estates – the case of Annelinn, Estonia*

10:35 Donatas Burneika*, Lithuanian social research centre; Rūta Ubarevičienė, Technical university of delft, Lithuanian Social Research Centre; *Soviet Housing Estates in Vilnius – Socio-Ethnic Structure and Future(-less?) Perspectives*

10:55 Sigrun Kabisch*, Helmholtz Center for Environmental Research-UFZ; *The Revival of Large Housing Estates*

11:15 Kadi Mägi*, *Do housing estates play a different role for ethnic groups? Ethnic differences in life course mobility and its impact on neighbourhood change in large housing estates in Tallinn, Estonia*

Sunday-006-9:55 a.m. Introducing the Radical Housing Journal: Launch of Issue 1 and Scholar-Activist Work From Forthcoming Issues (Part II)

Room: Maryland C, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Erin McElroy, University of California - Santa Cruz; Michele Lancione

CHAIR: Erin McElroy, University of California - Santa Cruz

9:55 Introduction(s): Erin McElroy, University of California - Santa Cruz

9:58 Introduction(s): Michele Lancione

10:01 Rachael Baker*, York University; *Toward a politics of accountability: neighborliness, care and whiteness in Detroit's Foreclosure crisis*

10:19 Kristine Alvarez*, The Bartlett Development Planning Unit, University College London; *Benevolent evictions: Protocols of dispossession, social safeguards, and 'participatory' housing solutions in post-Ondoy Manila*

10:37 Terra Graziani*, University of California Los Angeles; Daniela Aiello*, University of Georgia; *Eviction Lab Misses the Mark*

10:55 Amanda Huron*, University of the District of Columbia; Neil Gray, University of Glasgow; *Struggles Over and Beyond Rent: An Exchange*

11:13 Discussant(s): AbdouMaliq Simone

Sunday-016-9:55 a.m. Mobility of older adults II (Sponsored by Transportation Geography Specialty Group, Urban Geography Specialty Group, Population Specialty Group)

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jessica Villena Sanchez, University of Denver; Eric Boschmann, University of Denver

CHAIR: Jessica Villena Sanchez, University of Denver

9:55 Eric Boschmann*, University of Denver; *Comparing mobility of older adults between US Cities: A research agenda*

10:15 Naomi Schwartz*, Ms.; Ron Buliung, Dr., University of Toronto Mississauga; Kathi Wilson, Dr., University of Toronto Mississauga; *Disability and food access and insecurity: A scoping review of the literature*

10:35 Aliza Tuttle*, *Understanding Mobilities Through Experience: Going Along to get Food with Low-Income Older Adults in Portland, Oregon*

10:55 Discussant(s): DRISTI NEOG, Westfield State University - Westfield, MA

Sunday-019-9:55 a.m. Just and Unjust Geographies, Part II (Sponsored by Black Geographies Specialty Group)

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Rashad Shabazz, Arizona State University

CHAIR: Rashad Shabazz, Arizona State University

Panelist(s): Nicole Mayberry; Matthew Conway, PhD Student, Conveyal

Introduction(s): Rashad Shabazz, Associate Professor, Arizona State University

Sunday-023-9:55 a.m. Enacting Anti-Colonialism and Antiracism through a Caring Praxis (Sponsored by Geographic Perspectives on Women Specialty Group, Black Geographies Specialty Group, Latinx Geographies Specialty Group, Harassment-Free AAG Initiative, Harassment-Free AAG Initiative)

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Kelsey Brain, Pennsylvania State University; Minelle Mahtani, University of British Columbia

CHAIR: Minelle Mahtani, University of British Columbia

Introduction(s): Kelsey Brain, Pennsylvania State University

Discussant(s): A. Marie Ranjbar, Ohio State University; Madelaine Cahuas, University of Toronto; Minelle Mahtani, University of British Columbia

Panelist(s): Nehal El-Hadi, University of Toronto; Mia White, The New School for Social Research; Hanieh Haji Molana, Kent State University

Sunday-024-9:55 a.m. Spatialising the Land Bureaucracy (in the Postcolonial World) (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Urban Geography Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sangeeta Banerji, Rutgers University; Tom Cowan, University of Bergen

CHAIR: Tom Cowan, University of Bergen

9:55 Introduction(s): Tom Cowan, University of Bergen

10:00 Indivar Jonnalagadda*, University of Pennsylvania; Karan Misquitta*, *Distribution, not Redistribution: Populism and the Trajectories of Land Titling in South India*

10:15 Sangeeta Banerji*, Rutgers University; *Ease of Doing Business: Centralizing Technologies of the Land Bureaucracy in Mumbai*

10:30 Sian Butcher*, University of the Witwatersrand; *Beyond privatised urbanism: negotiating land transformations in developer-driven 'affordable' suburbanisation, Gauteng, South Africa*

10:45 Zhe Yu Lee*, University of Wisconsin; *Politics of implementing agrarian reform in North Sumatra, Indonesia: The productiveness of institutional fragmentation*

11:00 Sophia Abbas*, Yale University; *Shifting Landscapes, Changing Aspirations: Re-Imagining Land and Urban Change on the Edges of Metropolitan India*

11:15 Discussant(s): Kalyanakrishnan Sivaramakrishnan

SUNDAY April 8 • 9:55 AM - 11:35 AM**Sunday-025-9:55 a.m. Promoting Urban Livability
(Sponsored by Urban Geography Specialty Group,
Transportation Geography Specialty Group,
Landscape Specialty Group)**

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Bradley Bereitschaft, University of Nebraska - Omaha
 CHAIR: Bradley Bereitschaft, University of Nebraska - Omaha

9:55 Devon McAslan*, Arizona State University; *Walkability, Public Transit and Self-Driving Cars: Using AVs to Promote Sustainable Transport*

10:15 Robert Amundsen*, NYIT; *Mobility Options for Transit-Oriented Development*

10:35 Steven Pham*, University of Toronto - Mississauga; *A Community-Driven Approach to Suburban Retrofitting - Visions, Desires, and Changes for Mississauga Neighbourhoods*

10:55 Annika Hjelmkog*, University of Manchester; *Social housing and health inequalities in Greater Manchester: universal access to decent homes as a public health strategy*

11:15 Bradley Bereitschaft*, University of Nebraska - Omaha; *Exploring perceptions of creativity and walkability in Omaha, NE*

**Sunday-026-9:55 a.m. Geographies of Presence and Absence II
(Sponsored by Cultural Geography Specialty Group)**

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Joern Langhorst, University of Colorado Denver, College of Architecture and Planning; Nick Patin, University of Colorado - Denver

CHAIR: Joern Langhorst, University of Colorado Denver, College of Architecture and Planning

9:55 Josepha Milazzo*, Ms, Aix-Marseille Université / Universitat Autònoma de Barcelona; *Living in a global village. Migrations and experiences in Cadaqués (Catalonia, Spain)*

10:15 Angela Sakrison*, Arizona State University; *A Schizophrenic Clattering of the Jaws: Encountering the Face of Climate Change*

10:35 Discussant(s): Julia Smachylo, Harvard University

10:55 Aidan Hysjulien*, University of Georgia; *The Presence of the Possible in Everyday Practice: Supermarket Shopping as a Materially and Temporally Dislocated Practice*

11:15 Discussant(s): Tim Waterman, University of Greenwich

**Sunday-027-9:55 a.m. Critical Animal Studies/ Animals
in Tourism (Sponsored by Recreation, Tourism,
and Sport Specialty Group, Animal Geography
Specialty Group)**

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Carol Kline, Appalachian State University
 CHAIR: Carol Kline, Appalachian State University

9:55 Qingming Cui*, School of Tourism Management, Sun Yat-sen University; Honggang Xu, School of Tourism Management, Sun Yat-sen University; *Animal ethics and sustainability in Thai elephant tourism*

10:15 Sayaka Sakuma*, *Rewilding the Forest of Miracle: how different animals navigate the forest ecology of Yambaru, Okinawa*

10:35 Dave Knieter*, West Virginia University; *Bullets, Breeding, and Biodiversity: An Analysis of Trophy Hunting within South Africa's Green Wildlife Economy*

10:55 Siobhan Speiran*, *The lives of animals in Costa Rican wildlife rescue centres and barriers to research*

11:15 Jillian Rickly*, University of Nottingham; Nigel Halpern, Kristiania University College, Norway; Scott McCabe, University of Nottingham; *Guide Dogs on Holiday*

Sunday-028-9:55 a.m. Carceral Crisis

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Lydia Pelot-Hobbs, CUNY Graduate Center
 CHAIR: Anne Bonds, University of Wisconsin, Milwaukee

9:55 Lydia Pelot-Hobbs*, CUNY Graduate Center; *Jailing Louisiana: A Spatial Fix to Penal Overcrowding*

10:15 Jack Norton*, *Immigrant Detention and Local Jails*

10:35 Stephen Cassidy Jones*, The Graduate Center, City University of New York; *Rehabilitation and Repression: California's Prisoner Classification System, 1945-1980*

**Sunday-036-9:55 a.m. Debtor Urbanization: Fringes and
FIRES in Contemporary City-Building**

Room: Washington 1, Marriott, Exhibition Level (Paper)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Michael Koscielniak, University of Michigan
 CHAIR: Michael Koscielniak, University of Michigan

9:55 Introduction(s): Michael Koscielniak, PhD Candidate, University of Michigan

10:00 Andy Pike*, Newcastle University; John Tomaney*, University College London; *Financialising city statecraft*

10:19 Mark Davidson*, Clark University; *Kaleidoscopic Indebtedness: Examining the Geographies of American Municipal Borrowing*

10:38 Kathe Newman*, Rutgers University; *Assembling Community: Nuanced Stories of Community, Credit, and Debt*

10:57 Mark Kear*, University of Arizona - Geography & Development; *"Duty to Serve" and the Redemption of Chattel: GSEs, Manufactured housing and the lessons of the little subprime crisis*

11:16 Discussant(s): Sarah Knuth, Department of Geography, Durham University

Sunday-037-9:55 a.m. Honeybee Geographies

Room: Washington 2, Marriott, Exhibition Level (Panel)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Jennie Durant, University of California, Berkeley
 CHAIR: Jennie Durant, University of California, Berkeley
Panelist(s): Christy Briles, University of Colorado - Denver; Jennie Durant, University of California, Berkeley; Rebecca Ellis, University of Western Ontario; Eleanor Andrews, Student, Cornell Development Sociology

**Sunday-038-9:55 a.m. Life's Care: Reworking the Conditions
of Social (Re)Production (Sponsored by Geographic
Perspectives on Women Specialty Group)**

Room: Washington 3, Marriott, Exhibition Level (Paper)
 Time: 9:55 a.m. - 11:35 a.m.
 ORGANIZER(S): Gregory Donovan, Fordham University; Amanda Matles, CUNY Graduate Center; Hillary Caldwell, CUNY - Graduate Center

SUNDAY, April 8 • 9:55 AM - 11:35 AM

CHAIR: Cindi Katz, CUNY Graduate Center

9:55 Caitlin Cahill*, Pratt Institute; *Our city! Reimagining liberatory urban futures through participatory cultural praxis*

10:11 Hillary Caldwell*, CUNY - Graduate Center; *"It's about establishing a beachhead": Community land trusts and the fight for control over social reproduction in New York City*

10:27 Gregory T Donovan*, Assistant Professor, Fordham University; *The smart home does not care: Social reproduction and the design (an)aesthetics of domestic technologies*

10:43 Amanda Matles*, CUNY Graduate Center; *Expanding sanctuary: (re)producing relationships of freedom and liberation*

10:59 Rachel Pain*, Newcastle University; Paper Dolls Research Group, Independent Organisation; *Creating community from collective trauma*

11:15 Discussant(s): Cindi Katz, Professor, CUNY Graduate Center

Sunday-040-9:55 a.m. Ethics in Multispecies Research (Sponsored by Animal Geography Specialty Group, Qualitative Research Specialty Group)

Room: Washington 5, Marriott, Exhibition Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Heather Rosenfeld, University of Wisconsin - Madison

CHAIR: Heather Rosenfeld, University of Wisconsin - Madison

Introduction(s): Heather Rosenfeld, University of Wisconsin - Madison

Panelist(s): Lauren Van Patter, Queen's University; Jacquelyn Johnston, Florida International University; Carley MacKay, York University; Alice Hovorka, Professor, York University; Mollie Holmberg, MA Student, University of British Columbia

Sunday-041-9:55 a.m. Transformation of What, for Whom, by Whom? (II): Agency and Pathways of Change (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Karina Benessaiah, McGill University; Benjamin Warner, University of New Mexico

CHAIR: Benjamin Warner, University of New Mexico

9:55 Karina Benessaiah*, McGill University; Hallie Eakin, Arizona State University; *Crisis, Transformation, and Agency: Why are People Going Back to the Land in Greece?*

10:15 Jessica Blythe*, Environmental Sustainability Research Centre, Brock University; Steve Alexander, Department of Fisheries and Oceans; Derek Armitage, School of Environment, Resources, and Sustainability, University of Waterloo; Julia Baird, Environmental Sustainability Research Centre, Brock University; Cheryl Chan, International Development Research Centre; Gillian Dale, Environmental Sustainability Research Centre, Brock University; Emily Darling, Wildlife Conservation Society; Noella Gray, Department of Geography, University of Guelph; Georgina Gurney, ARC Centre of Excellence for Coral

Reef Studies; Marilyne Jollineau, Geography and Tourism Studies, Brock University; Gary Pickering, Environmental Sustainability Research Centre, Brock University; Jeremy Pittman, School of Environment, Enterprise and Development, University of Waterloo; Ryan Plummer, Environmental Sustainability Research Centre, Brock University; *A collective action framework for transformations to sustainability*

10:35 Jeanne Firth*, London School of Economics; *Foodscape Lagnippe: Philanthropy in the 'new' New Orleans*

10:55 Stephen Axon*, *Othring, public engagement, and community-based sustainability: The cultural geographies of addressing climate change*

11:15 Discussant(s): Karen O'Brien, Professor, University of Oslo

Sunday-047-9:55 a.m. Spatial Case Study Analyses

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: James Pick, University of Redlands

9:55 Min Song*, Zhongnan University of Economics and Law; *Evaluation on interactive coupling effects between eco-environment carrying capacity and urbanization: Case study of Wuhan Metropolitan Area in China*

10:15 KEWEN LV*, *The Innovation of Culture and Creative Industrial Cluster in Less Developed Region of China*

10:35 Huangsheng Zhu, Faculty of Geographical Science, Beijing Normal University; Shiyang Li*, Faculty of Geographical Science, Beijing Normal University; *The effect of local agglomeration on skill upgrading: an empirical study on prefecture-level cities in mainland China*

10:55 SEONGHUN KIM*, Seoul National University; Yangmi KOO, Seoul National University; *Transnationalization and Localization Processes of Korean Small and Medium-sized Enterprises in Northern Vietnam*

11:15 James Pick*, University of Redlands; *Spatial Strategies and Competitiveness in Business: A Case Study Analysis*

Sunday-048-9:55 a.m. Robotocene: the Political Ecology of Automation II; Conservation and Species (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Paul Robbins, Nelson Institute for Environmental Studies, University of Wisconsin

CHAIR: Paul Robbins, Nelson Institute for Environmental Studies, University of Wisconsin

9:55 Karen Bakker*, University of British Columbia; *Empathy machines? Political ecologies of the interspecies internet*

10:10 Erle Ellis*, University of Maryland - Baltimore County; *Deconstructing the Social Construction of Nature: Empowering Nonhuman Agency in Autonomous Conservation Systems*

10:25 Mary Lawhon*, University of Oklahoma; Tyler McCreary, Florida State University; *UBI: It Changes Everything*

10:40 Lauren Gifford*, University of Colorado, Boulder; Alyssa Whitcraft, PhD, University of Maryland; *Show me the money: When conservation finance is held hostage by GIS data*

SUNDAY April 8 • 9:55 AM - 11:35 AM

10:55 Laura Martin*, Williams College; *Instrumentalizing Care: The Automation of Ecological Restoration*

11:10 Discussant(s): Paul Robbins, Professor and Director, Nelson Institute for Environmental Studies University of Wisconsin

Sunday-050-9:55 a.m. Future of Dams 2

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Catherine Ashcraft, University of New Hampshire; Kelly Addy, University of Rhode Island; Bridie McGreavy, University of Maine

CHAIR: Bridie McGreavy, University of Maine

9:55 Ben Blachly*, University of Rhode Island; Samuel G. Roy, University of Maine; Emi Uchida, University of Rhode Island; *How does scale matter? Incorporating production efficiency and public preferences to understand socially-preferred dam removal strategies*

10:11 Corrine Armistead*, Earth Economics; *Relationships of Rivers: An Analysis of Hydropower Potential Data and Data Structure*

10:27 Emma L Fox*, M.S., University of Maine; Sharon J.W. Klein, Ph.D., University of Maine; *A Multi-Criteria Decision Analysis (MCDA) Tool for Dam Decisions Involving Hydropower*

10:43 Emily Vogler*, Rhode Island School of Design; *The Future of Dams: The role of design in supporting complex environmental decisions*

10:59 Megan English*, University of New Hampshire; Alexis Sims*, University of New Hampshire; Samuel Tardiff*, University of New Hampshire; Natallia Leuchanka, University of New Hampshire; Michal Zahorik, University of New Hampshire; Catherine M. Ashcraft, University of New Hampshire; *New Hampshire town voices on dam and flood management*

11:15 Discussant(s): Bridie McGreavy, University of Maine

Sunday-051-9:55 a.m. Political Ecology in Ruinous Times

Room: Johnson, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Colin Sutherland, York University; Devin Holterman, York University

CHAIR: Colin Sutherland, York University

9:55 Devin Holterman*, York University; *Elephants, Extraction, and the Changing Natures of Protected Areas in Tanzania*

10:15 Gabriella Velasco*, *Across the Street: An Institutional Analysis of Environmental Racism*

10:35 Billy Hall*, National Socio-Environmental Synthesis Center (SESYNC); *Racialized Natures of Trees and Heat in Baltimore: A Political Ecology of Segregation*

10:55 Timothy Neale*, Deakin University; *Remaking the 'upside-down': working with fire on Dja Dja Wurrung country in southeast Australia*

11:15 Chryl Corbin*, University of California - Berkeley; Jesse Williamson, UC Berkeley; *Unthinking Dystopian Futures: Why the World Needs EJ Futurism*

Sunday-053-9:55 a.m. Urban Transportation and Mobility

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Tobias Kuttler, Technical University of Munich

9:55 Li (Kerry) Fang, College of Social Science & Public Policy, Florida State University; Fujie Rao*, Melbourne School of Design, University of Melbourne; *What Makes Transit-Oriented Development Successful? A Comparative Study of Baltimore and Melbourne*

10:15 YI GUO*, Hong Kong Baptist University; DONGGEN WANG, Head of Department and Professor, Department of Geography, Hong Kong Baptist University; *The Evolution of the TOD Built Environment: A case study of Addis Ababa*

10:35 Yanbing Zhu*, East China Normal University; Xiang Li, East China Normal University; *Mass Taxi Trajectory Data Retrieval Method and Case Study*

10:55 Daniel Seidenglanz*, Masarykova univerzita; Jirí Malý*, Masaryk University; *What does it mean to change mobility mode? Consequences and impacts of the shift in car/public transport use on daily life in Brno (the Czech Republic)*

11:15 Tobias Kuttler*, Technical University of Munich; *Rise and contestation of the Uber model in cities of the Global South – the case of Mumbai*

Sunday-054-9:55 a.m. Technologies and Applications of Web-based GIS

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jizhe Xia; Wei Tu, Shenzhen University; Qunying Huang, University of Wisconsin - Madison

CHAIR: Jizhe Xia

9:55 Zachery Slocum*, University of North Carolina - Charlotte; Wenwu Tang, University of North Carolina - Charlotte; Don Chen, University of North Carolina - Charlotte; Minrui Zheng, University of North Carolina - Charlotte; Jianxin Yang, University of North Carolina - Charlotte; *A Web GIS-Based Approach for Pavement Distress Management*

10:15 Jizhe Xia*, *Optimization for Earth Observation Big Data Access with Spatiotemporal Patterns*

10:35 Dylan Keon*, Oregon State University; Chris Daly, Oregon State University; *Automated processing, visualization, and distribution of weather and climate data*

10:55 Shirley Li*, Purdue University; Nicole Kong, Purdue University; *Evaluating Geoportal Performance using Web Analytics*

11:15 Yu Lan*, University of North Carolina - Charlotte; Wenwu Tang, University of North Carolina - Charlotte; Eric Delmelle, University of North Carolina - Charlotte; Samantha Dye, Gaston County Department of Health & Human Services; *An Online GIS-based Data Collection, Management and Analysis System for Private Wells*

Sunday-055-9:55 a.m. Rethinking Mobile Geographies: Cross-regional Networks of Knowledge and Governance

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sujin Eom

CHAIR: Sujin Eom

9:55 Ipek Tureli*, Dr., McGill University; *American Schools and the 'Spatial Imagination' of the Missionary Encounter*

10:12 Cecilia Chu*, The University of Hong Kong; *The Emergence of Modern Parks and Recreational Landscapes in Guangzhou and Hong Kong*

SUNDAY, April 8 • 9:55 AM - 11:35 AM

- 10:29** Jinwon Kim*, Hamilton College; *Transclave: authenticity and ethnicity in the marketplace*
- 10:46** Venetsiya Dimitrova*, *Midlevel professionals as "knowledge actors": impacts on knowledge mobility and the transnational urban development*
- 11:03** Joanna Ondrusek-Roy*, McGill University; *Borrowed Skylines: Tracing the origins of Tanzania's new master-planned cities through urban policy mobilities*
- 11:20** Sujin Eom*, *Infrastructures of Displacement: The Transpacific Travel of Urban Renewal during the Cold War*

**Sunday-056-9:55 a.m. Geography of Health and Disease II:
Mapping Diffusion and Drug Resistance**

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Mark Janko

- 9:55** Seungwon Kim*, University of Iowa; *Combining phylogeography and network analysis to evaluate the effects of landscape variables on the spread of influenza A viruses in the US*
- 10:15** Mark Janko*, *Defining the spatial extent and population structure of drug resistant Plasmodium falciparum across the Democratic Republic of Congo.*

Sunday-057-9:55 a.m. Health, Heat, and Climate

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Susan Elliott, University of Waterloo

- 9:55** Ashley Ward*, PhD, (CISA) Carolinas Integrated Sciences and Assessments; Jordan Clark, PhD Candidate, University of North Carolina at Chapel Hill; Jordan McLeod, Southeastern Regional Climate Center; Rachel Woodul, PhD Candidate, University of North Carolina at Chapel Hill; Charles Konrad, PhD, University of North Carolina at Chapel Hill; *The impact of chronic high-heat on reduced gestational age in pregnant women in North Carolina, 2011-2015*
- 10:15** Junya Wu*, *Comparison of predictive power on heated-related deaths among three heat wave formulas for the Northeast U.S.*
- 10:35** Elaina Gonsoroski*, Florida State University; Christopher Uejio, PhD, Florida State University; *Assessing Indoor Heat Conditions and Emergency Calls through a Case-Control Study in New York City, New York*
- 10:55** Tomasz Opach*, Norwegian University of Science and Technology, Linköping University; Mattias Hjerpe, Linköping University; Erik Glaas, Linköping University; Carlo Navarra, Linköping University; *ExTra: A visualization tool supporting the prioritization of climate adaptation to heatwaves and flooding*
- 11:15** Susan Elliott*, University of Waterloo; *Developing a Research Agenda for Assessing the Resilience of a national Health Care System to the Impacts of Climate Change*

**Sunday-058-9:55 a.m. Critical Aquaculture Studies I:
Social Construction and Contestation in the
Global North (Sponsored by Cultural and Political
Ecology Specialty Group, Geographies of Food and
Agriculture Specialty Group, Human Dimensions of
Global Change Specialty Group)**

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Young Rae Choi, Florida International University; Timothy Gorman, Cornell University; Melva Treviño-Peña, University of Rhode Island

CHAIR: Melva Treviño-Peña, University of Rhode Island

- 9:55** Young Rae Choi*, Florida International University; *Assembling sea cucumber aquaculture in South Korea*
- 10:15** Maggie Siebert*, University of New Mexico; *Transgenic Salmon and the Future of Food: A critical investigation into the discursive construction of the AquAdvantage Salmon™*
- 10:35** Teresa Johnson*, University of Maine; Samuel Hanes, University of Maine; *Conflicts, Communities, and Carrying Capacity: A Critical Look at Marine Aquaculture in Maine*
- 10:55** Julie Minde*, GMU; *Lynnhaven Oysters: Insights for Geography, Cartography, and Conflict Resolution*
- 11:15** Julia Bingham*, Duke University Marine Lab; Grant Murray, Duke University; Luke Fairbanks, Duke University; Haven Parker, Duke University; *Opportunity Narratives in Down East Aquaculture*

**Sunday-061-9:55 a.m. Rethinking the Fix: Development,
Planning, and the Normalization of Poverty II**

Room: Madison B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Caroline Keegan, University of Georgia; Eric Goldfischer, University of Minnesota - Minneapolis

CHAIR: Christine Jocoy, California State University - Long Beach

- 9:55** Kenton Card*, University of California - Los Angeles; *Toward a political economy of racial capitalism*
- 10:15** Yui Hashimoto*, Dartmouth College; *"Not stadiums but real investment where people live": Theorizing mobilities as organized abandonment in Milwaukee*
- 10:35** Katie Mazer*, University of Toronto; *Dump truck destiny: Work, stories, and attachment to extraction*
- 10:55** Caroline Keegan*, University of Georgia; *Living Labor in the Fields: Rethinking Farmworker Labor and Living Conditions*
- 11:15** Hilary Wilson*, CUNY - Graduate Center; *A Way out of No Way: Struggles for Economic Survival in Black Milwaukee*

**Sunday-062-9:55 a.m. Automating Land Cover Change
Analyses of Multi-temporal Satellite Imagery II
(Sponsored by Remote Sensing Specialty Group)**

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Christopher Hakkenberg, Rice University; Matthew Dannenberg, University of Iowa

CHAIR: Matthew Dannenberg, University of Iowa

- 9:55** Jeffrey Cardille*, McGill University; Morgan A Crowley, McGill University; Xavier Giroux-Bougard, McGill University; Jacky Lee, McGill University; *Multi-sensor data synthesis for land-use/land-cover time series with the Bayesian Updating of Land Cover (BULC) algorithm*

SUNDAY April 8 • 9:55 AM - 11:35 AM

10:15 Christopher Hakkenberg*, Rice University; Matthew Dannenberg, University of Iowa; Conghe Song, UNC-Chapel Hill; *Automated prediction of subannual continuous fields impervious fractional cover dynamics*

10:35 Xiaoyu Liang*, The Ohio State University; Desheng Liu, The Ohio State University; *Detecting abrupt and long-term changes with Landsat Time Series*

10:55 Mitchell T. Bonney*, University of Toronto - Mississauga; Yuhong He, University of Toronto - Mississauga; *Understanding long-term changes in urban-rural forest communities using Landsat trajectories and hemispherical photography*

11:15 Xiaopeng Song*, University of Maryland College Park; Matthew Hansen, University of Maryland; Stephen Stehman, SUNY College of Environmental Science and Forestry; Peter Potapov, University of Maryland; Alexandra Tyukavina, University of Maryland; Eric Vermote, NASA Goddard Space Flight Center; John Townshend, University of Maryland; *Mapping global land cover change from 1982 to 2016*

10:35 Ho Lam Cheng*, The Chinese University of Hong Kong; *Manoeuvring in the City: Spatial and Temporal Tactics of Sex-working Mothers in Hong Kong*

10:55 Christopher Neubert*, University of North Carolina - Chapel Hill; *Farming, Sexuality, and the Production of the State in the Corn Belt: Rural Means (Not) Queer*

11:15 Discussant(s): Emma Mawdsley, University of Cambridge

Sunday-066-9:55 a.m. Buffer Zones: Border Space in Liminality

Room: Coolidge, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Hyun-Gwi Park; Franck Bille, University of California - Berkeley

CHAIR: Franck Bille, University of California - Berkeley

9:55 Franck Bille*, University of California - Berkeley; *Auratic Geopolitics: On Backyards and Concorporeality*

10:10 Nianshen Song*, University of Maryland, Baltimore County; *Whose Buffer, Against Whom: Rethinking the Qing-Korean Border River Region*

10:25 Hyun-Gwi Park*, Chung-Ang University; *Riparian Buffer Zones in Post-Cold War Geopolitics*

10:40 Lisa Sang Mi Min*, UC Berkeley, Department of anthropology; *Buffer Zones and the Disappearing DMZ*

10:55 Natalia Ryzhova*, Palacky University in Olomouc; *Playing with barriers: way of life in restricted access border zones in post-Soviet Russia*

11:10 Discussant(s): Gerard Toal, Virginia Tech

Sunday-067-9:55 a.m. Author meets critics: 'Citizens in motion: emigration, immigration and re-migration across China's borders' by Elaine Lynn-Ee Ho

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Mary Gilmartin, Maynooth University

CHAIR: Mary Gilmartin, Maynooth University

Introduction(s): Mary Gilmartin, Dr, Maynooth University

Discussant(s): Caroline Faria, Dr, University of Texas - Austin; Ishan Ashutosh, Indiana University; Jamie Winders, Professor, Syracuse University; Elaine Ho, Dr, National University of Singapore

Panelist(s): Xiaobo Su, Associate Professor, University of Oregon; Lynn Staeheli, University of Arizona

Sunday-068-9:55 a.m. Historical Risk: The Role of Memory in Risk Reduction (Sponsored by Historical Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Craig Colten, Louisiana State University

CHAIR: Geoffrey Buckley, Ohio University

9:55 Ashley Allen*, Ohio Wesleyan University; *Memory, Risk, and Regional Identity in Oklahoma*

10:15 Craig Colten*, Carl O. Sauer Professor, Louisiana State University; *The Eclipse of Risk Memory in the Amite River Basin, (USA)*

10:35 Yolonda Youngs*, Idaho State University - Pocatello, ID; *Dangerous Ground: A Historical Geography of Hazards and Risks in U.S. National Parks*

10:55 Geoffrey Buckley*, Ohio University; *Riders and Risk: 150 years of Bicycling in Baltimore, Maryland*

Sunday-063-9:55 a.m. Geospatial Methods and Tools for Disaster Risk Management and Hazards Mapping

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Erica Goto, UCSB

CHAIR: Angela Marcela Suarez, University of California - Santa Barbara

9:55 Erica Goto*, UCSB; *Using GIS to assess landslide risk areas: comparing results of AHP-based methodology and Logistic Regression*

10:15 Sophia B Liu*, Ph.D., U.S. Geological Survey (USGS); Emily Martuscello, Federal Emergency Management Agency (FEMA); *Crowdsourcing Playbook and Activations for Emergency Management in Response to Hurricanes Maria, Florence, and Michael*

10:35 A. Marcela Suarez*, University of California - Santa Barbara; *Using Citizen Reports and Authoritative Geographic Information to Assess Tweets Reliability: The Case of Weather-Related Disaster Events*

10:55 Carolynne Hultquist*, Pennsylvania State University; *Validation of Citizen Science Data during Hurricane Florence*

11:15 JULIANO DE LIMA*, Dr, GEORIO; MARCUS PEIGAS PACHECO, PhD, UERJ; DENISE M S GERSCOVICH, Dr, UERJ; *Elaboration of Geotechnical Risk Susceptibility Maps in the Community of Rocinha using the Probabilistic Model and Geostatistics Tool*

Sunday-064-9:55 a.m. Queering Geopolitics (Sponsored by Political Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Sneha Krishnan, University of Oxford; Debanuj DasGupta, University of Connecticut

CHAIR: Sneha Krishnan, University of Oxford

9:55 Debanuj DasGupta*, University of Connecticut; *Queering Inter-Asian Linkages*

10:15 Tai Jacob*, McGill University; *Borders drawn on bodies, borders drawn through time: The chronobiopolitics of Canada's LGBT refugee regime*

SUNDAY, April 8 • 9:55 AM - 11:35 AM**Sunday-069-9:55 a.m. Urban Crime Mapping and Analysis Using GIS II (Sponsored by Cartography Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Wilson B, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Michael Leitner, Louisiana State University; Alina Ristea, University of Salzburg

CHAIR: Gerhart Graupner

9:55 Su-Yin Tan*, University of Waterloo; *Temporal and spatial variations of acquisitive and expressive crime occurrences: A case study of Kitchener-Waterloo, Canada***10:15** Tyler Devine*, Southern Illinois University Edwardsville; *Rural and Urban Crime Within Illinois Counties***10:35** Yunwoo Nam*, University Of Nebraska - Lincoln; *Spatial Analysis of Urban Fabric: Social Climate and Crime in Place-Based Context***10:55** Rafael Ramos*, University of California - Santa Barbara; *Social & Environmental Determinants of Urban Crime: residential burglaries in Belo Horizonte, Brazil***11:15** Gerhart Graupner*; Kathy Kolnick, University of Southern California; *Spatiotemporal Crime Dynamics in Los Angeles Neighborhoods***Sunday-070-9:55 a.m. Geographies of Work Beyond the 'Proper Job' (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Cultural Geography Specialty Group, Careers and Professional Development)**

Room: Wilson C, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jacob Henry, University of Hawaii

CHAIR: Jacob Henry, University of Hawaii

9:55 Pavel Andrade*; *In search of a living wage: reading the working class in Diamela Eltit's Mano de obra***10:15** Aman Luthra*, Assistant Professor, Kalamazoo College; *Between strategy and necessity: formalized informality in urban India***10:35** Jacob Henry*, University of Hawaii; *Lessons in Development: Official Schooling Narratives in Spaces of De-Proletarianization***10:55** Andrew Deuchar*, University of Melbourne; *Making it work in the informal economy: educated migrants navigating unemployment in Dehradun, north India***11:15 Discussant(s):** William Monteith, Dr. Queen Mary University of London**Sunday-072-9:55 a.m. Author Meets Critics: Arun Saldanha's "Space After Deleuze"**

Room: Stones Throw 1, Marriott, Mezzanine Level (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Keith Woodward, University of Wisconsin

CHAIR: Keith Woodward, University of Wisconsin

Introduction(s): Keith Woodward, University of Wisconsin**Panelist(s):** Elizabeth Johnson, University of Durham; Jess Linz, University of Kentucky; Stephanie Wakefield, Eugene Lang College; Anna Secor, University of Kentucky**Discussant(s):** Arun Saldanha, University of Minnesota - Minneapolis**Sunday-074-9:55 a.m. Time, Affect, and the Political Economy of Space Production (1)**

Room: Stones Throw 3 - Mica, Marriott, Mezzanine Level (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Harry Pettit, London School of Economics; Mara Nogueira, London School of Economics

CHAIR: Mara Nogueira, London School of Economics

9:55 Ana Ivasiuc*, University of Giessen; *Fear and Insecurity in the City***10:10** Ryan Devlin*, John Jay College; *Managing Street Vending through Uncertainty***10:25** Frank Mueller*, Universidade Federal do Rio de Janeiro; *When life is in limbo: Social housing in Urban Latin America***10:40** Samuel Berlin*; *'Going out and seeing the world' - aspirational temporalities in peri-urban China***10:55** Georgina Ramsay*; *Time and the Displaced Other***11:10 Discussant(s):** D. Asher Ghertner, Dr., Rutgers University**Sunday-080-9:55 a.m. Place-Making and Neighborhood Dynamics**

Room: Palladian, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Yue Zhang, Arizona State University

9:55 Sarah Hosman*, Emerson College; *Allston-Brighton, Brighton-Allston, or Allston and Brighton: How Neighborhoods Simultaneously Utilize Boundary Fluidity and Identity Distinction***10:15** Jongho Won*; *Access to neighborhoods resources: what matters?***10:35** Yue Zhang*, Arizona State University; *Emerging Ethnoburbs in the World Technology Center? Evidence from the Thirty-years of Neighborhood Change in the San Francisco Bay Area***10:55** Jessica Martinez*; *Making space for multiple meanings of place: Place-making and identity formation within the Atlanta BeltLine's subarea neighborhoods***Sunday-081-9:55 a.m. EPA: Economy and Space forum: A Conversation with Fred Block on the "Illusion of Capitalism"**

Room: Diplomat Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Jamie Peck, University of British Columbia

CHAIR: Jamie Peck, University of British Columbia

Introduction(s): Jamie Peck, Professor, University of British Columbia**Panelist(s):** Fred Block, Department Of Sociology; Jennifer Clark, Associate Professor, Georgia Institute of Technology; Stephen Healy, Senior Research Fellow, Western Sydney University, Institute for Culture and Society; Wendy Larnar, Professor, Victoria University; Shaina Potts, Assistant Professor, University of California-Los Angeles; Erica Schoenberger, Johns Hopkins University**Sunday-086-9:55 a.m. Health Organizations and Right to Health**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Senate Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

SUNDAY April 8 • 9:55 AM - 11:35 AM

ORGANIZER(S): Theme Committee

CHAIR: Sarah Nelson, University of Toronto

9:55 Ilil Benjamin*, Johns Hopkins University; *The Polarizing Effects of Asylum Advocacy: The Case of Physicians for Human Rights in Israel***10:15** Julie Clark*, University of the West of Scotland; Nick Jenkins, University of the West of Scotland; Sarah Noone, University of the West of Scotland; *As Easy as ABCD? Governance for health and social care in vulnerable communities.***10:35** Zaina Gadema-Cooke*, Northumbria University; *Nudging Sustainable Food Chain Production in times of Climate Change: Food Policy Paradoxes and Parallel Contexts***10:55** Robert Voeks*, California State University Fullerton; *The Colonial Quest for God's Healing Leaves***11:15** Sarah Nelson*, University of Toronto; Kathi Wilson, PhD, University of Toronto Mississauga; *"They Seem to Want to Help Me": Health, Rights, and Indigenous Community Resurgence in Urban Indigenous Health Organizations***Sunday-088-9:55 a.m. Rethinking the Productivity Puzzle 1**

Room: Cabinet Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Tim Vorley

CHAIR: Gary Dymski, University of Leeds

9:55 Raquel ARGILES*, The University of Birmingham; *Placeholder***10:15** Philip McCann*, University of Sheffield; *Placeholder***10:35** **Discussant(s):** Gary Dymski, Professor, University of Leeds**10:55** Beldina Owalla, University of Sheffield; Tim Vorley*, Cristian Gherhes, University of Sheffield; *Factors Affecting SME Productivity: A Systematic Review and Research Agenda***Sunday-089-9:55 a.m. Medical Geography and Mapping**

Theme: Geographies of Human Rights: The Right to Benefit from Scientific Progress

Room: Council Room, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Theme Committee

CHAIR: Heewon Chea, University of Tennessee

9:55 Liora Sahar, PhD, GISP, American Cancer Society; Vanhvilai Lisa Douangchai*, American Cancer Society; Robert Smith, PhD, American Cancer Society; *Access to high-quality lung cancer screening in the US – Spatial analysis across geographies and in rural-urban settings***10:15** Kate Lester*, University of North Texas; *Race/Ethnicity Adjusted Rates in Disease Mapping: A study of suicide in the United States***10:35** Nabeela Farah*, *The impact of biomass fuel emissions on women's health in rural Punjab (Pakistan)***10:55** Heewon Chea*, University of Tennessee; *The Relation Between Obesity and Residential Segregation in the Urban and Rural Regions of U.S.***Sunday-090-9:55 a.m. Decolonial Learning and Teaching: Policy and Praxis**

Room: Congressional A, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Marcin Stanek, Durham University; Grace Garside

CHAIR: Grace Garside

9:55 Grace Garside*, *Creating Educational Utopias: Interculturality, 'Re-indigenization' and the Pluriverse***10:15** A.C Quinn*, *Pedagogies of Solidarity: learning and teaching otherwise***10:35** Marcin Stanek*, Durham University; *Coloniality and decoloniality in Bolivia's Decolonizing Education***10:55** **Discussant(s):** Julie Cupples, Dr, University of Edinburgh**Sunday-091-9:55 a.m. Urban-rural Linkages: Theory, Case Studies and Future II (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Rural Geography Specialty Group)**

Room: Congressional B, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Benjamin Goldstein, University of Michigan; Sanaz Chamanara, University of Michigan

CHAIR: Benjamin Goldstein, University of Michigan

9:55 Ryan Thomas*, Cornell University; Giuseppe Amatulli, PhD, Yale University School of Forestry & Environmental Studies; Center for Research Computing; Center for Science and Social Science Information; Ryan Powers, Yale University Department of Ecology and Evolutionary Biology; *Segmentation algorithm to delineate continuous human settlement units***10:15** Dimitrios Gounaridis*, University of Michigan; Joshua Newell, School of Environment and Sustainability; *Exploring prospective pathways to scale up urban agriculture: the case of Detroit region.***10:35** Jordan Blekking*, Indiana University; Kurt B Waldman, Indiana University; Erik Nelson, Indiana University; Tom P Evans, University of Arizona; *Spatial characteristics of consumer confidence and food security in secondary cities of Southern Africa***10:55** Benjamin Goldstein*, University of Michigan; Joshua Newell*, University of Michigan; *Linking urban and rural by tracking corporate actors across space and time***11:15** **Discussant(s):** Joshua Newell, Dr., University of Michigan**Sunday-092-9:55 a.m. Graphe: Exploring Geo-Graphic Pedagogies**

Room: Empire Room, Omni, West (Panel)

Time: 9:55 a.m. - 11:35 a.m.

ORGANIZER(S): Eric Huntley, University of Kentucky; Zulaikha Ayub, Princeton University

CHAIR: Eric Huntley, MIT

Introduction(s): Eric Huntley, Technical Instructor, MIT**Panelist(s):** Zulaikha Ayub, Princeton University; Alexander Arroyo, University of California - Berkeley; Matthew Wilson, Associate Professor, University of Kentucky; Eric Huntley, Technical Instructor, MIT; Maria Arquero De Alarcon, University of Michigan; Olaia Chivite**Sunday-093-9:55 a.m. Urban Capacity Building.****Radical Social and Spatial Innovation in the 'Countercurrents' of Global Urbanization 2**

Room: Ambassador Ballroom, Omni, West (Paper)

Time: 9:55 a.m. - 11:35 a.m.

SUNDAY, April 8 • 9:55 AM - 11:35 AM

- ORGANIZER(S): Gruia Badescu, University of Konstanz; Tatjana Schneider, Technische Universität Braunschweig; Panu Lehtovuori, TUT
- CHAIR: Tatjana Schneider, Technische Universität Braunschweig
- 9:55** Ulrike Gerhard*, Heidelberg University; *"My home is my Castle" – Trust and distrust in housing development in cities*
- 10:15** Sanjeev Kumar*, Asst. Prof., RAIGANJ UNIVERSITY; *Locational Conflict in the Patna Municipal Corporation Area: An Exploratory Study in Urban Political Geography*
- 10:35** Jenni Partanen*, Tampere University of Technology; Annuska Rantanen, Tampere University of Technology; Seija Ridell, University of Tampere; *Planning for Netbogs Avatars: Imaginary Overview to 'Smart' Urbanity*
- 10:55** Antti Kurvinen*, Tampere University of Technology; Arto Saari, Tampere University of Technology; *Does Higher Housing Density Always Result in Higher Cost-Efficiency?*
- 11:15** **Discussant(s):** Tatjana Schneider, Technische Universität Braunschweig
- 11:20** **Discussant(s):** Panu Lehtovuori, TUT
- 11:25** **Discussant(s):** Gruia Badescu, University of Konstanz
- 11:30** **Discussant(s):** Matjaz Ursic, University of Ljubljana, Faculty of Social Sciences

Sunday-094-9:55 a.m. Energy Impact Geographies: Local Dynamics of Resource Development (Sponsored by Energy and Environment Specialty Group)

- Room: Regency Ballroom, Omni, West (Paper)
- Time: 9:55 a.m. - 11:35 a.m.
- ORGANIZER(S): Kathryn Walsh, Montana State University; Kristin Smith, Montana State University
- CHAIR: Kathryn Walsh, Montana State University
- 9:55** Kirby Calvert*, University of Guelph; *Renewable energy development and its implications on local land-use systems: experiences from Ontario, Canada*
- 10:15** Kathryn Walsh*, Montana State University; *I'd do it again in a heartbeat: Coalbed methane development and satisfied surface owners in Sheridan County, Wyoming*
- 10:35** Kristin K Smith*, Montana State University; Julia H Haggerty, PhD, Montana State University; *Taking the road less traveled: The work of roads in energy impact geographies*
- 10:55** Adrienne Kroepsch*, Colorado School of Mines; *Analyzing Environmental Justice in the New Geographies of Unconventional Oil and Natural Gas Drilling*
- 11:15** **Discussant(s):** Jennifer Baka, Assistant Professor, Pennsylvania State University

SUNDAY April 8 • 10:00 AM - 2:30 PM

Sunday-200-9:55 a.m. F5_1 Remembering Black Diasporic Place-Making: Adams Morgan and Malcolm X Park

- Room: Field Trip Departure Location (Field Trip)
- Time: 10:00 a.m. - 2:30 p.m.
- ORGANIZER(S): The American Association of Geographers
- CHAIR: The American Association of Geographers

SUNDAY April 8 • 11:45 AM - 2:00 PM

Sunday-003-11:45 a.m. AAG Awards Luncheon

- Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Special Event)
- Time: 11:45 a.m. - 2:00 p.m.
- ORGANIZER(S): The American Association of Geographers
- CHAIR:

SUNDAY April 8 • 2:00 PM - 3:40 PM**Sunday-016-2:00 p.m. Geography, Politics, In/fertilities I: In/fertility Politics in Transnational, Border, and Digital Spaces (Sponsored by Sexuality and Space Specialty Group, Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Emily Mitchell-Eaton, Bennington College; Nancy Hiemstra, Stony Brook University; Kate Coddington, University at Albany

CHAIR: Maria Fannin, University of Bristol

2:00 Introduction(s): Maria Fannin, Senior Lecturer, University of Bristol**2:20** Nancy Hiemstra*, Stony Brook University; *Mothers, babies, and abortion at the border: Fertility and the policing of U.S. national identity***2:40** Swati Shah*, Department of Geography, University of Otago; Christina Ergler, Lecturer, Department of Geography, University of Otago, New Zealand; Bryndl Hohmann-marriott, Department of Sociology, Gender & Social Work, University of Otago, New Zealand; *'People like us need to hide it': Stigma and Surrogacy for the Indian Intending Parents***3:00** Marcia England*, Miami University; *No longer a whisper: Socio-spatial justice and the Shout Your Abortion movement***3:20 Discussant(s):** Juliane Collard, Graduate Student, University of British Columbia**Sunday-019-2:00 p.m. (Author Meets Colleagues) Monica White's Freedom Farmers: Agricultural Resistance & the Black Freedom Movement (Sponsored by Geographies of Food and Agriculture Specialty Group, Black Geographies Specialty Group, Rural Geography Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Garrett Graddy-Lovelace, American University School of International Service

CHAIR: Garrett Graddy-Lovelace, American University School of International Service

Introduction(s): Garrett Graddy-Lovelace, Assistant Professor, American University School of International Service**Discussant(s):** Ashante Reese, Spelman College; Priscilla McCutcheon, Assistant Professor, University of Kentucky; Jonathan Hall, Assistant Professor, West Virginia University**Panelist(s):** Eric Sarmiento, Dr. Texas State University - San Marcos; Bradley Wilson, West Virginia University; Angela Babb, Indiana University**Sunday-020-2:00 p.m. Rural Development and Change (Sponsored by Rural Geography Specialty Group)**

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Glen Conner, Western Kentucky University

2:00 Xiaowen Shang*, *Rural Development Characteristics and Evolution in Central and Western China—and A Discussion on Rural Revitalization***2:20** Michael Ratcliffe*, U.S. Bureau Of the Census; *Urban/Rural or Settlement Intensity? What Do We Really Need to Define and Measure?***2:40** Silke Weidner*, Antje Matern, BTU Cottbus-Senftenberg; James Stevens*, Brandenburg University of Technology Cottbus-Senftenberg; *"Provinzstädte" – central places in rural Germany***3:00** Bill Bedford*, York University; *Alienating Landscapes? Exploring unequal access to waterfront spaces in Ontario's Cottage Country***3:20** Glen Conner*, Western Kentucky University; *The Devolution of Communities in Kentucky***Sunday-023-2:00 p.m. AAG Business Meeting**

Room: 8222, Park Tower Suites, Marriott, Lobby Level (Meeting)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): The American Association of Geographers

Sunday-024-2:00 p.m. Critical Velomobilities 1: Gender, Race, Age, and Class (Sponsored by Transportation Geography Specialty Group, Urban Geography Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Léa Ravensbergen, University of Toronto; Stephanie Sersli, CHHM

CHAIR: Léa Ravensbergen, University of Toronto

2:00 Léa Ravensbergen*, University of Toronto; Ron Buliung, University of Toronto Mississauga; *Gender, Class, and Age Formation While Cycling: Embodied Performativity and Materiality on Two Wheels***2:20** Stephanie Sersli*, Simon Fraser University; Meghan Winters, Simon Fraser University; *Are mobilities of care at odds with bicycling? A closer examination of how diverse women do bicycling.***2:40** Àngel Cebollada*, Esther Anaya-Boig, Centre for Environmental Policy, Imperial College London, London, United Kingdom; Marc Castelló, Department of Geography, Universitat Autònoma de Barcelona; *Exploring socio-spatial inequalities in bike-sharing systems: case studies from Brazil and Spain***3:00** Rebecca Van Stokkum*, University of California - Davis; Sarah McCullough, PhD, UC Davis, Feminist Research Institute; *Gendered and racialized behavior in bicycle planning organizations***3:20 Discussant(s):** John Stehlin, University of Manchester**Sunday-026-2:00 p.m. Beyond Segregation: Rethinking Racial Covenants, Housing Policy and Urban Displacement (Sponsored by Urban Geography Specialty Group)**

Room: 8226, Park Tower Suites, Marriott, Lobby Level (Panel)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Anne Bonds, University of Wisconsin, Milwaukee;

Kevin Ehrman-Solberg, University of Minnesota

CHAIR: Kevin Ehrman-Solberg, University of Minnesota

Discussant(s): Rachel Brahinsky, Assistant Professor, University of San Francisco**Panelist(s):** Anne Bonds, University of Wisconsin, Milwaukee; Kevin Ehrman-Solberg, University of Minnesota; Mara Cherkasky, Historian, Prologue DC, LLC; Sarah Shoenfeld, Prologue DC

SUNDAY, April 8 • 2:00 PM - 3:40 PM**Sunday-025-2:00 p.m. City as Flux: Interrogating the Changing Nature of Urban Change (Sponsored by Urban Geography Specialty Group)**

Room: 8224, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Aseem Inam, Cardiff University; Tigran Haas, Royal Institute of Technology

CHAIR: Tigran Haas, Royal Institute of Technology

2:00 Introduction(s): Aseem Inam, Cardiff University**2:10** Samuel Stein*, CUNY Graduate Center; *Contesting Change in New York City***2:25** Rachel Weber*, University of Illinois At Chicago; *Money matters: How financialization affects the materiality of the built environment***2:40** Emily Talen*, University of Chicago; *Blueprints vs. Tactics: The Case of Neighborhood Planning***2:55** Aseem Inam*, Cardiff University; *Fits and Starts: Las Vegas and Changing Urban Landscapes***3:10 Discussant(s):** Aseem Inam, Cardiff University**Sunday-027-2:00 p.m. Spatial Organization and Livelihoods in Urban Africa (Sponsored by Africa Specialty Group)**

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Raymond Tutu, Delaware State University

CHAIR: Raymond Tutu, Delaware State University

2:00 Maryam Liman*, Bayero University, Kano; Sarfaddeen Kamilu Ila, Bayero University, Kano; Zainab Nuhu, Bayero University, Kano; *Little Ladies on the move: Emerging trend of girl child street hawking in Kano Metropolis, Kano, Nigeria***2:20** Delia Ah Goo*, Dr. North West University; *Resisting gentrification and displacement in the Global South: Experiences from Cape Town, South Africa***Sunday-028-2:00 p.m. Conservation GIS**

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Florencia Sangermano, Clark University; Janet Nackoney, University of Maryland

CHAIR: Florencia Sangermano, Clark University

2:00 Janet Nackoney*, Associate Research Professor, University of Maryland; *Using geospatial information to inform participatory land use planning and conservation efforts for the bonobo (*Pan paniscus*) in the Democratic Republic of the Congo (DRC)***2:20** Yasmine Bouzid*, Université de Cergy-Pontoise; *Collecting, sharing and pooling geographic data for land management***2:40** Dan Dorfman*, CSS Inc.; *Biogeographic Decision Support for Flower Garden Banks National Marine Sanctuary***3:00** Rachel Neugarten*, Conservation International; Timothy Max Wright, Conservation International; Kellee Koenig, Conservation International; *Trends in protected area representation of biodiversity and ecosystem services in five tropical countries***3:20** PAIGE HOEL*, University of California Santa Barbara; *Analyzing risk due to runoff in coastal oceans: An application and visualization for planners***Sunday-036-2:00 p.m. Digital Economies**

Room: Washington 1, Marriott, Exhibition Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Jeremy Bryson, Weber State University

2:00 Yang Yu*, *Cross border e-commerce growth mode and its influencing factors***2:20** XIANG ZHANG*, Miami University; *Digital Economy and the Spatiality of New Economic Geography in China***2:40** Elizabeth Harnett*, Smith School of Enterprise and the Environment; *The Geographies of Sustainable Finance Information and Knowledge Sharing***3:00** Jeremy Bryson*, Weber State University; *Silicon Visions: Regional Entrepreneurialism and the Technology Economy in Utah's Silicon Slopes***Sunday-037-2:00 p.m. Green Cities I: Equity and Justice**

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Michael Finewood, Pace University; Hamil Pearsall, Temple University

CHAIR: Hamil Pearsall, Temple University

2:00 Sharon Cornelissen*, Princeton University; *Shades of Green: Depopulation and Nature in Northwest Detroit***2:20** Ryan Ehrhart*, *The 'entrepreneurial city' vs. the 'right to the city': land use decisions in the context of sustainable urbanism***2:40** Yuki Kato*, Georgetown University; *Social Entrepreneurial Urban Growers in post-Katrina New Orleans***3:00** Stephen Dickinson*, Temple University; Hamil Pearsall, Temple University; Yuki Kato, Georgetown University; Michelle Kondo, Drexel University; Anneclaire DeRoos, Drexel University; Patrick Gurian, Drexel University; *Looking for Equity in Urban Public Spaces: A Literature Synthesis***3:20** Alicia Coleman*, University of Massachusetts - Amherst; Gregory Labombard, University of Massachusetts-Amherst; Theodore S. Eisenman, University of Massachusetts-Amherst; *Street trees and safety implications for drivers, walkers, and bikers: a systematic review***Sunday-038-2:00 p.m. Marketization and its Others.****Technologies, Knowledges, Practices (Sponsored by Economic Geography Specialty Group)**

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Marc Boeckler; Christian Berndt, University of Zurich

CHAIR: Christian Berndt, University of Zurich

2:00 Manuel Wirth*, University of Zurich - Zurich; *Social service "gigs" and austerity experimentalism: the example of Social Impact Bonds in the UK***2:20** Dan Cohen*, Emily Rosenman, University of Toronto; *Whose social? Marketization, finance, and the remaking of social services in the United States***2:40** Peter Wissoker*, Independent Scholar; *Notes Toward a Theory of Investability: Marketization, Real Estate, and the Multiple Interests in Property***3:00** Chi-Mao Wang*, Fu Jen Catholic University, Taiwan (R.O.C.); *Performing and counterperforming the organic food markets in East Asia: ahimsa, scientific knowledges and faith groups*

SUNDAY April 8 • 2:00 PM - 3:40 PM

- 3:20** Dan Santos*, Clark University; James T Murphy, Clark University; *Toward democratized biotechnology? Biohacking communities, sociotechnical transitions and the marketization of open-source biology*

Sunday-040-2:00 p.m. Limits to Gentrification 1

Room: Washington 5, Marriott, Exhibition Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): David Lukens, Clark University

CHAIR: Mark Davidson, Clark University

- 2:00** Craig Lyons*; *Rescaling relations in the rent gap: integrating transectional, carceral, and regional rent gaps into gentrification theory*

- 2:20** David Lukens*, Clark University; *Gentrification and the Housing Affordability Crisis*

- 2:40** Renan Pereira Almeida*, Universidade Federal de Sao Joao del-Rei; Pedro Patricio, Universidade Federal de Minas Gerais; Marcelo de Brito Brandão, Universidade Federal de Minas Gerais; Ramon Torres, Universidade Federal de Minas Gerais; *Neither Displacement Nor Compatible Investments: the case of the North Axis of Belo Horizonte, Brazil*

- 3:00** Matthias Bernt*, Leibniz Institute for Research on Society and Space (IRS); *Very particular, or rather universal? Gentrification in London, Berlin and St. Petersburg*

- 3:20 Discussant(s):** Kate Shaw, Future Fellow, University of Melbourne

Sunday-041-2:00 p.m. Transformations of What, for Whom, by Whom? (III): Barriers and enablers (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)

Room: Washington 6, Marriott, Exhibition Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Karina Benessaiah, McGill University; Benjamin Warner, University of New Mexico

CHAIR: Karina Benessaiah, McGill University

- 2:00** Idowu Ajibade*, Portland State University; *Why some cities transform and others remain vulnerable: interrogating enablers and barriers to transformative adaptation in Metro-Manila.*

- 2:16** Beatriz Ruizpalacios*, UNAM; J. Mario Siqueiros-García, PhD, IIMAS-UNAM; Amy M. Lerner, PhD, LANCIS-UNAM; *Imagining a waste-free landscape: reconnecting people to place as a means to foster agency and overcome dominant structures that constrain city service provision in a peri-urban community in Xochimilco, Mexico City*

- 2:32** Theresa Pendergrast*, Cornell University; *Lessons from the EPA's Urban Waters Federal Partnership: Transformative Potential and Constraining Frames*

- 2:48** Bart Orr*, New School University; *The Resilient City as Sociotechnical Imaginary*

- 3:04** Márton Berki*, Eötvös Loránd University; Margit Kőszegi, Eötvös Loránd University; Géza Barta, Eötvös Loránd University; Zsolt Bottlik, Eötvös Loránd University; Tamás Illés, Eötvös Loránd University; *Spaces and times of liminality: Russian and Soviet expansion endeavors in the European post-Soviet realm*

- 3:20 Discussant(s):** Tim Forsyth, Professor, London School of Economics

Sunday-047-2:00 p.m. Housing Inequality(?)

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Alexander Laxton

- 2:00** Junhao Zhou*, Key Laboratory for Urban Habitat Environmental Science and Technology, School of Urban Planning and Design, Peking University, Shenzhen 518055, PR China; Jiansheng Wu, Key Laboratory for Urban Habitat Environmental Science and Technology, School of Urban Planning and Design, Peking University, Shenzhen 518055, PR China; *Using housing prices variation to classify environmental inequity in Beijing*

- 2:20** Ka Man Leung*; Lennon Hung-tat Choy, The University of Hong Kong; *Self-enforcement mechanism of sub-divided unit market in Hong Kong*

- 2:40** Felipe Valdez*, Northern Illinois University; Xuwei Chen, Northern Illinois University; *Spatial Patterns of Housing Price in Quito, Ecuador*

- 3:00** Alexander M. Laxton*, The University of Birmingham, School of Geography, Earth and Environmental Science; *'#Subscription Living'—framing new rental platforms in the UK's Build-to-Rent market*

Sunday-048-2:00 p.m. (Re)assembling the Politics of the Everyday: Things and Materials in Geographical Analysis I (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group)

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Andrew Grant, University of Colorado At Boulder; Siddharth Menon, – Year –

CHAIR: Andrew Grant, University of Colorado At Boulder

- 2:00** Nadine Plachta*, South Asia Institute; *Garbage: Material sediments of the modern in highland Asia*

- 2:20** Deborah Jackson*, Research Professor, Earlham College; *Sense and Sensibility: A Tourism Experience of Materials and Things in the Tar Sands of Alberta, Canada*

- 2:40** Siddharth Menon*, Department of Geography, University of Wisconsin-Madison; *(Re)assessing the ethno in human geography: towards a technography of concrete*

- 3:00** Frances Butler*, *Matters of Responsibility in State Responses to Sea Level Rise in Coastal Louisiana*

- 3:20 Discussant(s):** Siddharth Menon, – Year –

Sunday-050-2:00 p.m. Future of Dams 3

Room: Jefferson, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Catherine Ashcraft, University of New Hampshire; Kelly Addy, University of Rhode Island; Bridie McGreavy, University of Maine

CHAIR: Kelly Addy, University of Rhode Island

- 2:00** Tyler Quiring*, University of Maine; Catherine M. Ashcraft, University of New Hampshire; Bridie McGreavy, University of Maine; Natallia Leuchanka, University of New Hampshire; Emma Fox, University of Maine; Sharon Klein, University of Maine; Caroline Gottschalk Druschke, University of Wisconsin-Madison; Emma Lundberg, University of Wisconsin-Madison; Emily Vogler, Rhode Island School of Design; Scheri Fultineer, Rhode Island School of Design; Sarah Vogel, University of Maine;

SUNDAY, April 8 • 2:00 PM - 3:40 PM

Samuel Roy, University of Maine; Karen Wilson, University of Southern Maine; Jessica Jansujwicz, University of Maine; Brawley Benson, University of Maine; Kaitlyn Raffier, University of Maine; Kevin Gardner, University of New Hampshire; David Hart, University of Maine; *Shared interview protocol development for cross-disciplinary collaboration: A report from the trenches*

- 2:16** Natallia Leuchanka*, University of New Hampshire; Catherine M. Ashcraft, University of New Hampshire; *People and Conflicts in Dammed New England Landscapes*
- 2:32** Catherine M. Ashcraft*, Assistant Professor, University of New Hampshire; Weiwei Mo, PhD, University of New Hampshire; Natallia Leuchanka, University of New Hampshire; Cuihong Song, University of New Hampshire; *Science-based Role-play Negotiation: Integrating knowledge and boundaries across researchers and stakeholders for sustainability science*
- 2:48** Theresa McCarty*, University of New Hampshire; Catherine M. Ashcraft, Dr, University of New Hampshire; *Collaborative problem-solving in science-based role-play negotiation simulations: A discourse analysis of place-based learning*
- 3:04** Michael Weir*, University of Rhode Island; Catherine M. Ashcraft, University of New Hampshire; Todd Guilfoos, University of Rhode Island; Natallia Leuchanka, University of New Hampshire; Emily Vogler, Rhode Island School of Design; Bridie McGreavy, University of Maine; *Integrative and Distributive Communication in a Coasian Bargaining Lab Experiment*
- 3:20** **Discussant(s):** Kelly Addy, University of Rhode Island

Sunday-051-2:00 p.m. Political and Social Geography

- Room: Johnson, Marriott, Mezzanine Level (Paper)
Time: 2:00 p.m. - 3:40 p.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Rajinder Jutla, Missouri State University
- 2:00** Leszek S. Dąbrowski*, Nicolaus Copernicus University in Toruń; Paweł Smoliński, Nicolaus Copernicus University in Toruń; Stefania Środa-Murawska, Nicolaus Copernicus University in Toruń; *Sister cities - myth or reality? A Generation Z perspective*
- 2:20** Stefania Środa-Murawska*, Nicolaus Copernicus University; Elżbieta Grzelak-Kostulska, Nicolaus Copernicus University; Jarosław Domalewski, Nicolaus Copernicus University; *Culture-led development - experience of polish small cities*
- 2:40** Paweł Smoliński*, Nicolaus Copernicus University in Toruń; Leszek S. Dąbrowski, Nicolaus Copernicus University in Toruń; Stefania Środa-Murawska, Nicolaus Copernicus University in Toruń; *Partnerships above the horizon. Local authorities' and business representatives' experience*
- 3:00** Rajinder Jutla*, Missouri State University; *Social and Political Order through Urban Design*

Sunday-052-2:00 p.m. Open Space Governance: Parks and Greenways

- Room: Marshall East, Marriott, Mezzanine Level (Paper)
Time: 2:00 p.m. - 3:40 p.m.
ORGANIZER(S): Carlos Balsas, University at Albany
CHAIR: Carlos Balsas, University at Albany

- 2:00** Jyoti Gupta*, Vanderbilt University; *Public habits: Smoothing economic imperatives and civic participation in Nashville, Tennessee*
- 2:20** Basil Southey*, Queen's University; *Observing the Parks: Public Park Usage Patterns in High and Low-Income Neighbourhoods of Toronto.*
- 2:40** Matthew Zuccaro*, Montclair State University; *The High Line: Decay and Rebirth of a Public Space in Manhattan*
- 3:00** Carlos Balsas*, University at Albany; *Elevating amenities: A comparative study of non-motorized elevated park infrastructure*

Sunday-053-2:00 p.m. Urban Environment and Sustainability

- Room: Marshall West, Marriott, Mezzanine Level (Paper)
Time: 2:00 p.m. - 3:40 p.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Qiwei Ma
- 2:00** Zijun Ye*, *Review of Sustainable Urban Renewal*
- 2:20** Chengcheng Mao*, *Urban heat island effect of mining cities under mining disturbance: A case of Wu'an*
- 2:40** Gilmar Mascarenhas*, State University of Rio de Janeiro; *Environmental Justice and Production of Space in Rio de Janeiro 2016 Summer Olympics*
- 3:00** Laixiang Sun*, University of Maryland - College Park; Hengzhi HU, Shanghai Climate Center, Shanghai, China; Zhan Tian, South University of Science & Technology of China, Shenzhen, China; *Mitigating the Increasing Risks of Urban Flooding in Central Shanghai: Options and Analysis*
- 3:20** Qiwei Ma*, Department of Regional and Urban Planning, Zhejiang University; *Resilience framework of urban growth boundary based on ecosystem service*

Sunday-054-2:00 p.m. Swinging Shanghai: Changing Megacity

- Room: Marshall North, Marriott, Mezzanine Level (Paper)
Time: 2:00 p.m. - 3:40 p.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Yue Wu, East China Normal University
- 2:00** Tianren Yang*, University of Cambridge; *Long-term prospects of land value capture in Greater Shanghai*
- 2:20** NA TIAN*, East China Normal University; *The Spatio-temporal Evolutionary Characteristics and the Impact Mechanism of Museums in Shanghai*
- 2:40** Danran Song*, East China Normal University; Yunfang Jiang, East China Normal University; Tiemao Shi, Shenyang Jianzhu University; Xuemei Han, East China Normal University; *Adaptive analysis of green space network planning for the cooling effect of residential blocks in summer: a case study in Shanghai*
- 3:00** Yue Wu*, East China Normal University; *Production of Space, Urbanization and Land Use Change in Globalized Shanghai: 2000-2015*

Sunday-056-2:00 p.m. Geography of Health and Disease III: Mapping Clusters and Hot Spots

- Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)
Room: Tyler, Marriott, Mezzanine Level (Paper)
Time: 2:00 p.m. - 3:40 p.m.
ORGANIZER(S): Theme Committee
CHAIR: Huiyu Lin, Kent State University

SUNDAY April 8 • 2:00 PM - 3:40 PM

- 2:00** Teppo Repo*, PhD Candidate, University of Eastern Finland; Markku Tykkyläinen, University of Eastern Finland; Tiina Laatikainen, Institute of Public Health and Clinical Nutrition; University of Eastern Finland, National Institute for Health and Welfare (THL), Joint municipal authority for North Karelia social and health services (Siun sote); *Spatial clustering of coronary heart disease - Exploring causes for hot spots in high-risk region in Finland*
- 2:20** Kevin Berg*, Colorado Department of Public Health & Environment; *Investigating a temporal cluster in asthma emergency department visits in Colorado using the spatiotemporal scan statistic, Bayesian disease mapping, and ecological time-series regression*
- 2:40** Jinfeng Wang*; Mei-Po Kwan, Co-author; Yilan Liao, Co-author; Ningxu Zhang, Co-author; Tonglin Zhang, Co-author; Chengdong Xu, Co-author; *Optimal Mapping of Cancers According to Their Properties and Sample Conditions*
- 3:00** Karessa Manning*, University of Tennessee; Liem Tran, PhD, University of Tennessee; Leslie Galloway, MS, University of Tennessee; *Exploring the connection between Superfund Sites and the Overall Environmental Health at HUC-12 Level*
- 3:20** Huiyu Lin*, Kent State University; Jay Lee, Kent State University; Henan University, China; *Exploring the Modifiable Spatial and Temporal Units Problem in the Spatiotemporal Cancer Pattern Research*

Sunday-057-2:00 p.m. Health and Cities

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Chun Yin, East China Normal University

- 2:00** Ivan Cheung*, National Transportation Safety Board; *Geography of motor vehicle crashes involving cyclists in the United States.*
- 2:20** Bhuiyan Monwar Alam*, The University of Toledo; Rebekka Apardian, Spatially Integrated Social Sciences Program, Department of Geography & Planning, The University of Toledo; *Pedestrian Fatal Crash Location Analysis in Ohio using ESDA Techniques*
- 2:40** Lin Jie*; *How does commute duration affect subjective well-being? A case study of Chinese cities*
- 3:00** Ping Yin*, University of Mary Washington; *Comparison of urban greenness measurements in assessing the associations between residential greenness and birth weight*
- 3:20** Chun Yin*, East China Normal University; Bindong Sun, East China Normal University; *Does Compactness Reduce Obesity? The Evidence from China*

Sunday-058-2:00 p.m. Critical Aquaculture Studies II: Socio-Ecological Impacts and Responses in the Global South (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Young Rae Choi, Florida International University; Timothy Gorman, Cornell University; Melva Treviño-Peña, University of Rhode Island

CHAIR: Young Rae Choi, Florida International University

- 2:00** Melva Treviño-Peña*, University of Rhode Island; *Transforming the environment, transforming lives: The impacts of shrimp aquaculture on a coastal community in northern Ecuador*
- 2:20** Timothy Gorman*, Montclair State University; *Accumulation without Dispossession? Distributional Impacts of Shrimp Aquaculture in Vietnam's Mekong Delta*
- 2:40** Katie Rainwater*; *Not the same shrimp: Understanding the histories of farmed saltwater shrimp production in Bangladesh and Thailand, 1980 - 2017*
- 3:00** Alison Rieser*, Professor, University of Hawaii - Manoa; *Science, Seaweed, and Social License: Aquaculture Policy in Transition*

Sunday-060-2:00 p.m. GeoHealth and Environmental Science

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Theme Committee

CHAIR: William Osei, Algoma University

- 2:00** Montserrat Pallares-Barbera*, Ph.D., Universitat Autònoma de Barcelona; Meritxell Gisbert, Ph.D., Universitat Autònoma de Barcelona. Department of Geography; Anna Badia, Ph.D., Universitat Autònoma de Barcelona. Department of Geography; *The future of sustainable urban planning. Natural ventilation and insolation in Barcelona's Cerdà Plan of Urban Expansion*
- 2:20** Yi Wang*, Peking University; *The location to plant trees: for political achievements or for human benefits?*
- 2:40** Colleen Reid*, University of Colorado, Boulder; Jamie Humphrey, PhD, MPH, Dornsife School of Public Health, Drexel University, Philadelphia, PA; Emmanuelle Hines, Geography Department, University of Colorado Boulder, Boulder, CO; Kevin Mason, MA, Geography Department, University of Colorado Boulder, Boulder, CO; *The role of greenspace on school absences in a nationally representative cohort*
- 3:00** Ye Liu*, Ruoyu Wang, School of Geography and Planning, Sun Yat-sen University; Yang Xiao, Department of Urban Planning, Tongji University; Baishi Huang, School of Geography and Planning, Sun Yat-sen University; Hongsheng Chen, School of Architecture, Southeast University; Zhigang Li, School of Urban Design, Wuhan University; *Exploring the linkage between greenness exposure and depression among Chinese people: Physical activity, stress reduction and neighborhood social cohesion as mediators*
- 3:20** William Osei*, Algoma University; *Waste Management and Sustainable Development*

Sunday-061-2:00 p.m. Ethics of Researching Evictions:**Beyond Big Data Labs**

Room: Madison B, Marriott, Mezzanine Level (Panel)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Erin McElroy, University of California - Santa Cruz; Terra Graziani

CHAIR: Erin McElroy, University of California - Santa Cruz

Introduction(s): Erin McElroy, University of California - Santa Cruz; Terra Graziani

SUNDAY, April 8 • 2:00 PM - 3:40 PM

Panelist(s): Daniela Aiello, Graduate Student, University of Georgia; Isabel Duron; Alex Werth, University of California - Berkeley; Taylor Shelton, Assistant Professor, Mississippi State University

Sunday-062-2:00 p.m. Local Land Use and Livelihood

Room: Buchanan, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Anirban Datta Roy

2:00 Ying-Chih Huang*; *Daily Farming Actions in New Taipei City: Comparison of Social Stratification in Materiality and Spatiality*

2:20 Carolina Sampedro*; Francesco Pizzitutti, Instituto de Geografia de la Universidad San Francisco de Quito; *Food Supply System Dynamics in the Galapagos Islands: Agriculture, Livestock, and Imports*

2:40 Maction Komwa*, George Mason University; Maction K Komwa, Department of Geography and Geoinformation Science, George Mason University, Fairfax, VA 22030; Constance Awuor Gewa, Department of Nutrition and Food Studies, George Mason University, Fairfax, VA 22030; Bonnie Stabile, Schar School of Policy and Government, George Mason University, Fairfax, VA 22030; *Impact of distance to market areas and household food security in Seme sub-county of Kenya*

3:00 Anirban Datta Roy*; *Hunting in the fallows: The significance of swidden fallows for subsistence hunting in Arunachal Pradesh, India*

Sunday-063-2:00 p.m. Automated GISci for Network-based Decisions (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): James Gaboardi, Florida State University; Levon Mikaelian, Florida State University

CHAIR: James Gaboardi, Florida State University

2:00 Levon Mikaelian*, Florida State University; *Network analysis using OpenTripPlanner: Use cases in the study of transit-society interactions*

2:20 Devon Lechtenberg*, Capitol Region Council of Governments (CROG); *Exploring the Geographic Predisposition towards Outbound Commuter Flows in New England Towns*

2:40 Qiao Zhao*, McGill University; *Balancing the Transit-Oriented Development and Transit Accessibility: Case Studies for Six Metropolitan Areas in the United States*

3:00 Song Gao, University of Wisconsin-Madison; Yunlei Liang, University of Wisconsin-Madison; Yuhao Kang, University of Wisconsin-Madison; YUQI GAO*; *Analyzing Regional Economic Indicators from Transportation Network Analytics*

3:20 Tian Lan*, The Hong Kong Polytechnic University; Zhi-lin Li, The Hong Kong Polytechnic University; Hong Zhang, Southwest Jiaotong University; *Exploring Allometric Relations between Structural Fractality of Road Networks and Urban Socioeconomic Quantities*

Sunday-064-2:00 p.m. Agricultural Geographies: Across the Scales (Sponsored by Rural Geography Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: John Canfield, Auburn University

2:00 Sohyun Park*, Ohio State University; Darla Munroe, Ohio State University; *Visualizing global virtual land flow using halfcircle diagram*

2:20 LU WANG*; *Research on Network Structure of Agricultural Product Trade of the countries along the "Silk Road Economic Belt"*

2:40 Neil Argent*, University of New England; *From out of the margins: Understanding the (relative) resilience of staples dependent rural economies and communities in Australia*

3:00 Stefani Daryanto*, Beijing Normal University; Bojie Fu, Beijing Normal University; Wenwu Zhao, Beijing Normal University; Shuai Wang, Prof, Beijing Normal University; Lixin Wang, Indiana University Purdue University Indianapolis; Huizen Mao, Beijing Normal University; *Shrub encroachment in China: Bridging the knowledge gap*

3:20 John Canfield*, Auburn University; Loka Ashwood, Auburn University; Madeleine Fairbairn, University of California: Santa Cruz; Kathryn DeMaster, University of California: Berkeley; Anand Kumar, University of California: Berkeley; *Piercing the Corporate Veil: Exploring Farmland Financialization in McDonough and Fulton Counties, Illinois*

Sunday-067-2:00 p.m. Author Meets Critics: Aerial

Aftermaths: Wartime from Above

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Emily Gilbert, University of Toronto

CHAIR: Emily Gilbert, University of Toronto

Panelist(s): Caren Kaplan, Professor, University of California - Davis; Jason Pearl, Florida International University; Katharine Hall, Lecturer in Politics & International Relations, Queen Mary University of London; Anna Feigenbaum, Bournemouth University; Derek McCormack, University of Oxford

Sunday-069-2:00 p.m. Urban Crime Mapping and Analysis Using GIS III (Sponsored by Cartography Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Michael Leitner, Louisiana State University; Alina Ristea, University of Salzburg

CHAIR: Michael Griffin, University of West Georgia

2:00 Armando Garcia Chiang*, Universidad Autónoma Metropolitana - Iztapalapa; *The landscape and the territory in the crime fiction*

2:20 Jeremy Auerbach*, Colorado State University; Janean E Dilworth-Bart, PhD, University of Wisconsin-Madison; Sheryl Magzamen, MPH, PhD, Colorado State University; Colleen F Moore, PhD, University of Wisconsin-Madison; Marjorie Coons, RN, MS, Colorado State University; Bakari Wallace, MSW,

SUNDAY April 8 • 2:00 PM - 3:40 PM

- University of Wisconsin-Madison; *Race-based disparities in blood lead and adult court involvement*
- 2:40** Michael Griffin*, University of West Georgia; *A Study of Campus Crime in the United States*
- 3:00** Natalia Sypion Dutkowska*, University of Szczecin; *Impact of tourism on the level of crime in the Polish coastal zone*
- 3:20** Yeondae Jung*, University of Texas - Dallas; *Temperature and violent crime in Seoul, South Korea*

Sunday-074-2:00 p.m. Time, Affect, and the Political**Economy of Space Production (2)**

Room: Stones Throw 3 - Mica, Marriott, Mezzanine Level (Panel)
Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Harry Pettit, London School of Economics; Mara Nogueira, London School of Economics

CHAIR: Harry Pettit, University of Oxford

Panelist(s): Austin Zeiderman, Associate Professor of Geography, London School of Economics; Amber Murrey, Dr., University of Oxford; Jill Williams, Associate Research Social Scientist, University of Arizona; Jennifer Tucker, Assistant Professor, University of New Mexico; Mara Nogueira, London School of Economics

Sunday-080-2:00 p.m. Perspectives on Mobility and Social**Exclusion**

Room: Palladian, Omni, West (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Jacquie Bridgman, University of Northampton; Liam Fassam, Institute of Logistics, Infrastructure, Supply & Transportation

CHAIR: Jacquie Bridgman, University of Northampton

2:00 Liam Fassam*, Institute of Logistics, Infrastructure, Supply & Transportation; *Literature review and geospatial analysis of essential services leading to social exclusion of vulnerable groups*

2:20 Mitchell Snider*, University of Kentucky; *"There is a way of being weary" – Latine perspectives on mobilities in East Boston*

2:40 Veronika Zuskacova*, Masaryk University; Daniel Seidenglanz, Masaryk University; *Places of exclusion. Exploring the everyday spatiality of car users in the Czech Republic.*

3:00 Kyle Sorlie Titlow*, University of Arizona; *'De Alguna Manera Llegas', A geographic information systems study of public transit accessibility for precarious settlements in Buenos Aires, Argentina*

3:20 Tracey Farrigan*, Economic Research Service - USDA; Gloria Gagin, Economic Research Service - USDA; Bruce Weber, Oregon State University; Amy Glasmeier, Massachusetts Institute of Technology; *The (un)changing map of rural poverty since The People Left Behind (1967)*

Sunday-081-2:00 p.m. Social & Cultural Geography Plenary:**The Making of Residential Tourism Space: Land, Servitude and Embodied Histories in Panama (Sharlene Mollett) (Sponsored by Routledge, Taylor & Francis Group)**

Room: Diplomat Room, Omni, West (Panel)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Mary Gilmartin, Maynooth University

CHAIR: David Bissell, University of Melbourne

Introduction(s): David Bissell, Dr, University of Melbourne
Panelist(s): Sharlene Mollett, Assistant Professor, University of Toronto

Discussant(s): Derek Alderman, Professor & Former AAG President, University of Tennessee; Diana Ojeda, Ms, Universidad Javeriana; Joseph Bryan, Associate Professor, Department of Geography, University of Colorado, Boulder; Soren Larsen, Associate Professor, University of Missouri

Sunday-086-2:00 p.m. Rethinking Engagements with Nature via Tourism Part I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Media and Communication Geography Specialty Group)

Room: Senate Room, Omni, West (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Elizabeth Vidon, SUNY-ESF; Jillian Rickly, University of Nottingham

CHAIR: Elizabeth Vidon, SUNY-ESF

2:00 Harng Luh Sin*, National University Of Singapore; Winston Chow, National University of Singapore; *Pro-environment messaging in nature-themed parks*

2:20 Claire Dumont*, University of Vermont; *A Wilderness Techscape: Land-Use Conflict, Work, and Recreation in the Central Klamath River Region*

2:40 Michela Stinson*, University of Waterloo; Bryan S. R. Grimwood, PhD, University of Waterloo; *Crushing defeat: beta as a material-discursive defacing in rock climbing*

3:00 Benjamin Carpenter*, SUNY ESF; Elizabeth Vidon, PhD, SUNY ESF; *Boys' Clubs and Beta Sprayers: Masculinized wilderness and gendered disparities in wilderness experiences*

3:20 Discussant(s): Jillian Rickly, Associate Professor, University of Nottingham

Sunday-088-2:00 p.m. Emerging Geospatial Techniques to Advance the Understanding of Water Resources (Sponsored by Water Resources Specialty Group)

Room: Cabinet Room, Omni, West (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Ruopu Li, Southern Illinois University; Qiusheng Wu, Binghamton University

CHAIR: Ruopu Li, Southern Illinois University

2:00 Qiusheng Wu*, Assistant Professor, Binghamton University; *Efficient delineation of nested depression hierarchy in digital elevation models for hydrological analysis using level-set method*

2:20 Thomas Pingel*, Associate Professor, Virginia Tech; Andrea Saavedra, Northeastern Illinois University; Lily Cobo, Northern Illinois University; *Deriving Land and Water Elevations in the Yucatán Peninsula using RTK GPS and UAV-based Photogrammetry*

2:40 Kirandeep Kaur Basran*, Applied Geospatial Research Group, Department of Geography, University of Calgary; Gregory J. McDermid, Applied Geospatial Research Group, Department of Geography, University of Calgary; Mir Mustafizur Rahman, Applied Geospatial Research Group, Department of Geography, University of Calgary; *Mapping Groundwater Table in Alberta's Boreal Region Using Remote Sensing Techniques*

SUNDAY, April 8 • 2:00 PM - 3:40 PM

3:00 Francisco Ochoa*, University of Texas - Austin; Kelley A. Crews, University of Texas - Austin; *Modeling and calibrating evapotranspiration through spectral indices in savanna ecosystems*

3:20 Xue Li*, Pacific Northwest National Laboratory; Timothy N Mcpherson, Pacific Northwest National Laboratory; *High-resolution water consumption estimates based on open information*

Sunday-089-2:00 p.m. Metropolis (Un)bounded:

Infrastructural Inter-dependencies, Instabilities and Inequalities in Metropolitan Regions (Sponsored by Urban Geography Specialty Group)

Room: Council Room, Omni, West (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Oren Shlomo, Interdisciplinary Center Herzliya; Nathan Marom, Interdisciplinary Center Herzliya

CHAIR: Nathan Marom, Interdisciplinary Center Herzliya

2:00 Nathan Marom*, Dr., Interdisciplinary Center Herzliya; Oren Shlomo*, Interdisciplinary Center Herzliya; *Infrastructural Interdependencies and Inequalities in the Tel Aviv Metropolitan Region*

2:20 Andreas Schmitt*, TU Darmstadt; *Infrastructural Overload*

2:40 Melissa Keeley*, George Washington University; *Green Infrastructure and Sustainability in Shrinking Cities*

3:00 Yi Rong Tan*, Nanjing University; *Transportation Infrastructures in Greater Kuala Lumpur, Malaysia*

3:20 Discussant(s): Gabriella Carolini, Massachusetts Institute of Technology

Sunday-090-2:00 p.m. Innovation and Creativity in Qualitative Methodologies I (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)

Room: Congressional A, Omni, West (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Chad Steacy, University of Georgia

CHAIR: Chad Steacy, University of Georgia

2:00 Cydney Seigerman*, University of Georgia; *Presentations as Performance at Academic Conferences*

2:20 Vaishnavi Tripuraneni*; *Life or debt: An oral history approach to understanding the role of debt in farmer lives and livelihoods in Telangana, India.*

2:40 Thomas Crawford*, Virginia Tech; *Bicycle Geographies: An Analysis of Recent Television Commercials*

3:00 Karen Kinslow*, University of Kentucky; *Methods that Matter: Conceiving (of) Socio-ecological Research at Cane Run*

3:20 Discussant(s): Daniella Hirschfeld, University of California - Berkeley

Sunday-092-2:00 p.m. Human Nature - Animal Nature Intersections

Room: Empire Room, Omni, West (Paper)

Time: 2:00 p.m. - 3:40 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Nicole Mayberry

2:00 Tess Skidmore*, University of Southampton; *Who is rehomed and why? Examining the significance of the AT-animal bond*

2:20 Yu Shih Ting*, Department of geography, National Taiwan University; *Rethinking laboratories: The meaning of archaeological laboratory in the practice between scholars and students*

2:40 Joshua Steckley*; *Treasuring Worms or Worms as Treasure: how the bait worm industry challenges Ontario farmer perspective on soil health*

3:00 Nicole Mayberry*; *Imagined Space & Species: An Examination of Artificial General Intelligence and Violence*

SUNDAY April 8 • 3:55 PM - 5:35 PM**Sunday-016-3:55 p.m. Geography, Politics, In/Fertilities****II: Un/Freedoms of In/Fertility in Institutions and Autoethnography (Sponsored by Sexuality and Space Specialty Group, Political Geography Specialty Group, Socialist and Critical Geography Specialty Group)**

Room: 8210, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Emily Mitchell-Eaton, Bennington College; Kate Coddington, University at Albany; Nancy Hiemstra, Stony Brook University

CHAIR: Emily Mitchell-Eaton, Bennington College

3:55 Kate Coddington*, University at Albany; *Embodied borders: intimacy, discomfort, and the UK's 'hostile environment'***4:15** Emily Mitchell-Eaton*, Bennington College; *Geographies of (social) reproduction, care, and intellectual labor in the university***4:35** Sarah M. Hughes*, University of Durham; *"Wait for a permanent contract": the temporal politics of fertility as an Early Career Researcher***4:55** Anna Lyon*, University of Texas at Austin; *No Future Contact: Egg Donation and the Fantasy of Anonymity***5:15 Discussant(s):** Heidi Nast, Professor, DePaul University**Sunday-019-3:55 p.m. Geographies of Black Liberation****(Sponsored by Black Geographies Specialty Group)**

Room: 8216, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Adam Bledsoe, Florida State University; Nik Heynen, University of Georgia; Willie Wright, Department of Geography

CHAIR: Adam Bledsoe, Florida State University

3:55 Celeste Winston*, The Graduate Center, CUNY; *Black geographic visions and practices of community beyond policing***4:15** Adam Bledsoe*, Florida State University; *Anti-Black Populism***4:35** Willie Wright*, Department of Geography; *Marronage as a Place of Possibility***4:55** Nik Heynen*, University of Georgia; *Re-Earthing as Abolitionist Praxis***5:15 Discussant(s):** Sara Safransky, Vanderbilt University**Sunday-020-3:55 p.m. Productive Violence: States, Capital, and Bodies (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: 8217, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Stian Rice, Kent State University

CHAIR: Alex Colucci, Kent State University

3:55 Alex Colucci*, Kent State University; *Making Killing Work: Capital Punishment and the Productive Circuits of the Death Chamber***4:15** Samuel Henkin*, University of Kansas; *Southeast Asia's "obsession with rights": Authoritarianism, security governance, and cultures of impunity***4:35** Nemoy Lewis*, York University; *Racial Capitalism: Foreclosing the Surplus***4:55** Stian Rice*, Kent State University; *Starve them, rent them, or force them: enclosing and disciplining agriculture's reserve army of labor***5:15 Discussant(s):** James Tyner, Kent State University**Sunday-024-3:55 p.m. Critical Vélomobilities 2: Space, Landscapes, and Policies (Sponsored by Transportation Geography Specialty Group, Urban Geography Specialty Group, Geographic Perspectives on Women Specialty Group)**

Room: 8223, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Léa Ravensbergen, University of Toronto; Stephanie Sersli, Simon Fraser University

CHAIR: Stephanie Sersli, Simon Fraser University

3:55 Dane Atkins*, Texas State University; *Reimagining the Ideal Landscape of the Cyclist***4:15** Matthieu Adam*, UMR EVS, CNRS, Université de Lyon, ENS de Lyon; Anne-Laure Collard, UMR G-EAU, IRSTEA Montpellier; Marylise Cottet, UMR EVS, CNRS, Université de Lyon, ENS de Lyon; Sylvie Morardet, UMR G-EAU, IRSTEA Montpellier; Anne Rivière-Honegger, UMR EVS, CNRS, Université de Lyon, ENS de Lyon; Lise Vaudor, UMR EVS, CNRS, Université de Lyon, ENS de Lyon; *A cycle route to enhance the heritage and landscape of a territory: for which users and to what effect? The case of the Rhône River***4:35** Rebecca Mayers*, University of British Columbia; Troy Glover, University of Waterloo; *Claim the lane! Cycling Space, Safety, and the Right to the City***4:55** Jean-Baptiste Fretigny*, Université de Cergy-Pontoise; Caroline Boulou, Université de Cergy-Pontoise; *Frail Changes In Cycling Policies: (Un)shifting Meanings and Practices In Current Policy Making***5:15 Discussant(s):** Do Lee, Visiting Lecturer, Queens College**Sunday-027-3:55 p.m. Critical Approaches to Wildlife Conservation (Sponsored by Animal Geography Specialty Group, Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: 8228, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Sandra McCubbin, Queen's University; Shannon O'Lear, University of Kansas

CHAIR: Shannon O'Lear, University of Kansas

3:55 Sandra McCubbin*, Queen's University; Alice Hovorka, York University; *Visioning African Lionscapes: Securing space, mobilizing capital, and fostering subjects***4:15** Shannon O'Lear*, Professor, University of Kansas; *Critical Geopolitics of Wildlife Conservation***4:35** Mollie Holmberg*, University of British Columbia; *Crisis ecology at the Vancouver Aquarium: Putting octopuses to work for conservation***4:55** Marlotte De Jong*, *Constructing the Poacher: Narratives of Blame in Ivory Poaching***5:15** Liam Kennedy-Slaney*, University of Manitoba; *The Bear in the Thaw: Political Inheritances of Wildlife Conservation***Sunday-028-3:55 p.m. Conservation GIS 2**

Room: 8229, Park Tower Suites, Marriott, Lobby Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Florencia Sangermano, Clark University; Janet Nackoney, University of Maryland

CHAIR: Florencia Sangermano, Clark University

3:55 Introduction(s): Florencia Sangermano, Assistant Professor, Clark University

SUNDAY, April 8 • 3:55 PM - 5:35 PM

- 3:57** Brandyn Balch*, West Virginia University - Morgantown, WV; Timothy Warner, PhD, West Virginia University - Morgantown, WV; Nicholas Skowronski, PhD, West Virginia University - Morgantown, WV; *Using lidar to quantify and evaluate shade heterogeneity in potential habitats of the endangered Karner blue butterfly (*Lycaeides melissa samuelis*)*
- 4:17** Alison Thieme*, University of Maryland; Alexandra Tyukavina, University of Maryland; Peter Potapov, University of Maryland; Matthew C Hansen, University of Maryland; *Small-Scale Deforestation in the Interior Amazon Forest: Identifying Land Cover Transitions*
- 4:37** Leandra Merz*, University of Florida; *Perceptions of Wildlife*
- 4:57** Thayer Young*, Cicada Systems GIS Consulting; *The Open Space Prioritization Model for Preservation and Conservation in the Dense Inner Suburbs*
- 5:17** Florencia Sangermano*, Assistant Professor, Clark University; *Changes in connectivity within the Vilcabamba-Amboro conservation corridor*

Sunday-036-3:55 p.m. Geographies of Beauty

Room: Washington 1, Marriott, Exhibition Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Annie Elledge, University of Texas - Austin

CHAIR: Caroline Faria, University of Texas - Austin

Panelist(s): Erin Clancy, Department of Geography; Annie Elledge, University of Texas - Austin; Vivian Rodriguez Rocha, Penn State University; Mu-Chih Shih, National Taiwan Normal University; Dominica Whitesell, University of Texas - Austin

Sunday-037-3:55 p.m. Green Cities II: Dispossession and Gentrification

Room: Washington 2, Marriott, Exhibition Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Michael Finewood, Pace University; Hamil Pearsall, Temple University

CHAIR: Michael Finewood, Pace University

- 3:55** Michael Finewood*, Pace University; A Marissa Matsler, Cary Institute of Ecosystem Studies; *The complicated role of green infrastructure incentive programs in urban gentrification processes*
- 4:15** Hamil Pearsall*, Temple University; Jillian Eller, Temple University; *Locating the green space paradox: A study of gentrification and park accessibility in Philadelphia, Pennsylvania*
- 4:35** Naomi Schiller*, Brooklyn College, CUNY; *Rebuild by Dispossession: Coastal Resiliency, Race, and Class on the Lower East Side*
- 4:55** Christina Rosan*, Individual Member; *Can Sustainability in Philadelphia Be Equitable? The Evolution of the Sustainability Planning Agenda*
- 5:15 Discussant(s):** Isabelle Anguelovski, Universitat Autònoma de Barcelona -ICTA-

Sunday-038-3:55 p.m. From Timber to Timbre: Geographies of Forests, Tonewoods, and Guitars

Room: Washington 3, Marriott, Exhibition Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Jared Beeton, Fort Lewis College; Jose Martinez-Reyes, UMass Boston Anthropology

CHAIR: Jared Beeton, Fort Lewis College

- 3:55** Jared Beeton*, Fort Lewis College; *The Beetles: A story of guitars, forest management, and climate change*

- 4:15** Jose Martinez-Reyes*, UMass Boston Anthropology; *Guitar Ecologies and the Making of Fiji Mahogany*

- 4:35** Aaron Allen*, UNC Greensboro; *Trees, Music, Values*

- 4:55** Chris Gibson*, University of Wollongong Australia; Andrew Warren, University of Wollongong Australia; *Keeping time with trees: guitars, timber, and ecological experiments for unknown futures*

- 5:15** Jasper Waugh-Quasebarth*, University of Kentucky; *Resounding in the Mountains: Musical Instrument Makers, Red Spruce, and Appalachian Forests*

Sunday-040-3:55 p.m. Limits to Gentrification 2

Room: Washington 5, Marriott, Exhibition Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): David Lukens, Clark University

CHAIR: Mark Davidson, Clark University

- 3:55** Meric Kirmizi*, Asst. Prof. PhD, Ondokuz Mayıs University; *A Neighbourhood Commons Proposition based on A Comparison of The Gentrification Processes in the Global North, South and Japan*
- 4:15** Michael Koscielniak*, PhD Candidate, University of Michigan; Michael Borsellino, University of Michigan; *Backfill to the City Movement: Dirt, Demolition, and Accumulation-by-Destruction in Detroit, MI*
- 4:35** Yongshen Liu*, City University of Hong Kong; *Revisit China's Neoliberal Urbanism beyond the Political-economic Perspective: An Ethnographic Research on a University Town in Guangzhou*
- 4:55** Nicholas Finio*, University of Maryland; Elijah Knaap, PhD, Postdoctoral Scholar, University of California Riverside; *Gentrification with a white picket fence: neighborhood upgrading in US suburbs*
- 5:15 Discussant(s):** Mark Davidson, Clark University

Sunday-041-3:55 p.m. Contemporary Issues in Human Geography

Room: Washington 6, Marriott, Exhibition Level (Lightning Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): The American Association of Geographers

CHAIR: Sadaf Javed, Rutgers University

- 3:55** O'Neil Miller*, University of Tsukuba; Sayaka Fujii, University of Tsukuba; *Management and Spatial Planning of Street Vendors: Improving street market space in Downtown Kingston, Jamaica*
- 4:05** Tyler Sonnichsen*, University of Tennessee; *The Florida Man at the Fringes of American Society*
- 4:15** Evelyn Ravuri*, Saginaw Valley State University; *The Great Recession and Neighborhood Change in Cincinnati*
- 4:25** PRISCILLA APRONTI*, Queen's University; *Contextualising the United Nations Declaration on the Rights of Indigenous People (UNDRIP) within non-settler colonial states: A case study of African countries*
- 4:35** Christopher Gaulin*, James Baldwin, Boston University, Thesis advisor; Taylor Perez, Boston University; *US Climate Security: A Framework for Assessment*
- 4:45** Sadaf Javed*, Rutgers University; *From Chipko to Baranaja: Untangling the politics around agroecology in Uttarakhand (North India)*

SUNDAY April 8 • 3:55 PM - 5:35 PM**Sunday-047-3:55 p.m. The Housing Geographies of Refugees in Western Countries**

Room: Balcony A, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Hala El Moussawi, Vrije Universiteit Brussel

CHAIR: Hala El Moussawi, Vrije Universiteit Brussel

3:55 Hala El Moussawi*, Vrije Universiteit Brussel; *The Housing trajectories of Refugees in Belgium***4:15** RAFIK ARFAOUI*, *Socio-spatial dynamics in non-metropolitan areas in the light of the housing trajectories of refugees and rejected asylum seekers***4:35** Peltier Emma*, *Romanian migrants in the Paris region: barriers for housing, tactics for surviving***4:55** Angeliki Paidakaki*, KU Leuven; *Tracing transition pathways towards egalitarian urbanities through housing alternatives for refugees. The case studies of Vienna and Madrid.***5:15** Shannon Damery*, University of Liege; *When House is not Home: Young refugees creating home in the city of Brussels***Sunday-048-3:55 p.m. (Re)assembling the Politics of the Everyday: Things and Materials in Geographical Analysis II (Sponsored by Cultural Geography Specialty Group, Political Geography Specialty Group)**

Room: Balcony B, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Andrew Grant, University of Colorado At Boulder; Siddharth Menon, – Year –

CHAIR: Siddharth Menon, – Year –

3:55 Daniel Abrahams*, Visiting Assistant Professor, University of South Carolina; *Sodas as Boundary Objects in Development Practice***4:15** Dylan Brady*, University of Oregon; *One Ticket, One Card, One Person: Legibility and Wayfinding in the Chinese Rail System***4:35** Mariya Shcheglovitova*, University of Maryland - Baltimore County; *The Standing Dead: Constructing and Deconstructing the Urban Forest***4:55** **Discussant(s):** Andrew Grant, University of Colorado at Boulder**5:15** Yang Yang*, University of Colorado - Boulder; *Enjoying Your Guilty Pleasure in Halal Ways: Milo, McDonalds, and Chinese Muslim Tourists in Malaysia***Sunday-050-3:55 p.m. Future of Dams 4**

Room: Jefferson, Marriott, Mezzanine Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Catherine Ashcraft, University of New Hampshire

CHAIR:

Sunday-051-3:55 p.m. Police Geographies of Dispossession and Displacement

Room: Johnson, Marriott, Mezzanine Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Andrea Miller, University of California - Davis; Tyler Wall, University of Tennessee, Knoxville

CHAIR:

Panelist(s): Brian Jordan Jefferson, Assistant Professor, University of Illinois Urbana Champaign; Erin McElroy, University of California - Santa Cruz; Andrea Miller, University of California - Davis; Mat Coleman, Ohio State University**Discussant(s):** Lisa Bhungalia, Kent State University; Tyler Wall, University of Tennessee, Knoxville**Sunday-052-3:55 p.m. Perspectives on (sub)Urban Sprawl, Urban Form/Urban Growth, Smart Growth, Inner City Developments: Issues, Analysis and Critiques**

Room: Marshall East, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Sunhui Sim, University of North Alabama

CHAIR: Sunhui Sim, University of North Alabama

3:55 Sunhui Sim*, Associate Professor, University of North Alabama; Stefan Fina, Research Institute for Regional and Urban Development gGmbH; Karsten Rusche, Research Institute for Regional and Urban Development gGmbH; Caroline Baumgart, Research Institute for Regional and Urban Development gGmbH; *Urban growth pattern in Europe and the United States***4:15** Rahul Ratnam*, Research Scholar, Department of Geography, Panjab University, Chandigarh; Ravinder Kaur, Professor, Department of Geography, Panjab University, Chandigarh; *Rural Land Transformation in an Urban Fringe***4:35** Elaf Alyasiri*, *Analyzing the Spatial pattern for the land cover for City of Hillah, Iraq***4:55** Prasad Pathak*, Dr., Dept of Physical and Natural Sciences, FLAME University, Pune, India; Russell Smith, Dr., Department of History, Politics & Social Justice, Winston-Salem State University, Winston-Salem, NC 27110; *Smart city, Land use changes and Surface Temperature Patterns in Pune – a case study***Sunday-053-3:55 p.m. Uncertainties and Temporalities of Environmental Data**

Room: Marshall West, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Arielle Hesse, Pennsylvania State University

CHAIR: Arielle Hesse, Pennsylvania State University

3:55 Scott Stephenson*, University of Connecticut; Colin Gleason, University of Massachusetts Amherst; Luis Alvarez León, Dartmouth College; *Practitioner Perceptions of Remote Sensing Data and Methodologies***4:15** Emily Brooks*, *"Your Drought Hasn't Started Yet": Groundwater Systems In and Out of Sync***4:35** Arielle Hesse*, Trinity College Dublin; Patrick Bresnihan, Trinity College Dublin; *Capturing a Catchment: Data and Uncertainties in Managing Ireland's Water Resources***4:55** Jeremy Trombley*, *Modeling the Model: Adapting to Data Uncertainties in Watershed Management***5:15** Kallista Bley*, University of Wisconsin–Madison; *Sensing Toxicity: Water Systems and Quality Monitoring Data***Sunday-054-3:55 p.m. Spatial Issues in Finance and Capital Investment**

Room: Marshall North, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Program Committee, American Association of Geographers

CHAIR: Benjamin Smith, Global and Sociocultural Studies

3:55 Edward Ramsamy*, Rutgers University; *The World Bank and the American Empire*

SUNDAY, April 8 • 3:55 PM - 5:35 PM

- 4:15** Robert Reuschlein*, Real Economy Institute; *Political Economy and Geography of Military Spending*
- 4:35** Benjamin Smith*, Global and Sociocultural Studies; *Competition, Investment and Aggressivity in the Ruins of the Gulf Cooperation Council*

Sunday-055-3:55 p.m. Sensing Subjects: Towards a Non-representation of Sense

Room: Marshall South, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Phillip Campanile, University of California - Berkeley; Leonora Zoninsein, University of California, Berkeley

CHAIR: Phillip Campanile, University of California - Berkeley

- 3:55** Phillip Campanile*, University of California - Berkeley; *Exposure to the Elements: problems in territorial belonging*
- 4:15** Leonora Zoninsein*, University of California, Berkeley; *Theorizing a Geography of the Senses*
- 4:35** Angeline Young*, *An Asianist Dance Approach to Chinese Choreographies of Labor in Rome*
- 4:55** Maral Sotoudehnia*, University of Victoria; *Sticky, waddling: An autobiography of pregnant embodiment in Toronto's crypto-economy*
- 5:15** Daniel Niles*, Research Institute for Humanity and Nature; *Patterns in place: the aesthetic dimensions of agroecological sustainability*

Sunday-056-3:55 p.m. Geography of Health and Disease IV: HIV, LGBTQ, and Vaccine Refusers

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Tyler, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Paul Delamater, University of North Carolina - Chapel Hill

- 3:55** Antony Chum*, PhD, Brock University, Department of Applied Health Sciences; *The outcomes and treatment trajectories of lesbian, gay, and bisexual Ontarians who have seriously considered suicide in the past 12 months: how does geography influence survival?*
- 4:15** Roger Antabe*, University of Western Ontario; *Uncovering HIV vulnerabilities beyond the usual layers: contemporary masculinities and heterosexuality of the Black Man in London Ontario, Canada*
- 4:35** Suparna Das*, DC Department of Health; Jessica Li, George Washington University; Adam Allston, DC Department of Health; *Planning area specific prevention and intervention programs for HIV*
- 4:55** Lam Tran*, School of Public Health, University of Michigan; Phoebe Tran, Yale School of Public Health; *Urban-Rural Disparities in HIV Testing Practices across the United States, 2012-2016*
- 5:15** Paul Delamater*, University of North Carolina - Chapel Hill; *The spatial and social clustering of vaccine refusal*

Sunday-057-3:55 p.m. Health and Special Populations: Prisons, Veterans, Adolescents, and the Elderly

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Truman, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Emma Knauerhase

- 3:55** Thomas Vogel*, *Pollution and Penitentiaries: Examining Spatial Relationships Between Prisons, LULU Landscapes, and Airborne Toxins*

- 4:15** Verity Anne Greenwood*, BA LLB PhD, Macquarie University; *Veteran Health Resilience Index: An Accessible Evidence Based Articulation of Resilience*

- 4:35** Jiman Park*, Prof., Korea Land and Geospatial Informatics Education Institute; Seungju Mun, Korea Land and Geospatial Informatics Education Institute; *A Study on the Methodology of Extracting the vulnerable districts of the Aged Welfare Using Artificial Intelligence and Geographical Information*

Sunday-058-3:55 p.m. Critical Aquaculture Studies III: Discussion and Future Directions (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Young Rae Choi, Florida International University; Timothy Gorman, Cornell University; Melva Treviño-Peña, University of Rhode Island

CHAIR: Timothy Gorman, Cornell University

- Discussant(s):** Jennifer Silver, Associate Professor, The University of Guelph; Peter Vandergeest, Professor, York University; Bradford Dubik, Duke University Marine Laboratory; Timothy Gorman, Cornell University

Sunday-060-3:55 p.m. Methods for Routing and Trade

Theme: Geography, GIScience and Health: Building an International Geospatial Health Research Network (IGHRN)

Room: Madison A, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Theme Committee

CHAIR: Daniel Fuller

- 3:55** Liangming Yin*, *The Geo-economic Dimension of China's Overseas Economic and Trade Cooperation Zones: Evidence from countries along the "Belt and Road"*
- 4:15** Hongchu Yu*, Wuhan University; Zhixiang Fang, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing (LIESMARS), Wuhan University, Wuhan 430079; *A direction-constrained space-time prism for quantifying possible interactions of multi-ships collision avoidance*
- 4:35** YuShan Lin*, *Distribution Pattern and Evolution Mechanism of Global Advanced Shipping Service Network*

Sunday-061-3:55 p.m. Streams into Rivers of Justice: The role of spirituality in African American Environmental Activism.

Room: Madison B, Marriott, Mezzanine Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Ellen Kohl, St. Mary's College of Maryland; Priscilla McCutcheon, University of Kentucky

CHAIR: Priscilla McCutcheon, University of Kentucky

- Introduction(s):** Kate Derickson, University of Minnesota

SUNDAY April 8 • 3:55 PM - 5:35 PM

Panelist(s): Garrett Graddy-Lovelace, Assistant Professor, American University School of International Service; Emma DeVries, Duke University; Ellen Kohl, St. Mary's College of Maryland; Darciea Houston, Farm Manager, HBCU Paul Quinn College; Rev Dele, Souls & Soils

Panelist(s): Madelaine Cahuas, University of Toronto; Chryl Corbin, University of California - Berkeley; Yui Hashimoto, Postdoctoral Fellow, Dartmouth College; Edgar Sandoval, Student, University of Washington

Discussant(s): Aimee Bahng, Pomona College

Sunday-064-3:55 p.m. Animals and Their Use of Space

(Sponsored by Animal Geography Specialty Group)

Room: Cleveland 2, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Rebecca Loraamm, University of Oklahoma

CHAIR: Rebecca Loraamm, University of Oklahoma

3:55 Christy Briles*, University of Colorado - Denver; *Bee sustainability and stewardship in a semi-arid urban environment: establishment and results of the CU Denver Bee Project (2016-)*

4:15 Amanda Vander Kelen*, Geography, University Of Illinois, Urbana Champaign; *Cat got your tongue? A discourse analysis of feral cat management in Chicago, Illinois*

4:35 Lauren Van Patter*, Queen's University; *Storying the multispecies city: Using spatial data to explore the everyday lives and mobilities of urban coyotes*

4:55 Darren Gross*, Department of Geology and Geography, West Virginia University, Morgantown, WV 26505; Melissa Braham, Department of Geology and Geography, West Virginia University, Morgantown, WV 26505; Molly Astell, US Fish and Wildlife Service, 2493 Portola Rd. Suite B, Ventura, California 93003, USA; Joseph Brandt, US Fish and Wildlife Service, 2493 Portola Rd. Suite B, Ventura, California 93003, USA; Michael Lanzone, Cellular Tracking Technologies, Suite B, 2405 North Center Avenue, Somerset, PA 15501, USA; Andrew McGann, Cellular Tracking Technologies, Suite B, 2405 North Center Avenue, Somerset, PA 15501, USA; Sharon Poessel, US Geological Survey, Snake River Field Station, 970 Lusk St., Boise, ID 83706, USA; Maitreyi Sur, Boise State University, 910 W University Dr, Boise, ID 83725; Todd Katzner, US Geological Survey, Snake River Field Station, 970 Lusk St., Boise, ID 83706, USA; Jonathan Hall, Department of Geology and Geography, West Virginia University, Morgantown, WV 26505; *Accelerating the pace of conservation research: using advanced telemetry technology in California Condor (*Gymnogyps californianus*) research and management*

5:15 Rebecca Loraamm*, University of Oklahoma; *A fine-scale movement approach to Black Skimmer diurnal habitat use patterns*

Sunday-066-3:55 p.m. Author Meets Critics: Aimee Bahng's "Migrant Futures: Decolonizing Speculation in Financial Times" (Sponsored by Cultural and Political Ecology Specialty Group, Socialist and Critical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): David Seitz, Harvey Mudd College

CHAIR: Wesley Attewell, The University of British Columbia

Sunday-067-3:55 p.m. Author Meets Readers: Atmospheric Things: On the Allure of Elemental Envelopment

Room: Harding, Marriott, Mezzanine Level (Panel)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Derek McCormack, University of Oxford; Sasha Engelmann, University of Oxford

CHAIR: Sasha Engelmann, University of Oxford

Discussant(s): Caren Kaplan, Professor, University of California - Davis; Maria Fannin, Senior Lecturer, University of Bristol; Jason Pearl, Florida International University; Peter Adey, Dr, Royal Holloway, University of London; Sasha Engelmann, University of Oxford; Derek McCormack, University of Oxford

Sunday-068-3:55 p.m. Rural Development in Disadvantaged Rural Communities through Agriculture and Tourism: Challenges and Opportunities

Room: Wilson A, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): MENG QU, Hiroshima University; Simona Zollet, Hiroshima University

CHAIR: Simona Zollet, Hiroshima University

3:55 MENG QU*, Hiroshima University; Simona Zollet, Hiroshima University; *Role of creative in-migrants in the revitalization of small island communities in the Seto Inland Sea, Japan*

4:15 Simona Zollet*, Hiroshima University; *Newcomer organic farmers and the 'new rurality': multifunctional rural development pathways in the Italian Alps*

4:35 Su Guandong*, Hiroshima University; *Regional-scale Farmland Abandonment and Its Differences Associated with Agriculture Dimensions in Japan*

4:55 NGUYEN HOANG*, Graduate School of Integrated Arts and Sciences, Hiroshima University; *Tourism and poverty: Perspectives and experiences of local residents in Cu Lao Cham MPA, Vietnam*

5:15 HE YACHEN*, *Art intervention in the depopulated island community of Teshima: conflicts between local culture and art development*

Sunday-069-3:55 p.m. Urban Crime Mapping and Analysis Using GIS IV (Sponsored by Cartography Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper)

Time: 3:55 p.m. - 5:35 p.m.

ORGANIZER(S): Michael Leitner, Louisiana State University

CHAIR: Mikhail Samarin, University of Tennessee

3:55 Yanqing Xu*, Assistant Professor, University of Toledo; Matthew Larson, Wayne State University; Leah Ouellet, State Appellate Defender Office; Charles F. Klahm, Wayne State University; *Exploring the Impact of 9,398 Demolitions on Neighborhood-level Crime in Detroit, Michigan*

SUNDAY, April 8 • 3:55 PM - 5:35 PM

- 4:15** Bingqing Liang*, University of Northern Iowa; Adejob Ogbe, No affiliation; *Spatial Analysis of Foreclosure and Neighborhood Characteristics in Miami Metropolitan Area, Florida*
- 4:35** Mikhail Samarin*, University of Tennessee; *Neighborhood Determinants of Residential Real Estate in Three American Metropolises*
- 4:55** Jun Luo*, Missouri State University; *Explore multi-spatiotemporal patterns of burglary crimes in Chicago: 2000-2017*
- 5:15 Discussant(s):** Michael Leitner, Full Professor, Louisiana State University

Sunday-081-3:55 p.m. Shifting Geopolitics

- Room: Diplomat Room, Omni, West (Paper)
Time: 3:55 p.m. - 5:35 p.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Brian Blouet, College Of William and Mary
- 3:55** Paul Reuber*, Muenster University, Department of Geography; Christoph Creutziger*, University of Münster - Department of Geography; *The New Cold War and the return of (affective) geopolitics*
- 4:15** Zana Vathi*, Edge Hill University; Ruxandra Trandafoiu, Dr, Edge Hill University; *Unleashing the (Geo)political: Post-Brexit positionalities of EU citizens in the UK*
- 4:35** Annika Mattissek*, University of Freiburg; Linda Ruppert*, University of Freiburg; *Current transformations of Germany's international military role?*
- 4:55** Jurgen Von Mahs*, New School University; *1933 Redux? Shifting Political Landscapes in Germany 30 Years After Unification*
- 5:15** Brian Blouet*, College Of William and Mary; *Who Rules East Europe Commands the Heartland: Mackinder and East Europe*

Sunday-086-3:55 p.m. Rethinking Engagements with Nature via Tourism Part II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Media and Communication Geography Specialty Group)

- Room: Senate Room, Omni, West (Paper)
Time: 3:55 p.m. - 5:35 p.m.
ORGANIZER(S): Elizabeth Vidon, SUNY-ESF; Jillian Rickly, University of Nottingham
CHAIR: Elizabeth Vidon, SUNY-ESF
- 3:55** Jason Julian*, Texas State University; *Old Forts and New Amenities in the Southern Plains*
- 4:15** John Kelly*, University of Wisconsin - La Crosse; *Flows and divisions in the Selva Maya, from sacbeob to the Maya Train*
- 4:35** Jennifer Dodsworth*, University of Oxford; *Locating English natures and identities in the #LakeDistrict*
- 4:55** Elizabeth S. Vidon*, SUNY-ESF; Jillian M. Rickly, University of Nottingham; Peter J Varley, Western Norway University of Applied Sciences; Michelle Duffy, University of Newcastle; Caroline Scarles, University of Surrey; *Plugging in for the unplugged: Technologically mediated engagements with nature in tourism*
- 5:15 Discussant(s):** Jane Lovell, Canterbury Christ Church University

Sunday-089-3:55 p.m. Dispose and Dispossess: Waste, Time, and the City (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

- Room: Council Room, Omni, West (Panel)
Time: 3:55 p.m. - 5:35 p.m.
ORGANIZER(S): Key MacFarlane, University of California - Santa Cruz
CHAIR: Key MacFarlane, University of California - Santa Cruz
- Introduction(s):** Key MacFarlane, University of California - Santa Cruz
- Panelist(s):** Lindsey Dillon, Assistant Professor, University of California - Santa Cruz; Carlo Invernardi-Ferri, University of Fribourg; Cynthia Morinville, PhD Student, University of Toronto; Rajyashree Reddy, Assistant Professor, University of Toronto; Richard Walker, Professor Emeritus, University of California-Berkeley

Sunday-090-3:55 p.m. Innovation and Creativity in Qualitative Methodologies II (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)

- Room: Congressional A, Omni, West (Paper)
Time: 3:55 p.m. - 5:35 p.m.
ORGANIZER(S): Chad Steacy, University of Georgia
CHAIR: Chad Steacy, University of Georgia
- 3:55** Julia Hildebrand*, Drexel University; *Auto-Drone-Technography*
- 4:15** Shelley Grant*, Researcher, PPGNHI/UW Seattle; *Mapping Infertility Health Morality and Ethics: Exploring Uses of qGIS for Analysing Changes in the Governance of Assisted Reproductive Technologies*
- 4:35** Tracy De Cotta*, Swinburne University of Technology, Australia; Peter Kamstra, Swinburne University of Technology, Australia; Anthony McCosker, Swinburne University of Technology, Australia; *Mapping everyday humanitarian action through social media*
- 4:55** Haifa AlArasi*, University of Toronto; Ron Buliung, University of Toronto Mississauga; *On the move: Ethnographic accounts of adolescents' non-school (im)mobility*
- 5:15** Jesse Proudfoot*, University of Durham; *Between rapport and the analytic screen: Empathy and otherness in qualitative research*

Sunday-092-3:55 p.m. Human Rights and Water Rights

- Room: Empire Room, Omni, West (Paper)
Time: 3:55 p.m. - 5:35 p.m.
ORGANIZER(S): Program Committee, American Association of Geographers
CHAIR: Jessica Goddard, University of California - Berkeley
- 3:55** Stephen Gasteyer*, Michigan State University; Wenhua Lai, MA, Michigan State University; *Human Rights and Water Inequality in the United States: A Political Ecological Analysis*
- 4:15** Zachary Sugg*, Stanford Law School; *An Equity Autopsy: Exploring the Role of Water Rights in Water Allocations and Impacts for the Central Valley Project during the 2012-2016 California Drought*
- 4:35** Yvonne Adjakloe*, University of Cape Coast; *Customary Water Resources Governance in the Faase community of Ghana*

SUNDAY April 8 • 3:55 PM - 5:35 PM

- 4:55** Sujata Shetty*, Jack Ford Urban Affairs Center,
University of Toledo; Katie Rousseau, American
Rivers; Kimberly Panozzo, University of Toledo;
*Mapping Infrastructure Challenges in an Old
Industrial City: Focus on Water Affordability*
- 5:15** Jessica Goddard*, University of California - Berkeley;
Isha Ray, PhD, University of California - Berkeley;
Carolina L. Balazs, PhD, Office of Environmental
Health Hazard Assessment, Cal EPA; *Water
affordability and human right to water implications
in California*

NOTES

Presenting author(s) are indicated with an asterisk ().*

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PARTICIPANT INDEX

A

- A. Wentz, Elizabeth, Friday-033.5-1:10 p.m.
Aalders, Inge, Saturday-039-8:00 a.m., Saturday-039-9:55 a.m.
Aasa, Anto, Thursday-089-9:55 a.m., Wednesday-068-8:00 a.m.
Aasen, Bailey, Friday-006-3:05 p.m., Thursday-033.5-9:55 a.m.
Abbas, Sophia, Sunday-024-9:55 a.m.
Abbatantuono, Charles, Thursday-043.3-9:55 a.m.
Abbott, Martin, Thursday-056-9:55 a.m.
Abbruzzese, Teresa, Friday-037-1:10 p.m.
Abdelazim, Mariam, Saturday-010-1:10 p.m.
Abdouni, Lynn, Wednesday-092-2:35 p.m.
Abdul Rahman, Syahirah, Sunday-090-8:00 a.m.
Abdul Salam, Adams, Friday-033.5-9:55 a.m.
Abdullah, Kany, Thursday-043.5-1:10 p.m.
Abebe, Tatek, Friday-027-3:05 p.m.
Abee, Michele, Saturday-009-5:00 p.m.
Abend, Pablo, Thursday-100-8:00 a.m.
Aber, Jeremy, Thursday-043.3-1:10 p.m.
Abizaid, Christian, Thursday-103-8:00 a.m., Thursday-103-9:55 a.m., Thursday-103-1:10 p.m., Friday-032-8:00 a.m., Friday-032-9:55 a.m.
Abler, Ronald, Thursday-080-5:00 p.m.
Abowd, John, Thursday-080-9:55 a.m.
Abrahams, Daniel, Sunday-048-3:55 p.m.
Abramova, Anna, Wednesday-033.5-4:30 p.m.
Abramowitz, Jacob, Friday-043.3-1:10 p.m.
Abramson, Daniel, Sunday-040-8:00 a.m., Friday-022-5:00 p.m.
Abreu, Laura, Saturday-043.1-8:00 a.m.
Abreu, Maria, Saturday-092-1:10 p.m.
Abshire, Wendy, Friday-043.1-1:10 p.m.
Abuelgasim, Abdelgadir, Thursday-033.5-3:05 p.m.
Abugel, Robert, Thursday-033.5-5:00 p.m.
Acara, Eda, Wednesday-039-2:35 p.m.
Acedo, Albert, Saturday-023-9:55 a.m., Saturday-093-5:00 p.m.
Acharya, Awanti, Wednesday-089-9:55 a.m.
Acheampong, Michael, Saturday-082-3:05 p.m.
Achu, Frinwei, Saturday-043.7-8:00 a.m.
Acosta, Fortino, Thursday-023-8:00 a.m.
Acton, Blake, Thursday-021-3:05 p.m.
Acton, Leslie, Friday-061-3:05 p.m.
Adam, Matthieu, Sunday-024-3:55 p.m.
Adams, Aaron, Thursday-017-8:00 a.m.
Adams, Amanda, Thursday-043.2-9:55 a.m.
Adams, Ellis, Saturday-028-5:00 p.m., Sunday-037-8:00 a.m.
Adams, Helen, Thursday-088-8:00 a.m., Thursday-088-9:55 a.m.
Adams, Kailey, Friday-043.4-8:00 a.m.
Adams, Matthew, Wednesday-055-4:30 p.m.
Adams, Michael, Wednesday-033.5-2:35 p.m.
Adams, Paul, Thursday-102-1:10 p.m., Thursday-094-5:00 p.m.
Adapon, Arthur Benjamin, Friday-101-1:10 p.m.
Addy, Kelly, Sunday-050-8:00 a.m., Sunday-050-9:55 a.m., Sunday-050-2:00 p.m.
Adelusi-Adeluyi, Ademide, Saturday-004-8:00 a.m.
Adesuyi, Ayodeji, Saturday-048-5:00 p.m.
Adey, Peter, Saturday-024-8:00 a.m., Wednesday-094-4:30 p.m., Sunday-067-3:55 p.m.
Adeyemi, Dare, Thursday-024-9:55 a.m.
ADINOLFI, MBDC, Wednesday-037-9:55 a.m.
Adiv, Naomi, Friday-008-1:10 p.m., Saturday-010-3:05 p.m.
Adjakloe, Yvonne, Sunday-092-3:55 p.m.
ADJEI MENSAH, COLLINS, Saturday-005-3:05 p.m.
Adkison, Austin, Wednesday-083-8:00 a.m.
Adler, Patrick, Wednesday-081-9:55 a.m.
Adomako, Janet, Thursday-073-5:00 p.m.
ADORTSE, PETER, Thursday-043.1-8:00 a.m.
Adovor, Kwame, Friday-043.2-8:00 a.m.
Adu-Prah, Samuel, Saturday-049-5:00 p.m., Thursday-056-8:00 a.m.
Afferni, Raffaella, Friday-064-3:05 p.m.
Agarwal, Neil, Thursday-037-9:55 a.m.
Agha, Dray, Saturday-089-9:55 a.m.
Agin, Sol, Saturday-103-8:00 a.m.
Agrawal, Arun, Saturday-066-9:55 a.m.
Agudelo, Luz, Sunday-063-8:00 a.m.
Aguiar, Marian, Wednesday-094-12:40 p.m.
Agyei-Boakye, Oforiwa Pee, Saturday-058-9:55 a.m.
Ah Goo, Delia, Sunday-027-2:00 p.m.
Ahearn, Sean, Friday-041-3:05 p.m.
Ahlquist, Daniel, Friday-100-8:00 a.m.
Ahlqvist, Ola, Friday-043.3-9:55 a.m.
Ahmad, Farhana, Friday-018-3:05 p.m.
Ahmadkhani, Mohsen, Thursday-043.2-3:05 p.m.
Ahmed, Nabeela, Thursday-087-9:55 a.m., Thursday-034-8:00 a.m., Friday-037-1:10 p.m., Friday-037-9:55 a.m.
Ahmed, Saleh, Saturday-087-3:05 p.m.
Ahmed, Tanzia Tasneem, Friday-043.2-1:10 p.m.
Ahmed, Waquar, Saturday-006-1:10 p.m., Wednesday-088-2:35 p.m., Sunday-066-8:00 a.m., Thursday-038-1:10 p.m.
Ahn, Yoonjung, Saturday-056-8:00 a.m.
Ahsanullah, S M, Saturday-043.3-9:55 a.m.
Ahwireng, Eugene, Wednesday-056-12:40 p.m.
Aiello, Daniela, Sunday-061-2:00 p.m., Sunday-006-9:55 a.m.
Aitken, Rob, Friday-082-9:55 a.m.
Aitken, Stuart, Thursday-080-8:00 a.m., Wednesday-047-4:30 p.m., Friday-082-3:05 p.m.
Aizura, Aren, Saturday-002-8:00 a.m.
Ajibade, Idowu, Thursday-047-3:05 p.m., Sunday-041-2:00 p.m.
Akarsu, Hayal, Wednesday-038-2:35 p.m., Wednesday-039-4:30 p.m.
Akers, Josh, Saturday-006-8:00 a.m., Sunday-006-8:00 a.m.
Akeesson, Bree, Friday-034-1:10 p.m.
Akhter, Majed, Friday-034-8:00 a.m., Friday-084-1:10 p.m.
Akhter, Zohra, Saturday-061-8:00 a.m.
Akinola, Omolola, Thursday-043.1-8:00 a.m.
Akiwumi, Fenda, Saturday-082-3:05 p.m., Thursday-036-5:00 p.m.
Aksha, Sanam, Friday-087-1:10 p.m.
Akte, Rabeya, Friday-049-3:05 p.m.
Akumaga, Uvirkaa, Sunday-072-8:00 a.m.
Alabdouli, Khameis, Friday-043.4-3:05 p.m.
Alakija Sekyi, Naa Adjeley,
Alam, Bhuiyan, Sunday-057-2:00 p.m.
Alam, Md, Friday-099-8:00 a.m.
Alami, Ilias, Friday-097-8:00 a.m., Sunday-066-8:00 a.m., Friday-097-5:00 p.m., Friday-097-9:55 a.m., Friday-097-1:10 p.m., Friday-097-3:05 p.m.
Alapo, Victoria, Friday-019-3:05 p.m., Friday-019-1:10 p.m.
AlArasi, Haifa, Sunday-090-3:55 p.m.
Alarcon, Monica, Saturday-060-9:55 a.m.
Alban, Morgan, Friday-043.2-3:05 p.m., Saturday-043.5-8:00 a.m.
Alberts, Heike, Wednesday-070-9:55 a.m., Friday-086-3:05 p.m.
Albrecht, Tamee, Thursday-023-8:00 a.m., Saturday-082-3:05 p.m.
Albritton, Meghan, Friday-043.1-3:05 p.m.
Al-Bulushi, Yousuf, Friday-031-9:55 a.m.
Alcorn, Caitlin, Saturday-087-9:55 a.m.
Alda Vidal, Cecilia, Thursday-047-1:10 p.m.
Alderman, Derek, Thursday-033-9:55 a.m., Wednesday-038-9:55 a.m., Sunday-081-2:00 p.m., Saturday-002-11:45 a.m., Saturday-002-1:10 p.m.
Aldrich, Stephen, Friday-066-8:00 a.m., Friday-066-3:05 p.m., Friday-032-9:55 a.m.
Aldstadt, Jared, Sunday-069-8:00 a.m., Thursday-097-3:05 p.m.
Alexander, Elizabeth, Friday-103-1:10 p.m.
Alexander, Monique, Friday-093-9:55 a.m.
Alexander, Nancy, Friday-097-5:00 p.m.
Alexander, Toni, Saturday-068-1:10 p.m.
Alexander, Zoe, Saturday-026-3:05 p.m., Saturday-026-5:00 p.m.
Alford-Teaster, Jennifer, Thursday-043.3-3:05 p.m.
Aljenaid, Sabah, Friday-043.1-1:10 p.m.
Alkaabi, Khaula, Thursday-028-3:05 p.m., Wednesday-003-12:40 p.m.
Al-Kuwari, Mohd, Saturday-056-5:00 p.m.
Allaire, Maura, Friday-055-9:55 a.m.
Allen, Aaron, Sunday-038-3:55 p.m.
Allen, Andrew, Saturday-025-3:05 p.m.
Allen, Ashley, Sunday-068-9:55 a.m.
Allen, Douglas, Wednesday-069-8:00 a.m., Thursday-027-1:10 p.m., Friday-070-1:10 p.m., Saturday-068-3:05 p.m., Friday-068-5:00 p.m.,

PARTICIPANT INDEX

- Saturday-012-5:00 p.m.
 Allen, Michael, Sunday-063-8:00 a.m., Thursday-043.1-8:00 a.m.
 Allen, Reuben, Thursday-028-1:10 p.m.
 Allen, Thomas, Wednesday-087-4:30 p.m.
 Allen, Tracy, Friday-043.5-8:00 a.m.
 Allums, Coleman, Saturday-040-1:10 p.m., Saturday-040-3:05 p.m.
 Allwurden, Sean, Thursday-043.3-9:55 a.m.
 Almagro Lemes, Luis Leonardo, Thursday-092-5:00 p.m.
 Almalki, Abrar, Thursday-043.3-9:55 a.m.
 Alonso Serna, Lourdes, Saturday-032-8:00 a.m.
 Alonzo, Michael, Wednesday-073-8:00 a.m.
 Alrehaili, Maram, Thursday-035-8:00 a.m.
 Alruzuq, Ali, Friday-043.4-8:00 a.m.
 Al-Saleh, Danya, Friday-034-8:00 a.m., Saturday-073-3:05 p.m.
 Alsarghali, Sanaa, Thursday-004-9:55 a.m.
 Alsarghali, Sanna, Thursday-004-8:00 a.m., Thursday-004-9:55 a.m.
 Alsharif, Kamal, Saturday-062-8:00 a.m.
 Alvarez, Khristine, Sunday-006-9:55 a.m.
 Alvarez Leon, Luis, Saturday-036-8:00 a.m., Wednesday-012-9:55 a.m., Saturday-088-1:10 p.m., Thursday-080-1:10 p.m.
 Alves Teixeira, Tiago Roberto, Saturday-003-5:00 p.m.
 Alyasiri, Elaf, Sunday-052-3:55 p.m.
 Amanambu, Amobichukwu, Thursday-043.1-8:00 a.m., Friday-043.4-8:00 a.m.
 Amante, Christopher, Thursday-048-9:55 a.m.
 Ambrose, Angela, Friday-087-9:55 a.m.
 Amegbor, Prince Michael, Saturday-055-9:55 a.m., Saturday-055-3:05 p.m., Saturday-055-5:00 p.m.
 Amemiya, Mamoru, Thursday-043.3-9:55 a.m.
 Amir, Merav, Thursday-004-9:55 a.m.
 Amoako-Sakyi, Regina, Thursday-091-9:55 a.m.
 Amram, Ofer, Friday-057-9:55 a.m., Thursday-043.3-3:05 p.m.
 Amri, Myriam, Thursday-099-1:10 p.m.
 Amster, Randall, Wednesday-084-2:35 p.m.
 Amundsen, Robert, Sunday-025-9:55 a.m.
 An, Zhang, Friday-056-5:00 p.m.
 Anacker, Katrin, Friday-063-1:10 p.m., Thursday-031-9:55 a.m.
 Anand, Anupam, Thursday-097-5:00 p.m., Wednesday-049-8:00 a.m., Friday-066-8:00 a.m.
 Ananicheva, Maria, Wednesday-033.5-4:30 p.m.
 Andersen, Bengt, Saturday-043.3-9:55 a.m.
 Andersen, Lauren, Thursday-043.1-8:00 a.m.
 Andersen, Morten, Wednesday-087-12:40 p.m.
 Anderson, Andy, Saturday-003-3:05 p.m., Thursday-083-8:00 a.m., Thursday-043.6-1:10 p.m.
 Anderson, Christian, Friday-053-8:00 a.m., Saturday-004-1:10 p.m., Saturday-004-3:05 p.m., Saturday-004-5:00 p.m., Saturday-098-9:55 a.m.
 Anderson, Colin, Wednesday-035-8:00 a.m., Thursday-101-9:55 a.m., Wednesday-035-2:35 p.m., Wednesday-035-9:55 a.m., Wednesday-035-12:40 p.m.
 Anderson, Donald, Friday-084-3:05 p.m.
 Anderson, Kathryn, Saturday-081-3:05 p.m.
 Anderson, Kelly, Thursday-089-3:05 p.m.
 Anderson, Leah, Friday-043.3-9:55 a.m.
 Anderson, Timothy, Thursday-027-3:05 p.m.
 Anderson, Tyler, Thursday-043.4-9:55 a.m.
 Andersson, Gunnel, Wednesday-091-9:55 a.m.
 Andersson, Johan, Saturday-006-8:00 a.m.
 Anderzen, Janica, Wednesday-035-8:00 a.m.
 Andrade, Denisse, Friday-008-3:05 p.m.
 Andrade, Pavel, Sunday-070-9:55 a.m.
 Andrade, Yesenia, Saturday-088-9:55 a.m.
 Andrews, Eleanor, Friday-031-3:05 p.m., Sunday-037-9:55 a.m.
 Andrews, Jesse, Saturday-043.4-8:00 a.m.
 Andrievskikh, Daria, Thursday-048-9:55 a.m.
 Andris, Clio, Friday-091-3:05 p.m., Friday-091-8:00 a.m., Saturday-093-5:00 p.m., Friday-091-1:10 p.m., Friday-091-9:55 a.m., Saturday-043.3-9:55 a.m.
 Andrucki, Max, Wednesday-003-2:35 p.m., Thursday-041-9:55 a.m., Friday-037-1:10 p.m., Friday-037-9:55 a.m.
 Anfaara, Florence, Friday-033.5-9:55 a.m.
 Angelo, Hillary, Friday-063-3:05 p.m., Saturday-038-8:00 a.m.
 Anguelov, Dimitar, Saturday-088-1:10 p.m., Friday-097-1:10 p.m.
 Anguelovski, Isabelle, Thursday-050-3:05 p.m., Sunday-037-3:55 p.m., Saturday-038-1:10 p.m., Thursday-050-5:00 p.m.
 Angus, Siobhan, Wednesday-086-9:55 a.m.
 Annavarapu, Sneha, Wednesday-094-4:30 p.m.
 Anselin, Luc, Thursday-087-5:00 p.m., Friday-021-9:55 a.m.
 Antabe, Roger, Wednesday-003-12:40 p.m., Sunday-056-3:55 p.m.
 Antadze, Nino, Friday-009-9:55 a.m., Friday-009-8:00 a.m.
 Anthias, Penelope, Friday-065-1:10 p.m.
 Antipova, Angela, Thursday-049-1:10 p.m.
 Anton Clave, Salvador, Thursday-102-3:05 p.m., Thursday-102-5:00 p.m.
 Antreasian, Carmen, Thursday-012-5:00 p.m.
 Anwar, Nausheen, Friday-018-3:05 p.m., Friday-018-5:00 p.m., Friday-018-8:00 a.m.
 Anyanwu, Chijioke, Saturday-056-3:05 p.m.
 Aoyama, Yuko, Saturday-092-8:00 a.m.
 Aparicio, Ana, Sunday-084-8:00 a.m.
 Apiti, Moka, Wednesday-031-2:35 p.m.
 Apparicio, Philippe, Wednesday-055-4:30 p.m.
 Appelbaum, Alexandra, Saturday-093-1:10 p.m.
 Applegarth, Michael, Friday-043.4-8:00 a.m.
 APRONTI, PRISCILLA, Sunday-041-3:55 p.m.
 Aragón-Moreno, Alejandro, Friday-043.1-3:05 p.m.
 Arampatzi, Athina, Saturday-040-3:05 p.m.
 Aranda, Alfonso, Saturday-040-5:00 p.m., Thursday-047-3:05 p.m.
 Arce-Nazario, Javier, Thursday-067-8:00 a.m.
 Archer, John, Saturday-008-1:10 p.m.
 Archer, Matthew, Sunday-020-8:00 a.m.
 Archer, Reginald, Friday-098-5:00 p.m.
 Arcilla, Chester Antonino, Wednesday-031-12:40 p.m.
 Areeprachakun, Puttaporn, Friday-026-1:10 p.m.
 Arefin, Mohammed, Friday-034-9:55 a.m., Friday-034-8:00 a.m., Saturday-095-8:00 a.m.
 ARFAOUI, RAFIK, Sunday-047-3:55 p.m.
 Arganaraz, Melisa, Saturday-039-3:05 p.m., Friday-098-1:10 p.m.
 Argent, Neil, Sunday-064-2:00 p.m.
 ARGILES, Raquel, Friday-005-5:00 p.m., Sunday-088-9:55 a.m.
 Arias Zapata, Angela, Thursday-019-8:00 a.m.
 Arima, Eugenio, Friday-032-8:00 a.m., Friday-032-9:55 a.m.
 ARIZA, EDUARD, Thursday-094-3:05 p.m.
 Armistead, Corrine, Sunday-050-9:55 a.m.
 Armondi, Simonetta, Friday-020-3:05 p.m.
 Arnaut, Karel, Friday-095-8:00 a.m.
 Arndt, Erin, Thursday-043.4-9:55 a.m.
 Arndt, Jacob, Wednesday-008-12:40 p.m., Wednesday-008-2:35 p.m.
 Arnum, Drew, Saturday-040-1:10 p.m.
 Arpagian, Jasmine, Friday-043.2-9:55 a.m.
 Arquero De Alarcon, Maria, Thursday-098-1:10 p.m., Sunday-092-9:55 a.m., Saturday-083-9:55 a.m.
 Arroyo, Alexander, Sunday-064-8:00 a.m., Sunday-092-9:55 a.m.
 Arsel, Murat, Thursday-098-1:10 p.m.
 Artiga-Purcell, James, Friday-083-9:55 a.m.
 Artman, Vincent, Saturday-092-3:05 p.m.
 Aru, Silvia, Friday-082-8:00 a.m.
 Arundel, Samantha, Friday-041-1:10 p.m., Thursday-097-9:55 a.m., Thursday-064-8:00 a.m.
 Arun-Pina, Chan, Wednesday-094-4:30 p.m.
 Asafo-Adjei, Emmanuel, Friday-033.5-9:55 a.m.
 Asare-Akuffo, Filiberto, Saturday-055-3:05 p.m.
 Asare-Bediako, Felix, Sunday-039-8:00 a.m., Thursday-043.3-9:55 a.m.
 Ash, James, Friday-007-5:00 p.m., Wednesday-092-9:55 a.m., Thursday-100-9:55 a.m.
 Ash, Kevin, Friday-043.4-3:05 p.m.
 Ashcraft, Catherine, Wednesday-072-9:55 a.m., Sunday-050-8:00 a.m., Sunday-050-9:55 a.m., Sunday-050-3:55 p.m., Friday-084-9:55 a.m., Sunday-050-2:00 p.m.
 Asheim, Bjorn, Friday-001-8:00 a.m.
 Asher, Kiran, Friday-061-5:00 p.m., Thursday-019-8:00 a.m., Saturday-039-3:05 p.m., Friday-051-1:10 p.m.
 Ashton, Philip, Wednesday-065-4:30 p.m., Saturday-097-1:10 p.m.
 Ashutosh, Ishan, Saturday-098-3:05 p.m., Friday-004-8:00 a.m., Sunday-094-8:00 a.m.,

PARTICIPANT INDEX

Sunday-067-9:55 a.m.
 ASIFUL ALAM, SYED MOHAMMAD, Thursday-062-9:55 a.m.
 Aspinall, Richard, Thursday-080-5:00 p.m., Friday-066-9:55 a.m.,
 Saturday-054-5:00 p.m., Wednesday-054-4:30 p.m.
 Assal, Timothy, Thursday-094-8:00 a.m.
 Association of Geographers, The American, Thursday-043.5-1:10 p.m.,
 Thursday-043.1-3:05 p.m., Friday-043.4-1:10 p.m., Friday-043.1-1:10 p.m.,
 Thursday-043.1-9:55 a.m., Saturday-095-9:55 a.m., Friday-081-5:00 p.m.,
 Thursday-027-9:55 a.m., Thursday-027-8:00 a.m., Sunday-041-3:55 p.m.,
 Thursday-035-8:00 a.m., Thursday-053-1:10 p.m., Friday-053-1:10 p.m.,
 Saturday-055-1:10 p.m., Thursday-053-3:05 p.m., Saturday-053-3:05 p.m.,
 Friday-052-6:50 p.m., Saturday-058-11:45 a.m., Friday-034-11:45 a.m.,
 Friday-088-11:45 a.m., Friday-031-11:45 a.m., Friday-060-11:45 a.m.,
 Thursday-056-6:50 p.m., Thursday-058-6:50 p.m., Friday-053-11:45 a.m.,
 Thursday-041-6:50 p.m., Thursday-061-6:50 p.m., Saturday-037-11:45 a.m.,
 Thursday-034-6:50 p.m., Thursday-049-6:50 p.m., Friday-058-11:45 a.m.,
 Friday-061-11:45 a.m., Friday-010-11:45 a.m., Thursday-031-6:50 p.m.,
 Saturday-088-11:45 a.m., Friday-057-11:45 a.m., Friday-008-11:45 a.m.,
 Thursday-036-6:50 p.m., Saturday-026-11:45 a.m., Thursday-033-6:50 p.m.,
 Friday-047-11:45 a.m., Saturday-049-11:45 a.m., Thursday-060-6:50 p.m.,
 Friday-027-11:45 a.m., Friday-070-11:45 a.m., Thursday-065-6:50 p.m.,
 Friday-049-6:50 p.m., Thursday-068-6:50 p.m., Friday-048-11:45 a.m.,
 Friday-037-11:45 a.m., Friday-026-11:45 a.m., Friday-049-11:45 a.m.,
 Thursday-032-6:50 p.m., Saturday-069-6:50 p.m., Thursday-057-6:50 p.m.,
 Saturday-026-6:50 p.m., Saturday-056-11:45 a.m., Friday-034-6:50 p.m.,
 Friday-032-11:45 a.m., Friday-069-6:50 p.m., Friday-009-11:45 a.m.,
 Friday-023-11:45 a.m., Friday-018-11:45 a.m., Friday-019-11:45 a.m.,
 Friday-056-11:45 a.m., Friday-070-6:50 p.m., Thursday-066-6:50 p.m.,
 Friday-022-11:45 a.m., Friday-068-11:45 a.m., Saturday-039-11:45 a.m.,
 Friday-036-11:45 a.m., Friday-063-11:45 a.m., Thursday-026-6:50 p.m.,
 Friday-065-11:45 a.m., Friday-064-11:45 a.m., Saturday-038-11:45 a.m.,
 Friday-066-11:45 a.m., Friday-007-11:45 a.m., Friday-098-11:45 a.m.,
 Friday-028-11:45 a.m., Friday-062-11:45 a.m., Friday-020-11:45 a.m.,
 Thursday-200-8:00 a.m., Friday-200-8:00 a.m., Friday-201-1:10 p.m.,
 Friday-201-8:00 a.m., Friday-202-11:45 a.m., Friday-203-11:45 a.m.,
 Saturday-200-9:55 a.m., Sunday-200-9:55 a.m., Wednesday-052-2:35 p.m.,
 Friday-200-3:05 p.m., Friday-002-11:45 a.m., Saturday-002-11:45 a.m.,
 Saturday-002-1:10 p.m., Thursday-002-6:50 p.m., Thursday-004-6:50 p.m.,
 Sunday-003-11:45 a.m., Friday-033-11:45 a.m., Thursday-002-11:45 a.m.,
 Wednesday-040-12:40 p.m., Wednesday-040-2:35 p.m., Thursday-040-3:05 p.m.,
 Thursday-040-9:55 a.m., Thursday-040-8:00 a.m., Thursday-051-3:05 p.m.,
 Thursday-040-1:10 p.m., Friday-040-3:05 p.m., Friday-040-1:10 p.m.,
 Friday-040-8:00 a.m., Friday-040-9:55 a.m., Friday-050-3:05 p.m.,
 Saturday-050-1:10 p.m., Saturday-040-9:55 a.m., Saturday-040-8:00 a.m.,
 Friday-051-3:05 p.m., Saturday-051-8:00 a.m., Friday-005-3:05 p.m.,
 Thursday-051-9:55 a.m., Friday-051-8:00 a.m., Saturday-027-11:45 a.m.,
 Thursday-033.5-9:55 a.m., Thursday-033.5-5:00 p.m., Friday-033.5-9:55 a.m.,
 Wednesday-033.5-4:30 p.m., Thursday-033.5-3:05 p.m., Wednesday-033.5-2:35
 p.m., Thursday-043.3-9:55 a.m., Thursday-043.4-9:55 a.m., Saturday-043.2-8:00
 a.m., Friday-043.3-3:05 p.m., Friday-043.4-3:05 p.m., Thursday-043.6-1:10 p.m.,
 Thursday-043.2-1:10 p.m., Thursday-043.1-1:10 p.m., Thursday-043.3-1:10 p.m.,
 Saturday-043.6-8:00 a.m., Friday-043.2-1:10 p.m., Wednesday-001-4:30 p.m.,
 Sunday-023-2:00 p.m., Wednesday-099-12:40 p.m.
 Athanasopoulos, Areti, Saturday-054-3:05 p.m.
 Athay, Jason, Wednesday-092-12:40 p.m.
 Athreya, Brinda, Wednesday-091-4:30 p.m.
 Atia, Mona, Saturday-072-5:00 p.m., Friday-099-9:55 a.m., Saturday-073-3:05 p.m.
 Atkins, Dane, Sunday-024-3:55 p.m.
 Attaway, Christy, Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m.
 Attewell, Nadine, Friday-017-5:00 p.m.
 Attewell, Wesley, Sunday-066-3:55 p.m., Friday-017-5:00 p.m., Friday-088-9:55 a.m.
 Attoh, Kafui, Friday-031-8:00 a.m., Saturday-006-9:55 a.m., Friday-028-5:00 p.m.
 Auch, Roger, Thursday-043.4-9:55 a.m.
 Auclair, Elizabeth, Friday-095-9:55 a.m., Friday-037-8:00 a.m., Thursday-100-5:00 p.m.
 Aucoin, Martin, Saturday-043.3-8:00 a.m.
 Auerbach, Jeremy, Wednesday-068-9:55 a.m., Sunday-069-2:00 p.m.
 Aufseeser, Dena, Thursday-095-1:10 p.m., Saturday-027-1:10 p.m.
 Auger, Rieley, Friday-043.2-8:00 a.m.
 August, Jessica, Thursday-043.1-8:00 a.m.

Augustine, Justin, Thursday-043.6-1:10 p.m.
 Avdan, Ataman, Wednesday-092-2:35 p.m.
 Avelar Portillo, Lourdes Johanna, Saturday-043.3-9:55 a.m.
 Avendaño, Daniel, Thursday-064-3:05 p.m.
 Aversa, Joseph, Thursday-074-1:10 p.m.
 Axelson, Jodi, Saturday-052-1:10 p.m., Saturday-052-3:05 p.m., Saturday-052-5:00 p.m.
 Axiotis, Alexander, Wednesday-056-8:00 a.m.
 Axon, Stephen, Saturday-043.1-8:00 a.m., Thursday-017-9:55 a.m.,
 Sunday-041-9:55 a.m.
 Aydin, Orhun, Friday-041-9:55 a.m.
 Ayivor, Jesse, Friday-021-5:00 p.m.
 Ayon, Abel, Saturday-058-3:05 p.m.
 Ayub, Zulaikha, Sunday-092-9:55 a.m.

B

Baba, Saadatu, Sunday-060-8:00 a.m.
 Babb, Angela, Sunday-019-2:00 p.m., Saturday-060-9:55 a.m., Sunday-058-8:00 a.m.
 Babb, Angela, Sunday-019-2:00 p.m., Saturday-060-9:55 a.m., Sunday-058-8:00 a.m.
 Baber, Ashley, Thursday-020-9:55 a.m.
 BACASTOW, TODD, Thursday-070-3:05 p.m.
 Bacon, Christopher, Friday-043.3-1:10 p.m., Wednesday-035-8:00 a.m.,
 Thursday-047-5:00 p.m., Saturday-066-5:00 p.m., Saturday-043.6-8:00 a.m.
 Bacon, Michael, Friday-032-5:00 p.m.
 Badashvili, Medea, Thursday-089-5:00 p.m.
 Badescu, Gruia, Saturday-064-8:00 a.m., Sunday-093-8:00 a.m., Sunday-093-9:55 a.m.
 Badlowski, Gina, Thursday-043.3-9:55 a.m.
 Badyina, Anna, Friday-067-5:00 p.m.
 Bae, Crystal, Wednesday-032-12:40 p.m.
 Baek, Ahran, Thursday-021-1:10 p.m.
 Bækkelund, Nora, Friday-001-3:05 p.m.
 Baeten, John, Wednesday-074-12:40 p.m., Wednesday-074-2:35 p.m.,
 Saturday-009-8:00 a.m.
 Baez, Carlos, Saturday-093-5:00 p.m., Saturday-034-9:55 a.m.
 Baeza Gonzalez, Sebastian, Thursday-100-8:00 a.m.
 Bagchi-Sen, Sharmistha, Friday-070-3:05 p.m., Wednesday-081-12:40 p.m.
 Baglioni, Elena, Friday-099-1:10 p.m.
 Bahng, Aimee, Sunday-066-3:55 p.m.
 Bai, Jun, Friday-099-8:00 a.m.
 Baikarov, Nikolay, Friday-103-9:55 a.m.
 Bailey, Brandon, Friday-043.4-8:00 a.m.
 Bailey, David, Thursday-081-3:05 p.m., Thursday-081-1:10 p.m., Friday-005-5:00 p.m.
 Bailey, Elizabeth, Thursday-043.1-8:00 a.m.
 Bailey, Marlon, Friday-074-8:00 a.m.
 Bain, Alison, Thursday-031-9:55 a.m., Saturday-027-1:10 p.m.
 Baiocchi, Gianpaolo, Saturday-036-1:10 p.m., Saturday-036-3:05 p.m.,
 Saturday-047-1:10 p.m.
 Bair, Jennifer, Friday-099-5:00 p.m.
 Baird, Ian, Thursday-033-1:10 p.m., Thursday-033-9:55 a.m., Thursday-033-3:05
 p.m., Saturday-094-1:10 p.m., Thursday-033-5:00 p.m.
 Baird, Timothy, Friday-027-8:00 a.m., Friday-027-5:00 p.m.
 Bajracharya, Pankaj, Saturday-043.3-9:55 a.m.
 Baka, Jennifer, Sunday-094-9:55 a.m., Friday-035-8:00 a.m., Thursday-012-1:10
 p.m., Wednesday-009-2:35 p.m.
 Baker, Bradley, Thursday-062-3:05 p.m.
 Baker, James, Wednesday-086-12:40 p.m., Friday-060-9:55 a.m.
 Baker, Kevin, Friday-092-3:05 p.m.
 Baker, Lucy, Thursday-038-1:10 p.m., Thursday-038-9:55 a.m.
 Baker, Rachael, Sunday-006-9:55 a.m., Saturday-090-9:55 a.m.
 Bakker, Jesse, Thursday-035-1:10 p.m.
 Bakker, Karen, Sunday-048-8:00 a.m., Saturday-093-9:55 a.m., Friday-034-9:55
 a.m., Wednesday-092-12:40 p.m., Sunday-048-9:55 a.m.
 Balakrishnan, Sai, Friday-018-8:00 a.m., Friday-018-9:55 a.m.
 Balaz-Munn, Courtney, Saturday-063-5:00 p.m.
 Balázs, Katalin, Saturday-039-8:00 a.m., Saturday-033.5-1:10 p.m.,
 Saturday-039-9:55 a.m.
 Balbim, Renato, Saturday-081-1:10 p.m.
 Balch, Brandyn, Sunday-028-3:55 p.m.

PARTICIPANT INDEX

- Baldwin, Jeff, Saturday-074-1:10 p.m., Friday-063-5:00 p.m.
 Baldwin, Joshua, Saturday-043.3-9:55 a.m.
 Balentine, Matthew, Saturday-008-3:05 p.m.
 Baliga, Anitra, Friday-097-3:05 p.m.
 Ballinger, Thomas, Thursday-043.1-8:00 a.m.
 Balls, Jonathan, Friday-097-9:55 a.m.
 Ballve, Teo, Thursday-049-3:05 p.m., Thursday-049-5:00 p.m., Saturday-016-1:10 p.m.
 Balsas, Carlos, Sunday-052-2:00 p.m.
 Baltzly, Vaughn, Wednesday-068-4:30 p.m.
 Bampton, Matthew, Friday-058-5:00 p.m.
 Bamutaze, Yazidhi,
 Ban, Hyowon, Thursday-098-3:05 p.m., Wednesday-032-8:00 a.m.
 Bandyopadhyay, Samayita, Wednesday-049-8:00 a.m.
 Bandyopadhyay, Sutapa, Thursday-092-3:05 p.m.
 Bandzuh, John, Thursday-056-9:55 a.m.
 Banerji, Sangeeta, Sunday-024-9:55 a.m., Saturday-061-5:00 p.m.
 Banga, Josué, Friday-097-9:55 a.m.
 Bannister, Sarah, Saturday-018-3:05 p.m.
 Banta, Vanessa, Saturday-094-9:55 a.m., Friday-002-8:00 a.m.
 Bao, Rong, Saturday-043.3-8:00 a.m.
 Baran, Ian, Thursday-084-9:55 a.m.
 Baranyi, Gergo, Friday-056-8:00 a.m.
 Barberopoulou, Aggeliki, Thursday-033.5-8:00 a.m.
 Barclay, Amanda, Friday-043.2-8:00 a.m.
 Barcus, Holly, Friday-022-9:55 a.m.
 Barger, Bradley, Friday-052-8:00 a.m.
 Barnd, Natchee, Wednesday-087-9:55 a.m., Friday-102-3:05 p.m.
 Barnes, Christine, Friday-037-5:00 p.m., Friday-037-3:05 p.m.
 Barnes, Jessica, Wednesday-065-2:35 p.m.
 Barnes, William, Thursday-043.2-3:05 p.m.
 Barnett, Allain, Wednesday-084-12:40 p.m., Thursday-012-9:55 a.m.
 Barnett-Ryan, Cynthia, Friday-043.2-8:00 a.m.
 Barnhart, Shaunna, Wednesday-036-8:00 a.m.
 Barns, Sarah, Saturday-036-8:00 a.m., Thursday-034-8:00 a.m., Friday-038-8:00 a.m.
 Barocci, Antonio, Friday-010-5:00 p.m.
 Barr, Julian, Friday-006-1:10 p.m., Friday-091-5:00 p.m., Friday-008-3:05 p.m., Friday-074-9:55 a.m.
 Barra, Monica, Friday-040-5:00 p.m., Thursday-082-3:05 p.m.
 Barraclough, Laura, Saturday-089-5:00 p.m., Friday-102-1:10 p.m., Friday-102-3:05 p.m., Saturday-065-1:10 p.m.
 Barratt, Tom, Friday-099-1:10 p.m.
 Barrera, Geronimo, Saturday-064-3:05 p.m., Saturday-064-1:10 p.m.
 Barrett, Elizabeth, Friday-008-8:00 a.m.
 Barrett, Jaime, Saturday-101-3:05 p.m.
 Barrett, Linda, Friday-043.1-3:05 p.m.
 Barry, Bridget, Saturday-070-9:55 a.m.
 Bartel, Robyn, Thursday-083-3:05 p.m.
 Bartholomew, Margaret, Saturday-081-3:05 p.m.
 Barton, Andrew, Thursday-094-9:55 a.m.
 Bartosiewicz, Bartosz, Wednesday-094-9:55 a.m., Thursday-049-1:10 p.m.
 Barua, Maan, Saturday-023-1:10 p.m., Saturday-023-3:05 p.m., Friday-018-5:00 p.m.
 Basalaev-Binder, Robin, Saturday-038-8:00 a.m.
 Basran, Kirandeep, Sunday-088-2:00 p.m.
 Bassett, Becca, Wednesday-009-4:30 p.m.
 Bassett, Thomas, Friday-055-1:10 p.m.
 Batchelor, Jake, Friday-043.2-3:05 p.m.
 Batchelor, Jonathan, Wednesday-052-12:40 p.m.
 Bateman, Juliette, Thursday-043.3-9:55 a.m.
 Bathelt, Harald, Friday-020-1:10 p.m., Saturday-050-8:00 a.m., Friday-100-9:55 a.m., Friday-100-1:10 p.m., Saturday-050-9:55 a.m.
 Bathla, Nitin, Thursday-020-3:05 p.m., Wednesday-094-8:00 a.m., Saturday-099-3:05 p.m.
 Battistoni, Alyssa, Saturday-023-1:10 p.m.
 Bauch, Nicholas, Saturday-089-8:00 a.m., Saturday-102-9:55 a.m.
 Bauer, Carl, Thursday-038-9:55 a.m., Thursday-065-1:10 p.m.
 Bauer, John, Thursday-043.6-1:10 p.m.
 Baule, William, Thursday-043.1-8:00 a.m.
 Baumer Escobar, Vinzenz, Saturday-004-1:10 p.m.
 Baumgartinger-Seiringer, Simon, Friday-001-8:00 a.m., Saturday-095-3:05 p.m.
 Baur, Patrick, Wednesday-031-4:30 p.m.
 Bausch, Julia, Friday-084-9:55 a.m.
 Bavinck, Maarten, Thursday-019-9:55 a.m.
 Baxley, Joseph, Friday-033.5-3:05 p.m.
 Bayirbag, Mustafa, Saturday-081-8:00 a.m.
 Bayr, Klaus, Thursday-043.4-9:55 a.m.
 Bazile, Sophonie, Thursday-010-8:00 a.m., Thursday-010-9:55 a.m., Saturday-065-1:10 p.m., Thursday-043.4-1:10 p.m., Friday-074-9:55 a.m.
 Beach, Matthew, Saturday-067-1:10 p.m.
 Beach, Timothy, Thursday-066-8:00 a.m., Friday-054-9:55 a.m., Friday-054-3:05 p.m., Friday-054-5:00 p.m., Thursday-066-9:55 a.m., Friday-072-9:55 a.m., Thursday-039-3:05 p.m.
 Beam, Myrl, Wednesday-083-9:55 a.m.
 Bean, Chuck, Saturday-020-3:05 p.m.
 Bean, Kevin, Friday-043.3-9:55 a.m., Thursday-043.2-1:10 p.m.
 Beauloye, Yann, Thursday-018-3:05 p.m.
 Beazley, Robert, Thursday-018-9:55 a.m.
 Bebbington, Anna, Friday-072-8:00 a.m.
 Bebbington, Anthony, Thursday-054-5:00 p.m., Saturday-041-3:05 p.m.
 Becerra, Carlos, Friday-026-3:05 p.m.
 Beck, Andrea, Thursday-047-1:10 p.m.
 Beck, Anna, Thursday-080-1:10 p.m.
 Beck, Brenden, Thursday-022-5:00 p.m.
 Becker, Sarah, Wednesday-090-4:30 p.m., Thursday-043.3-9:55 a.m.
 Becker, Soeren, Saturday-023-9:55 a.m.
 Becker, Zachary, Thursday-043.2-3:05 p.m.
 Beckers, Joris, Saturday-081-9:55 a.m.
 Beckner, Sydney, Thursday-022-9:55 a.m., Saturday-016-3:05 p.m.
 Bedford, Bill, Sunday-020-2:00 p.m.
 Bedi, Heather, Thursday-009-9:55 a.m., Friday-016-9:55 a.m., Thursday-009-1:10 p.m.
 Bednarz, Sarah, Thursday-003-9:55 a.m.
 Bee, Beth, Saturday-069-8:00 a.m.
 Beehler, Aric, Thursday-043.4-9:55 a.m.
 Beene, Daniel, Saturday-101-3:05 p.m.
 Beeton, Jared, Friday-043.1-3:05 p.m., Sunday-038-3:55 p.m.
 Behrsin, Ingrid, Friday-016-9:55 a.m., Friday-001-5:00 p.m.
 Beilman, David, Friday-043.1-3:05 p.m.
 Bein, Frederick, Friday-062-8:00 a.m.
 Bekele, Gashawbeza, Thursday-001-8:00 a.m.
 Bekker, Matthew, Friday-043.1-3:05 p.m.
 Belcher, Oliver, Friday-017-8:00 a.m.
 Bell, Marissa, Thursday-025-8:00 a.m.
 Bell, Martha, Friday-035-8:00 a.m.
 Bellisario, Antonio, Thursday-043.1-8:00 a.m.
 Belmecheri, Soumaya, Saturday-052-1:10 p.m.
 Benach, Nuria, Thursday-100-3:05 p.m.
 Benali, Amira, Thursday-006-9:55 a.m.
 BenBella, Diane, Thursday-043.3-3:05 p.m.
 Bender, Catherine, Saturday-035-8:00 a.m., Saturday-012-1:10 p.m.
 Bendix, Jacob, Saturday-058-1:10 p.m.
 Benedetto, Kathleen, Saturday-033.5-9:55 a.m.
 Benessaiah, Karina, Sunday-041-8:00 a.m., Thursday-049-3:05 p.m., Thursday-049-5:00 p.m., Sunday-041-9:55 a.m., Sunday-041-2:00 p.m.
 Benhart, Carlee, Saturday-064-5:00 p.m.
 Benhart, John, Thursday-028-8:00 a.m.
 Benitez Ramirez, Fatima, Wednesday-089-8:00 a.m.
 Benjamin, Ilil, Sunday-086-9:55 a.m.
 Benner, Jessica, Thursday-083-9:55 a.m.
 Bennett, Abigail, Friday-010-8:00 a.m., Friday-010-3:05 p.m.
 Bennett, Mia, Wednesday-012-2:35 p.m., Friday-005-5:00 p.m.
 Bennett, Michael, Thursday-073-3:05 p.m.
 Bennett, Sean, Saturday-049-3:05 p.m.
 Benni, Augustine, Thursday-057-5:00 p.m.
 Benson, Christopher, Friday-043.2-8:00 a.m.
 Benson, Heather, Friday-026-3:05 p.m.
 Benson, John, Saturday-070-1:10 p.m.
 Benton-Short, Lisa, Friday-080-8:00 a.m., Saturday-037-8:00 a.m., Saturday-037-1:10 p.m., Saturday-037-3:05 p.m.
 Berardi, Gigi, Friday-049-3:05 p.m.

PARTICIPANT INDEX

- Bereitschaft, Bradley, Sunday-025-9:55 a.m.
 Berg, Kevin, Sunday-056-2:00 p.m.
 Berg, Kirsten, Saturday-043.2-8:00 a.m.
 Berger, Anika, Saturday-043.5-8:00 a.m.
 Berger, Gregory, Wednesday-086-4:30 p.m.
 Bergevin, Logan, Friday-043.4-8:00 a.m.
 Bergmann, Christoph, Thursday-065-8:00 a.m.
 Bergmann, Luke, Friday-091-3:05 p.m., Thursday-005-8:00 a.m.,
 Saturday-089-8:00 a.m., Thursday-060-5:00 p.m., Saturday-089-9:55 a.m.,
 Saturday-089-1:10 p.m.
 Bergmann, Nicolas, Saturday-043.3-8:00 a.m., Wednesday-034-2:35 p.m.
 Berki, Márton, Sunday-041-2:00 p.m.
 Berland, Adam, Wednesday-090-8:00 a.m., Friday-050-9:55 a.m.,
 Thursday-043.3-9:55 a.m.
 Berlin, Samuel, Sunday-040-8:00 a.m., Sunday-084-2:00 p.m.
 Berman-Arevalo, Eloisa, Saturday-041-3:05 p.m.
 Berndt, Christian, Sunday-038-2:00 p.m., Friday-052-5:00 p.m.
 Berndtson, Rachel, Friday-009-9:55 a.m., Thursday-069-9:55 a.m.
 Berne, Courtney, Saturday-065-5:00 p.m.
 Bernhardt, Jase, Thursday-072-3:05 p.m., Friday-052-8:00 a.m., Friday-052-9:55 a.m.,
 Friday-052-1:10 p.m.
 Bernstein, Jennifer, Friday-037-5:00 p.m., Sunday-074-8:00 a.m.
 Bernt, Matthias, Sunday-005-9:55 a.m., Sunday-040-2:00 p.m.
 Berrigan, David, Thursday-061-9:55 a.m., Thursday-043.3-3:05 p.m.,
 Friday-005-3:05 p.m.
 Berry, Darbi, Saturday-072-8:00 a.m.
 Berry, Kate, Friday-102-3:05 p.m.
 Berryessa-Erich, Felicia, Saturday-043.3-9:55 a.m.
 Beshir, Agraw Ali, Saturday-043.2-8:00 a.m.
 Best, Asha, Thursday-037-3:05 p.m.
 Bettini, Giovanni, Wednesday-092-9:55 a.m.
 Betz, Megan, Saturday-067-8:00 a.m., Saturday-067-9:55 a.m., Saturday-067-1:10 p.m.
 Beurskens, Kristine, Saturday-008-8:00 a.m.
 Bevacqua, Anthony, Thursday-064-3:05 p.m.
 Beyer, Kirsten, Thursday-043.2-3:05 p.m., Thursday-053-5:00 p.m.,
 Friday-053-9:55 a.m., Saturday-055-1:10 p.m., Friday-009-5:00 p.m.
 Bezborodko, Ekaterina, Saturday-039-8:00 a.m., Friday-023-3:05 p.m.
 Bezdecny, Kris, Friday-056-1:10 p.m., Thursday-020-5:00 p.m.
 Bezner Kerr, Rachel, Thursday-054-9:55 a.m., Wednesday-035-12:40 p.m.
 Bhaduri, Budhendra, Thursday-054-5:00 p.m., Thursday-089-9:55 a.m.,
 Wednesday-054-12:40 p.m., Thursday-035-9:55 a.m.
 Bhagat, Ali, Sunday-090-8:00 a.m.
 Bhagat, Ayushman, Friday-012-1:10 p.m., Saturday-007-3:05 p.m.
 BHAKUNI, KALPANA, Friday-004-9:55 a.m.
 Bhandari, Sanjaya, Friday-043.1-3:05 p.m.
 Bhanjee, Sheliza, Friday-048-5:00 p.m.
 Bhanti, Meyru, Thursday-033.5-3:05 p.m.
 Bhatta, Aman, Thursday-058-5:00 p.m.
 Bhattacharya, Apala, Friday-097-9:55 a.m.
 Bhattacharya, Shamayeta, Saturday-053-9:55 a.m.
 Bhattarai, Keshav, Thursday-018-9:55 a.m., Saturday-007-8:00 a.m.
 Bhowmick, Rupsa, Friday-052-9:55 a.m.
 Bhungalia, Lisa, Wednesday-038-4:30 p.m., Thursday-084-8:00 a.m.,
 Saturday-073-3:05 p.m., Sunday-051-3:55 p.m.
 Bhusal, Narayan, Wednesday-049-12:40 p.m.
 Bhuta, Arvind, Friday-043.1-3:05 p.m.
 Bian, Ling, Friday-043.1-8:00 a.m., Saturday-066-1:10 p.m., Friday-091-1:10 p.m.,
 Saturday-043.7-8:00 a.m., Saturday-066-3:05 p.m., Sunday-056-8:00 a.m.,
 Saturday-057-8:00 a.m.
 Bibaud, Riley, Saturday-058-8:00 a.m.
 Biegas, Tamara, Friday-043.2-3:05 p.m.
 Biehler, Dawn, Saturday-020-1:10 p.m.
 Bierbrauer, Anna, Thursday-020-8:00 a.m.
 Bieri, David, Thursday-023-3:05 p.m.
 Biermann, Christine, Thursday-067-8:00 a.m., Sunday-081-8:00 a.m.,
 Saturday-052-8:00 a.m.
 Biersack, Leah, Friday-043.1-3:05 p.m.
 Biffi Isla, Valeria, Friday-010-8:00 a.m., Friday-010-9:55 a.m.
 Big-Canoe, Katie, Friday-102-8:00 a.m., Friday-068-1:10 p.m., Friday-102-9:55
 a.m., Wednesday-033-2:35 p.m.
 Bigger, Patrick, Saturday-073-5:00 p.m., Friday-012-8:00 a.m., Saturday-032-1:10
 p.m., Friday-097-3:05 p.m.
 Biggs, Mary, Saturday-020-1:10 p.m.
 Bilintoh, Thomas, Wednesday-073-8:00 a.m.
 Bille, Franck, Sunday-066-9:55 a.m.
 Billing, Chloe, Friday-094-5:00 p.m.
 Billo, Emily, Saturday-069-8:00 a.m., Saturday-073-9:55 a.m., Saturday-041-3:05 p.m.
 Bin, Cheng, Saturday-086-9:55 a.m.
 Binder, Julia, Saturday-001-1:10 p.m., Wednesday-053-4:30 p.m.
 Bingham, Julia, Sunday-058-9:55 a.m.
 Binz, Christian, Saturday-095-1:10 p.m., Saturday-095-3:05 p.m.,
 Saturday-095-5:00 p.m.
 Birch, Kean, Saturday-032-9:55 a.m., Saturday-032-1:10 p.m.
 Birch, Traci, Thursday-050-5:00 p.m.
 Birchler, Brian, Thursday-065-8:00 a.m.
 Birinci, Salih, Saturday-016-9:55 a.m.
 Birkenholtz, Trevor, Friday-035-8:00 a.m., Friday-035-9:55 a.m.
 Birthwright, Anne-Teresa, Saturday-094-9:55 a.m.
 Bishop, Michael, Saturday-062-3:05 p.m.
 Bissell, David, Friday-020-3:05 p.m., Wednesday-094-12:40 p.m., Friday-007-1:10 p.m.,
 Wednesday-094-2:35 p.m., Wednesday-094-4:30 p.m., Sunday-081-2:00 p.m.
 Bissonnette, Jean-Francois, Thursday-082-1:10 p.m.
 Bista, Rajesh, Saturday-093-8:00 a.m., Thursday-018-8:00 a.m.
 Bisung, Elijah, Thursday-047-9:55 a.m., Friday-033.5-9:55 a.m.
 Biswas, Ritwika, Thursday-053-8:00 a.m.
 Bitterman, Patrick, Sunday-001-8:00 a.m.
 Bjelland, Mark, Saturday-101-9:55 a.m.
 Bjerke, Jennifer, Saturday-003-3:05 p.m.
 Blachly, Ben, Sunday-050-9:55 a.m.
 Black, Alan, Thursday-043.1-8:00 a.m.
 Black, Christopher, Thursday-063-1:10 p.m.
 Black, Shannon, Wednesday-086-8:00 a.m.
 Blackman, Tyler, Thursday-100-9:55 a.m.
 Blackwood, Andria, Saturday-083-8:00 a.m.
 Blair-Freese, Io, Thursday-053-1:10 p.m.
 Blake, Lauren, Friday-037-3:05 p.m.
 Blanchard, Denise, Thursday-069-1:10 p.m., Thursday-069-9:55 a.m.
 Blanchard, Paulette, Friday-102-8:00 a.m., Friday-068-1:10 p.m.,
 Thursday-031-5:00 p.m.
 Blanco Castano, Marta, Thursday-048-8:00 a.m.
 Blanco-Castano, Alex, Friday-043.3-1:10 p.m.
 BLANCO-ROMERO, ASUNCION, Friday-037-8:00 a.m.
 Blanford, Justine, Saturday-068-1:10 p.m.
 Blankenship, Jeffrey, Friday-060-8:00 a.m.
 Blažek, Jiri, Friday-021-1:10 p.m.
 Blázquez-Salom, Macià, Friday-037-8:00 a.m.
 Bledsoe, Adam, Saturday-026-9:55 a.m., Saturday-026-8:00 a.m., Sunday-019-3:55 p.m.
 Blekking, Jordan, Thursday-060-8:00 a.m., Sunday-091-9:55 a.m.,
 Friday-066-9:55 a.m., Saturday-043.3-9:55 a.m.
 Bley, Kallista, Sunday-053-3:55 p.m., Thursday-026-3:05 p.m.
 Blinnikov, Mikhail, Saturday-019-5:00 p.m., Saturday-019-9:55 a.m.
 Bloch, Stefano, Saturday-038-1:10 p.m., Friday-024-5:00 p.m.
 Block, Daniel, Saturday-074-5:00 p.m., Thursday-101-3:05 p.m.,
 Thursday-101-5:00 p.m., Sunday-004-9:55 a.m., Friday-063-9:55 a.m.
 Block, Fred, Sunday-081-9:55 a.m.
 Bloodworth, Gina, Friday-039-8:00 a.m.
 Bloßfeldt, Stefan, Saturday-088-8:00 a.m.
 Blouet, Brian, Sunday-081-3:55 p.m.
 Blouin, Wil, Friday-043.2-9:55 a.m.
 Blue, Sarah, Thursday-083-5:00 p.m.
 Blum, Virginia, Thursday-012-5:00 p.m.
 Blumberg, Renata, Friday-043.3-9:55 a.m., Friday-073-5:00 p.m.
 Blumler, Mark, Thursday-027-9:55 a.m., Wednesday-058-9:55 a.m.,
 Thursday-027-8:00 a.m.
 Blythe, Jessica, Sunday-041-9:55 a.m.
 Boardman, Austin, Wednesday-054-4:30 p.m.
 Boateng, John, Friday-056-8:00 a.m.
 Bobrow-Strain, Aaron, Thursday-093-1:10 p.m.

PARTICIPANT INDEX

- Bodden, Shawn, Friday-003-3:05 p.m.
 Bodenman, John, Friday-043.3-3:05 p.m.
 Bodenschatz, Hope, Wednesday-032-8:00 a.m.
 Bodwitch, Hekia, Friday-010-8:00 a.m.
 Boeckler, Marc, Sunday-038-2:00 p.m.
 Boehm, Mathew, Thursday-066-8:00 a.m., Thursday-066-9:55 a.m., Thursday-066-1:10 p.m.
 Boehm, Richard, Thursday-041-3:05 p.m., Friday-039-1:10 p.m.
 Boehnert, Jennifer, Friday-048-9:55 a.m.
 Boeing, Geoff, Friday-093-5:00 p.m., Wednesday-003-12:40 p.m.
 Bogdanov, Victor, Friday-103-9:55 a.m.
 Bogen, Nicholas, Thursday-043.1-9:55 a.m.
 Bohannon, Richard, Saturday-033.5-9:55 a.m.
 Bohr, Gregory, Friday-025-9:55 a.m.
 Boiko, Olena, Saturday-043.5-8:00 a.m.
 Bok, Rachel, Saturday-036-3:05 p.m.
 Boland, Garrett, Saturday-043.3-9:55 a.m.
 Boland, Philip, Sunday-047-8:00 a.m.
 Bolin, Jessica, Saturday-055-5:00 p.m.
 Bolt, Grace, Thursday-057-3:05 p.m.
 Bombach, Lori, Thursday-033.5-3:05 p.m.
 Bonada, Anabela, Friday-043.1-3:05 p.m.
 Bondi, Brittany, Thursday-043.1-8:00 a.m.
 Bonds, Anne, Thursday-037-8:00 a.m., Thursday-037-9:55 a.m., Thursday-037-1:10 p.m., Thursday-037-3:05 p.m., Sunday-084-8:00 a.m., Sunday-026-2:00 p.m., Sunday-028-9:55 a.m.
 Bonilla, Yarimar, Friday-036-5:00 p.m.
 Bonney, Mitchell, Wednesday-073-8:00 a.m., Sunday-062-9:55 a.m., Thursday-058-1:10 p.m., Wednesday-073-9:55 a.m.
 Bono, Federica, Saturday-069-8:00 a.m., Thursday-005-8:00 a.m.
 Bonolo Dantas, Flavia, Thursday-047-9:55 a.m.
 Bonsal, Dudley, Saturday-043.1-8:00 a.m.
 Boonjibun, Chaitawat, Friday-039-5:00 p.m.
 Booth, Bryan, Wednesday-089-12:40 p.m.
 Bordoloi, Sudarshana, Friday-056-9:55 a.m., Wednesday-056-4:30 p.m.
 Borgias, Sophia, Thursday-022-9:55 a.m.
 BORIE, Maud, Thursday-094-3:05 p.m.
 Bornschlegel, Teresa, Wednesday-083-12:40 p.m., Wednesday-034-4:30 p.m., Wednesday-009-2:35 p.m.
 Borre, Kristen, Saturday-074-3:05 p.m.
 Bortolot, Zachary, Friday-074-5:00 p.m.
 Boryan, Claire, Thursday-048-1:10 p.m.
 Bos, Daniel, Thursday-090-3:05 p.m., Saturday-103-9:55 a.m.
 Bosah, Philip, Friday-099-8:00 a.m.
 Bosak, Keith, Friday-072-8:00 a.m., Wednesday-049-12:40 p.m.
 Boschetti, Laurie, Friday-058-5:00 p.m.
 Boschmann, Eric, Sunday-016-8:00 a.m., Sunday-016-9:55 a.m.
 Bosco, Fernando, Saturday-037-8:00 a.m., Saturday-038-3:05 p.m.
 Bose, Debangana, Saturday-083-9:55 a.m.
 Bose, Pablo, Wednesday-086-12:40 p.m., Sunday-092-8:00 a.m.
 Bosse, Amber, Wednesday-032-2:35 p.m., Thursday-034-9:55 a.m., Saturday-093-8:00 a.m., Thursday-101-3:05 p.m., Sunday-004-8:00 a.m., Sunday-004-9:55 a.m., Saturday-100-5:00 p.m.
 Bosteels, Amy, Saturday-043.3-9:55 a.m.
 Bostick, Jacob, Friday-006-1:10 p.m.
 Bosworth, Kai, Thursday-067-9:55 a.m., Wednesday-031-12:40 p.m., Wednesday-031-9:55 a.m., Wednesday-031-8:00 a.m., Thursday-033-8:00 a.m., Saturday-008-9:55 a.m.
 Bott, Travis, Wednesday-050-2:35 p.m.
 Bottone, Ethan, Wednesday-038-9:55 a.m., Thursday-027-1:10 p.m., Saturday-070-1:10 p.m.
 Bou Akar, Hiba, Saturday-072-5:00 p.m.
 Boucquey, Noëlle, Wednesday-092-8:00 a.m.
 Bounds, Bonnie, Friday-089-9:55 a.m.
 Bouzid, Yasmine, Sunday-028-2:00 p.m.
 Bova, Joshua, Thursday-070-3:05 p.m.
 Bowden, Sam, Friday-068-9:55 a.m., Thursday-033-5:00 p.m.
 Bowen, John, Thursday-019-1:10 p.m.
 Bowen, Mark, Friday-043.4-8:00 a.m.
 Bowers, Noel, Saturday-043.3-9:55 a.m.
 Bowlick, Forrest, Thursday-011-8:00 a.m., Wednesday-083-2:35 p.m., Saturday-016-8:00 a.m.
 Bowman, Benjamin, Thursday-095-1:10 p.m.
 Bowser, Michael, Thursday-043.4-9:55 a.m.
 Boyce, Geoffrey, Thursday-084-8:00 a.m., Saturday-097-3:05 p.m., Saturday-007-5:00 p.m.
 Boyd, Marcus, Saturday-043.5-8:00 a.m.
 Boyle, Mark, Saturday-006-1:10 p.m., Saturday-084-8:00 a.m., Thursday-086-9:55 a.m.
 Boyter, Meagan, Saturday-043.3-9:55 a.m.
 Brachman, Micah, Thursday-090-1:10 p.m., Friday-043.2-8:00 a.m.
 Braden, Dustin, Friday-043.2-1:10 p.m.
 Bradley, Eliza, Friday-043.2-8:00 a.m.
 Bradshaw, Travis, Friday-043.1-3:05 p.m.
 Brady, Dylan, Sunday-048-3:55 p.m.
 Brady, Jana, Saturday-082-3:05 p.m.
 Brady, Michael, Friday-043.2-8:00 a.m.
 Brady, Sylvia, Friday-047-8:00 a.m.
 Bragg, Lauryn, Wednesday-089-4:30 p.m.
 Brahinsky, Rachel, Saturday-068-5:00 p.m., Thursday-037-9:55 a.m., Thursday-036-3:05 p.m., Sunday-026-2:00 p.m.
 Brain, Kelsey, Wednesday-050-2:35 p.m., Thursday-037-1:10 p.m., Wednesday-050-4:30 p.m., Sunday-023-9:55 a.m.
 Brand, Anna, Thursday-050-3:05 p.m., Thursday-037-9:55 a.m., Thursday-050-5:00 p.m.
 Brandt, Katerina, Saturday-063-8:00 a.m.
 Brandt, Stefan, Friday-062-3:05 p.m.
 Brankamp, Hanno, Wednesday-007-2:35 p.m., Friday-008-9:55 a.m., Wednesday-007-4:30 p.m.
 Brash, Julian, Friday-038-9:55 a.m.
 Bratt, Jonathan, Wednesday-093-2:35 p.m., Wednesday-093-4:30 p.m.
 Braun, Amy, Friday-061-1:10 p.m.
 Bräutigam, Deborah, Thursday-081-5:00 p.m.
 Breau, Sebastien, Thursday-086-8:00 a.m., Thursday-086-9:55 a.m.
 Brecheisen, Zachary, Saturday-048-3:05 p.m.
 Brechin, Gray, Saturday-068-5:00 p.m.
 Bredemeyer, William, Wednesday-089-2:35 p.m.
 Breece, Brooks, Friday-043.2-8:00 a.m.
 Breeze, Victoria, Friday-027-5:00 p.m.
 Brehme, Christopher, Saturday-057-5:00 p.m.
 Breidinger, Erik, Friday-022-5:00 p.m.
 Breitner, Rebekah, Friday-009-8:00 a.m., Friday-088-3:05 p.m., Saturday-020-1:10 p.m.
 Brelsford, Christa, Thursday-097-1:10 p.m., Wednesday-067-12:40 p.m., Wednesday-054-12:40 p.m.
 Bremer, Keith, Friday-043.1-1:10 p.m., Friday-056-8:00 a.m.
 Bremer, Leah, Saturday-101-3:05 p.m.
 Bremer, Ulisses, Thursday-043.4-9:55 a.m.
 Brennan, T. Louise, Friday-097-3:05 p.m.
 Brenner, Jacob, Thursday-017-1:10 p.m., Thursday-017-3:05 p.m.
 Breslow, Harris, Friday-037-1:10 p.m.
 Bressan, Giorgia, Wednesday-086-9:55 a.m.
 Brethauer, Jordan, Friday-043.4-3:05 p.m.
 Brey, James, Thursday-066-8:00 a.m.
 Breyer, Betsy, Wednesday-049-8:00 a.m.
 Breznitz, Shiri, Saturday-050-8:00 a.m., Wednesday-081-12:40 p.m.
 Brice, Rebecca, Friday-043.1-3:05 p.m., Saturday-052-3:05 p.m., Thursday-023-9:55 a.m.
 Brideau, Lauren, Saturday-043.1-8:00 a.m., Wednesday-053-2:35 p.m.
 Bridel, Anna, Thursday-088-3:05 p.m.
 Bridgman, Jacquie, Saturday-056-9:55 a.m., Sunday-080-2:00 p.m.
 Bridi, Robert, Wednesday-039-8:00 a.m.
 Briggs, Ty, Thursday-058-3:05 p.m.
 Briles, Christy, Sunday-064-3:55 p.m., Sunday-037-9:55 a.m.
 BRITO-MILLAN, MARLENE, Wednesday-087-8:00 a.m., Wednesday-033-4:30 p.m., Friday-083-8:00 a.m.
 Brittell, Megen, Wednesday-032-2:35 p.m.
 Britto, Ana, Thursday-047-5:00 p.m.
 Brodie, Gregory, Saturday-026-3:05 p.m., Saturday-026-5:00 p.m.
 Brooks, Emily, Sunday-053-3:55 p.m.
 Brooks, Iolanthe, Friday-093-8:00 a.m.

PARTICIPANT INDEX

Brooks, Jill, Saturday-083-3:05 p.m.
 Brouder, Patrick, Thursday-102-3:05 p.m., Thursday-006-1:10 p.m., Thursday-102-5:00 p.m.
 Brousseau, Marcel, Thursday-007-9:55 a.m.
 Brown, Allison, Wednesday-069-12:40 p.m.
 Brown, Carl, Thursday-017-3:05 p.m.
 Brown, Daniel, Saturday-066-8:00 a.m., Saturday-066-9:55 a.m.
 Brown, Geoff, Friday-022-1:10 p.m.
 Brown, KD, Friday-022-1:10 p.m., Saturday-001-3:05 p.m.
 Brown, Lucas, Friday-043.5-8:00 a.m.
 Brown, Marilyn, Thursday-054-5:00 p.m., Thursday-035-9:55 a.m.
 Brown, Mary, Saturday-063-3:05 p.m.
 Brown, Milan, Saturday-043.3-9:55 a.m.
 Brown, Sarah, Saturday-054-3:05 p.m.
 Brown, Scott, Thursday-033.5-5:00 p.m.
 Brown, Sophie, Saturday-043.1-8:00 a.m.
 Brown, Xavier, Friday-017-9:55 a.m., Thursday-101-1:10 p.m.
 Brownell, Lisa, Thursday-020-8:00 a.m., Wednesday-069-4:30 p.m., Thursday-069-9:55 a.m., Saturday-069-9:55 a.m.
 Brownlow, Alec, Saturday-073-5:00 p.m., Friday-094-8:00 a.m.
 Brownwright, Tenley, Wednesday-056-2:35 p.m.
 Bruce, Chris, Friday-043.4-3:05 p.m.
 Brundidge, Troy, Friday-058-9:55 a.m.
 Brunelle, Andrea, Friday-025-9:55 a.m.
 Brunila, Mikael, Thursday-097-9:55 a.m.
 Brunn, Stanley, Thursday-006-8:00 a.m., Thursday-010-5:00 p.m., Thursday-052-9:55 a.m.
 Bruno, Tianna, Saturday-026-9:55 a.m., Thursday-084-5:00 p.m.
 Brunskill, Jeffrey, Thursday-017-9:55 a.m., Friday-062-5:00 p.m.
 Bruzzone, Mario, Saturday-001-8:00 a.m.
 Bryan, Joseph, Friday-065-1:10 p.m., Wednesday-051-12:40 p.m., Saturday-041-5:00 p.m., Sunday-081-2:00 p.m.
 Bryant, Gareth, Thursday-038-8:00 a.m., Friday-012-9:55 a.m.
 Brym, Michelle, Friday-039-8:00 a.m.
 Brysch, Carmen, Thursday-009-8:00 a.m., Friday-006-3:05 p.m.
 Bryson, Jeremy, Sunday-036-2:00 p.m.
 Bryson, John, Friday-094-5:00 p.m.
 Buchanan, Mary, Saturday-043.6-8:00 a.m.
 Buchholz, Maximilian, Friday-100-9:55 a.m., Friday-100-1:10 p.m.
 Buchner, Johanna, Saturday-048-1:10 p.m.
 Buck, Holly, Saturday-067-3:05 p.m.
 Buck, Ruth, Friday-004-3:05 p.m.
 Buckland-Stubbs, Alexandra, Thursday-089-1:10 p.m.
 Buckley, Brendan, Saturday-052-9:55 a.m.
 Buckley, Geoffrey, Sunday-068-9:55 a.m., Thursday-027-3:05 p.m.
 Buckley, Joe, Friday-099-5:00 p.m.
 Buckley, Michelle, Wednesday-003-2:35 p.m.
 Buckman, Rory, Sunday-089-8:00 a.m.
 Buckman, Stephen, Saturday-092-1:10 p.m.
 Bucknum, Megan, Thursday-028-5:00 p.m.
 Buckowski, Colin, Saturday-043.2-8:00 a.m.
 Budikova, Dagmar, Friday-006-1:10 p.m., Thursday-043.1-8:00 a.m.
 Buechler, Stephanie, Thursday-038-8:00 a.m.
 Buehler, Ralph, Saturday-097-5:00 p.m., Thursday-091-1:10 p.m.
 Buenemann, Michaela, Wednesday-050-12:40 p.m., Wednesday-054-4:30 p.m.
 Buerger, Johannes, Friday-060-5:00 p.m.
 Bui, Matthew, Wednesday-012-8:00 a.m.
 Bukach, Nadia, Friday-043.3-9:55 a.m.
 Bukowski, Emily, Saturday-049-8:00 a.m.
 Bukvic, Anamaria, Thursday-082-5:00 p.m., Thursday-088-1:10 p.m.
 Bulkeley, Harriet, Saturday-038-8:00 a.m., Thursday-081-3:05 p.m., Saturday-038-9:55 a.m., Wednesday-084-4:30 p.m.
 Bullock, Nathan, Saturday-043.3-9:55 a.m.
 Bunch, Rick, Thursday-024-1:10 p.m.
 Bunting, Erin, Friday-067-8:00 a.m., Wednesday-054-4:30 p.m.
 Burakowski, Elizabeth, Wednesday-072-8:00 a.m.
 Buratti, James, Thursday-026-9:55 a.m.
 Burch, Claire, Saturday-043.1-8:00 a.m.
 Burdon, George, Thursday-002-8:00 a.m.

Burger, Martijn, Wednesday-088-12:40 p.m.
 Burgess, James, Thursday-043.3-9:55 a.m.
 Burke, Matthew, Saturday-067-3:05 p.m.
 Burla, Michela, Thursday-043.4-9:55 a.m.
 Burneika, Donatas, Sunday-005-9:55 a.m.
 Burnett, Adam, Saturday-057-1:10 p.m., Thursday-043.1-8:00 a.m.
 Burnette, Dorian, Saturday-052-8:00 a.m., Thursday-062-3:05 p.m.
 Burnham, Jennifer, Friday-043.4-8:00 a.m.
 Burnham, Morey, Sunday-001-8:00 a.m., Saturday-101-3:05 p.m.
 Burns, Jordan, Saturday-033.5-9:55 a.m.
 Burns, Ryan, Saturday-036-8:00 a.m., Saturday-036-9:55 a.m., Friday-023-8:00 a.m., Thursday-051-5:00 p.m., Friday-037-1:10 p.m., Friday-037-9:55 a.m.
 Burns, Simone, Saturday-043.3-9:55 a.m.
 Burow, Daniel, Friday-052-1:10 p.m., Wednesday-072-12:40 p.m.
 Burris, Gregory, Thursday-066-3:05 p.m.
 Burtch, Nathan, Friday-004-5:00 p.m.
 Burtner, Susan, Saturday-081-3:05 p.m.
 Burton, Ian, Friday-002-3:05 p.m.
 Bush, Austin, Thursday-043.2-9:55 a.m.
 Bush, Drew, Saturday-066-3:05 p.m.
 Bushra, Nazla, Friday-052-8:00 a.m.
 Bustos, Beatriz, Wednesday-012-12:40 p.m.
 Butcher, Lincoln, Friday-043.2-9:55 a.m.
 Butcher, Sian, Sunday-024-9:55 a.m.
 Butler, David, Wednesday-082-4:30 p.m.
 Butler, James, Thursday-100-8:00 a.m.
 BUTLER, DEBRA, Thursday-094-3:05 p.m., Thursday-082-5:00 p.m.
 Butler-Rees, Angharad, Saturday-004-9:55 a.m.
 Butman, Mark, Thursday-036-8:00 a.m.
 Butola, Balbir, Friday-018-1:10 p.m., Sunday-066-8:00 a.m.
 Butt, Anya, Wednesday-069-12:40 p.m.
 Bwagalilo, Fadhili, Saturday-033-9:55 a.m.
 Byers, Alton, Friday-043.5-8:00 a.m., Thursday-018-8:00 a.m.

C

Caballero, Lucia, Sunday-094-8:00 a.m., Saturday-007-5:00 p.m.
 Caballero, Mariah, Thursday-043.3-3:05 p.m.
 Cabral, Jacob, Friday-043.2-3:05 p.m.
 Cabral, Sarah, Saturday-049-9:55 a.m.
 Cabrera Pereyra, Jose Antonio, Wednesday-012-2:35 p.m.
 Cachini, Ronnie, Thursday-032-5:00 p.m.
 Cacner, Hannah, Saturday-043.3-9:55 a.m.
 Cado, Mike, Saturday-026-1:10 p.m., Wednesday-093-2:35 p.m.
 Cadwallader, Cassy, Thursday-043.1-8:00 a.m.
 Caffyn, Alison, Thursday-101-8:00 a.m.
 Cagalan, Dominique, Thursday-086-5:00 p.m., Saturday-088-3:05 p.m.
 Cahill, Caitlin, Saturday-088-9:55 a.m., Sunday-038-9:55 a.m.
 Cahill, Meagan, Thursday-065-1:10 p.m.
 Cahuas, Madelaine, Thursday-007-8:00 a.m., Sunday-066-3:55 p.m., Saturday-065-1:10 p.m., Friday-098-1:10 p.m., Sunday-023-9:55 a.m.
 Cahyanto, Ignatius, Thursday-048-8:00 a.m.
 Cai, Heng, Thursday-035-3:05 p.m., Wednesday-001-2:35 p.m., Thursday-088-9:55 a.m., Wednesday-058-8:00 a.m.
 Cai, Hongyan, Friday-062-9:55 a.m.
 Cai, Rong, Thursday-073-3:05 p.m.
 Cai, Yaping, Thursday-035-1:10 p.m.
 Cai, Yifan, Sunday-040-8:00 a.m., Thursday-005-9:55 a.m.
 Caimanque Leverone, Rodrigo, Saturday-100-3:05 p.m.
 Cairns, David, Wednesday-056-8:00 a.m., Wednesday-056-9:55 a.m.
 Cairns, Stephen, Saturday-099-1:10 p.m.
 Caldaro, Jonghee, Thursday-070-8:00 a.m., Friday-095-1:10 p.m.
 Caldwell, Hillary, Sunday-038-9:55 a.m.
 Caldwell, Kela, Thursday-026-3:05 p.m.
 Caldwell, Wayne, Saturday-039-9:55 a.m.
 Calignano, Giuseppe, Wednesday-081-2:35 p.m.
 Call, Erin, Saturday-058-3:05 p.m., Friday-043.2-1:10 p.m.
 Call, Maia, Friday-073-1:10 p.m., Thursday-088-8:00 a.m., Thursday-088-9:55 a.m., Thursday-088-1:10 p.m.

PARTICIPANT INDEX

- Callahan, Christina, Wednesday-072-8:00 a.m.
 Callahan, John, Wednesday-072-9:55 a.m., Thursday-043-4-9:55 a.m.
 Callahan, Thomas, Friday-043.1-3:05 p.m.
 Callais, Nicole, Thursday-056-5:00 p.m.
 Calvert, Kirby, Sunday-094-9:55 a.m.
 Calzada, Igor, Saturday-036-9:55 a.m., Friday-023-1:10 p.m.
 Cambridge, Nia, Thursday-043.1-8:00 a.m.
 Camp, Jordan, Thursday-007-1:10 p.m., Friday-017-3:05 p.m.
 Campanile, Phillip, Sunday-055-3:55 p.m.
 Campbell, Anthony, Saturday-048-1:10 p.m.
 Campbell, Lindsay, Friday-095-3:05 p.m.
 Campbell, Lisa, Friday-061-1:10 p.m., Saturday-041-1:10 p.m., Friday-010-3:05 p.m.
 Campling, Liam, Wednesday-012-12:40 p.m., Friday-099-1:10 p.m., Friday-099-3:05 p.m., Friday-099-5:00 p.m.
 Campos-Flores, Linamar, Friday-035-3:05 p.m.
 Can, Aysegul, Saturday-012-8:00 a.m.
 Canaday, Jeffery, Friday-043.4-8:00 a.m., Saturday-033.5-9:55 a.m.
 Canello, Jacopo, Friday-092-3:05 p.m.
 Canfield, John, Wednesday-051-2:35 p.m., Sunday-064-2:00 p.m.
 Canfield, Katherine, Wednesday-053-2:35 p.m.
 Cannistraci, Alyssa, Wednesday-072-12:40 p.m., Saturday-033.5-9:55 a.m.
 Cannon, Clare, Thursday-084-1:10 p.m.
 Cante, Fabien, Friday-095-1:10 p.m.
 Cantor, Alida, Thursday-022-9:55 a.m., Wednesday-034-2:35 p.m., Wednesday-034-4:30 p.m., Friday-094-9:55 a.m., Friday-024-1:10 p.m., Friday-024-3:05 p.m.
 Cantwell, John, Friday-100-1:10 p.m.
 Canup, William, Saturday-043.2-8:00 a.m.
 Cao, Bingru, Saturday-028-1:10 p.m.
 Cao, Guofeng, Friday-041-5:00 p.m., Friday-033-3:05 p.m., Thursday-060-9:55 a.m., Wednesday-008-2:35 p.m.
 Cao, Kai, Friday-010-5:00 p.m., Friday-057-5:00 p.m.
 Cao, Li Zhe, Friday-062-9:55 a.m.
 Cao, Wenting, Friday-073-8:00 a.m.
 Cao, Yanjia, Thursday-056-3:05 p.m., Thursday-056-5:00 p.m.
 Cao, Zhenzhu, Friday-056-9:55 a.m.
 CAO, CHUN, Friday-043.2-3:05 p.m.
 Caple, Zachary, Friday-054-8:00 a.m.
 Caplins, Laura, Friday-072-8:00 a.m.
 Caquard, Sebastien, Saturday-102-8:00 a.m., Wednesday-031-2:35 p.m., Saturday-102-9:55 a.m.
 Carano, Kenneth, Friday-024-8:00 a.m.
 Carboni, Andrea, Friday-092-9:55 a.m.
 Carcelen, Erica, Thursday-033.5-9:55 a.m.
 Card, Jesse, Thursday-022-5:00 p.m.
 Card, Kenton, Sunday-061-9:55 a.m., Friday-039-5:00 p.m.
 Cardille, Jeffrey, Sunday-062-9:55 a.m.
 Cardoso, Rodrigo, Friday-081-1:10 p.m., Wednesday-094-8:00 a.m.
 Cardozo-Sanchez, Mario, Saturday-082-5:00 p.m.
 Caretta, Martina Angela, Saturday-069-8:00 a.m., Wednesday-087-8:00 a.m., Thursday-061-3:05 p.m.
 Carisio, Alison, Friday-043.2-8:00 a.m.
 Carlin, Charles, Wednesday-082-8:00 a.m.
 Carlino, Elizabeth, Thursday-017-9:55 a.m.
 Carlisle, Liz, Saturday-039-8:00 a.m., Wednesday-035-9:55 a.m.
 Carlson, Kimberly, Friday-073-1:10 p.m., Friday-002-8:00 a.m.
 Carlton, Gregory, Thursday-091-3:05 p.m.
 Carmalt, Jean, Wednesday-087-12:40 p.m., Wednesday-087-2:35 p.m.
 Carmo, Monique, Saturday-083-9:55 a.m.
 Carmody, Padraig, Thursday-081-5:00 p.m., Wednesday-012-4:30 p.m., Wednesday-094-9:55 a.m., Saturday-074-9:55 a.m.
 Carolini, Gabriella, Sunday-089-2:00 p.m., Thursday-023-5:00 p.m.
 Caron, Maximus, Friday-033.5-1:10 p.m.
 Carpenter, Benjamin, Sunday-086-2:00 p.m.
 Carpenter, Juliet, Wednesday-087-9:55 a.m., Thursday-100-5:00 p.m.
 Carpenter, Kathie, Saturday-005-1:10 p.m., Thursday-006-9:55 a.m.
 Carpio, Genevieve, Saturday-089-5:00 p.m., Friday-102-1:10 p.m., Friday-102-3:05 p.m.
 Carr, Chantel, Friday-001-5:00 p.m.
 Carr, Chris, Friday-054-9:55 a.m.
 Carr, Edward, Saturday-093-8:00 a.m., Sunday-041-8:00 a.m.
 Carrel, Margaret, Friday-009-5:00 p.m.
 Carrell, Rachael, Thursday-094-5:00 p.m.
 Carrero, Gabriel, Thursday-103-8:00 a.m., Thursday-103-9:55 a.m., Friday-032-9:55 a.m.
 Carrier, Courtney, Thursday-055-3:05 p.m.
 Carrillo, Elvis, Friday-043.4-3:05 p.m.
 Carrillo, Genny, Thursday-047-8:00 a.m.
 Carswell, Andrew, Friday-063-1:10 p.m.
 Carta, Giuseppe, Friday-003-1:10 p.m.
 Carte, Lindsey, Wednesday-036-9:55 a.m., Friday-066-3:05 p.m.
 Carter, Neil, Sunday-001-9:55 a.m.
 Carter, Perry, Wednesday-067-2:35 p.m.
 Carter-White, Richard, Friday-008-9:55 a.m., Saturday-003-1:10 p.m.
 Caruso, Christine, Thursday-028-9:55 a.m.
 Carvalho, Luis, Saturday-095-5:00 p.m.
 Carver, Evan, Saturday-101-8:00 a.m.
 Cary, Michael, Thursday-083-5:00 p.m.
 Casaglia, Anna, Wednesday-007-4:30 p.m.
 Casal, Fernando, Friday-043.1-3:05 p.m.
 Casamassina, Nicole, Sunday-063-8:00 a.m.
 Casas, Irene, Thursday-039-5:00 p.m., Wednesday-066-2:35 p.m.
 Cascante Campos, Jose, Friday-039-8:00 a.m.
 Casellas, Antònia, Thursday-094-3:05 p.m.
 Casey, Brittany, Thursday-043.4-9:55 a.m.
 Casey, Daniel, Thursday-056-8:00 a.m.
 Cassiday, Daniel, Friday-056-9:55 a.m.
 Cassidento, Jennifer,
 Castagna, Chris, Friday-102-9:55 a.m.
 Castan Broto, Vanesa, Wednesday-084-12:40 p.m.
 Castaneda Camacho, Xochizeltzin, Friday-058-5:00 p.m.
 Castellini, Valentina, Wednesday-041-2:35 p.m.
 Castillo, Cesar, Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m., Saturday-065-9:55 a.m.
 Castillo, Elizabeth, Saturday-003-9:55 a.m.
 Castner, Elizabeth, Saturday-074-3:05 p.m.
 Castree, Noel, Friday-084-1:10 p.m.
 Castriota, Rodrigo, Saturday-099-5:00 p.m.
 Castro, Jessica, Thursday-043.4-9:55 a.m.
 Catungal, John Paul, Wednesday-083-9:55 a.m., Thursday-008-1:10 p.m., Thursday-095-3:05 p.m., Saturday-098-1:10 p.m.
 Caudell, Kathryn, Friday-043.3-3:05 p.m.
 Cavallo, Sara, Friday-031-3:05 p.m., Friday-031-1:10 p.m.
 Cavello, Seth, Friday-007-3:05 p.m.
 Cavus, Ahmet, Saturday-016-9:55 a.m.
 Cebollada, Àngel, Sunday-024-2:00 p.m., Thursday-016-9:55 a.m.
 Cecil, Jacob, Thursday-066-9:55 a.m.
 Cederlof, Gustav, Thursday-012-1:10 p.m.
 Ceh, Brian, Thursday-074-9:55 a.m.
 Celinska-Janowicz, Dorota, Friday-020-1:10 p.m.
 Centner, Ryan, Thursday-050-3:05 p.m., Wednesday-084-9:55 a.m., Thursday-022-5:00 p.m., Wednesday-092-4:30 p.m.
 CERAROLS, ROSA, Saturday-009-9:55 a.m.
 Cerney, Dawna, Friday-043.1-3:05 p.m., Wednesday-049-12:40 p.m., Thursday-036-5:00 p.m.
 Cerrada Morato, Lucia, Thursday-095-9:55 a.m.
 Cervantes De Blois, Chelsea, Friday-033.5-8:00 a.m.
 Cetina Catzín, Adrián, Saturday-005-3:05 p.m.
 Cha, Mijin, Wednesday-082-12:40 p.m., Saturday-054-9:55 a.m.
 Chacko, Elizabeth, Wednesday-047-4:30 p.m., Thursday-089-1:10 p.m.
 Chai, Yanwei, Friday-060-3:05 p.m., Wednesday-091-8:00 a.m., Wednesday-091-2:35 p.m., Friday-060-5:00 p.m., Wednesday-089-12:40 p.m., Thursday-020-9:55 a.m., Friday-056-5:00 p.m., Thursday-053-9:55 a.m., Friday-053-9:55 a.m.
 Chaitman, Jamieson, Thursday-043.4-9:55 a.m.
 Chakalian, Paul, Friday-033.5-1:10 p.m., Sunday-060-8:00 a.m.
 Chakrabarti, Debapriya, Saturday-012-9:55 a.m.
 Chamanara, Sanaz, Sunday-091-9:55 a.m., Sunday-091-8:00 a.m.
 Chamas, Sophie, Sunday-051-8:00 a.m.
 Chamberlain, Jacob, Saturday-007-5:00 p.m.

PARTICIPANT INDEX

- Chan, Eric T H, Thursday-019-1:10 p.m.
 Chan, Nicholas, Saturday-043.6-8:00 a.m.
 Chan, Roger, Friday-028-1:10 p.m., Saturday-028-1:10 p.m.
 Chan, Ta-Chien, Friday-043.1-8:00 a.m.
 Chan, Yuen Tung, Wednesday-081-8:00 a.m.
 CHAN, PUI YAN, Wednesday-052-12:40 p.m.
 Chaney, Kristen, Saturday-048-8:00 a.m.
 Chaney, Philip, Thursday-022-9:55 a.m., Saturday-043.6-8:00 a.m.
 Chang, Chew-Hung, Wednesday-068-2:35 p.m., Thursday-068-9:55 a.m.
 Chang, David, Friday-102-1:10 p.m., Saturday-067-5:00 p.m.
 Chang, Gui Jiang, Friday-091-1:10 p.m.
 Chang, Heejun, Thursday-098-5:00 p.m., Friday-061-9:55 a.m., Thursday-063-9:55 a.m., Thursday-032-9:55 a.m.
 Chang, I-Chun Catherine, Saturday-036-5:00 p.m., Saturday-036-9:55 a.m., Friday-023-8:00 a.m.
 Chapman, Angela, Friday-073-3:05 p.m., Saturday-074-3:05 p.m.
 Chapman, Simone, Sunday-050-8:00 a.m.
 Chappell, Michael Jahi, Wednesday-035-8:00 a.m., Thursday-101-1:10 p.m., Wednesday-035-2:35 p.m., Wednesday-035-9:55 a.m., Wednesday-035-12:40 p.m.
 Chapple, Karen, Saturday-038-1:10 p.m.
 Chari, Sharad, Friday-031-9:55 a.m., Thursday-087-1:10 p.m., Saturday-065-1:10 p.m., Friday-084-1:10 p.m., Thursday-082-3:05 p.m.
 Charron, Austin, Wednesday-037-9:55 a.m.
 Chatterjee, Anindita, Thursday-083-9:55 a.m.
 Chatterjee, Elizabeth, Thursday-009-9:55 a.m.
 Chatterjee, Ipsita, Sunday-066-8:00 a.m., Saturday-092-3:05 p.m.
 Chatterjee, Pratichi, Saturday-038-3:05 p.m.
 Chatti, Deepti, Saturday-009-1:10 p.m., Thursday-012-1:10 p.m., Thursday-012-3:05 p.m.
 Chattopadhyay, Sutapa, Friday-012-1:10 p.m., Friday-012-3:05 p.m.
 Chavarin, Octaviano, Saturday-027-5:00 p.m.
 Chavarria, Natalie,
 Chavez, Lucas, Thursday-043.4-9:55 a.m.
 Che, Deborah, Wednesday-065-12:40 p.m., Friday-094-8:00 a.m.
 Chea, Heewon, Sunday-089-9:55 a.m.
 Cheer, Joseph, Saturday-005-1:10 p.m., Thursday-006-9:55 a.m.
 Chen, Bi Yu, Friday-060-3:05 p.m.
 Chen, Chih Hao, Friday-043.2-1:10 p.m.
 Chen, Dongmei, Thursday-043.1-8:00 a.m.
 Chen, Fangfang, Thursday-006-1:10 p.m.
 Chen, Gang, Friday-036-8:00 a.m., Saturday-069-5:00 p.m., Thursday-062-9:55 a.m., Thursday-043.4-9:55 a.m.
 Chen, Hanzhou, Saturday-043.3-9:55 a.m.
 Chen, Haoyan, Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m.
 Chen, Hsang-Chun, Thursday-043.1-8:00 a.m.
 Chen, Jia-Huei, Friday-043.1-8:00 a.m.
 Chen, Jian, Thursday-035-5:00 p.m., Thursday-043.3-3:05 p.m.
 Chen, Jingfu, Saturday-074-8:00 a.m.
 Chen, Junjie, Friday-061-9:55 a.m.
 Chen, Kanglin, Saturday-025-8:00 a.m.
 Chen, Liang-Chih, Saturday-050-9:55 a.m.
 Chen, Lixia, Saturday-028-9:55 a.m.
 Chen, Meixu, Wednesday-067-12:40 p.m.
 Chen, Peiran, Friday-022-3:05 p.m.
 Chen, Qu, Thursday-043.3-9:55 a.m.
 Chen, Si, Thursday-091-9:55 a.m.
 Chen, Tianyang, Friday-033-8:00 a.m.
 Chen, Wanjing, Saturday-038-5:00 p.m., Thursday-005-9:55 a.m., Thursday-005-1:10 p.m.
 Chen, Wenhsuan, Saturday-024-1:10 p.m.
 Chen, Xiang, Saturday-053-9:55 a.m.
 Chen, Xuwei, Thursday-043.2-3:05 p.m., Sunday-047-2:00 p.m.
 Chen, Yaning, Thursday-043.1-8:00 a.m., Wednesday-058-9:55 a.m.
 Chen, Yanqiang, Wednesday-089-8:00 a.m.
 Chen, Yi-Chia, Wednesday-038-9:55 a.m.
 Chen, Ying, Saturday-058-9:55 a.m.
 Chen, Yujie, Thursday-024-5:00 p.m.
 Chen, ZhiQiang, Friday-087-8:00 a.m., Saturday-084-3:05 p.m., Friday-087-9:55 a.m.
 Chen, Zhu, Thursday-020-1:10 p.m.
 Chen, Zhuo, Thursday-019-1:10 p.m.
 Chen, Zifeng, Wednesday-091-12:40 p.m.
 CHEN, CHIH-YUAN, Friday-043.1-8:00 a.m., Friday-043.2-9:55 a.m., Saturday-043.2-8:00 a.m.
 CHEN, HUANFA, Friday-047-9:55 a.m.
 CHEN, NINGNING, Friday-090-1:10 p.m.
 CHEN, PEIPEI, Friday-090-8:00 a.m.
 Cheng, Dan, Thursday-057-9:55 a.m.
 Cheng, Ho Lam, Sunday-064-9:55 a.m.
 Cheng, Wendy, Saturday-026-8:00 a.m.
 Cheng, Xi, Saturday-057-8:00 a.m.
 Chenot, Natasha, Friday-043.2-3:05 p.m.
 Cherkasky, Mara, Sunday-026-2:00 p.m.
 Cheshire, James, Thursday-090-8:00 a.m., Thursday-039-9:55 a.m., Wednesday-067-4:30 p.m.
 Chester, Jonathon, Friday-043.1-8:00 a.m., Thursday-043.2-9:55 a.m.
 Cheung, Ivan, Sunday-057-2:00 p.m.
 Cheung, Wing, Friday-067-8:00 a.m.
 Chevillard, Guillaume, Friday-057-9:55 a.m.
 Chhatre, Ashwini, Thursday-086-3:05 p.m., Thursday-086-5:00 p.m., Wednesday-058-2:35 p.m.
 Chhetri, Parveen, Friday-043.1-3:05 p.m., Thursday-018-8:00 a.m., Friday-043.4-3:05 p.m.
 Chiblow, Susan, Friday-102-8:00 a.m., Friday-086-9:55 a.m.
 Chien, Ker-Hsuan, Wednesday-012-12:40 p.m.
 Chien, Shih-Shen, Saturday-088-8:00 a.m.
 Chikanda, Abel, Sunday-092-8:00 a.m.
 Childs-Gleason, Lauren, Thursday-043.4-9:55 a.m.
 Chin, Anne, Friday-043.4-8:00 a.m.
 Chipiwalt, Kara, Friday-072-8:00 a.m.
 Chirico, Peter, Saturday-043.5-8:00 a.m., Friday-069-1:10 p.m.
 Chitiyo, Plaxedes, Thursday-043.3-3:05 p.m.
 Chivite, Olaia, Thursday-098-1:10 p.m., Sunday-092-9:55 a.m.
 Chlala, Robert, Sunday-084-8:00 a.m., Friday-093-9:55 a.m.
 Cho, Hyunjin, Saturday-043.3-9:55 a.m.
 Cho, Myung Sik, Saturday-033.5-8:00 a.m.
 Choi, Hane, Wednesday-050-4:30 p.m.
 Choi, Jieun, Saturday-049-3:05 p.m.
 Choi, Jongnam, Thursday-019-9:55 a.m., Saturday-025-9:55 a.m.
 Choi, Myung Ae, Friday-010-8:00 a.m., Friday-010-9:55 a.m., Friday-010-1:10 p.m., Friday-010-3:05 p.m.
 Choi, Sungwoong, Thursday-016-8:00 a.m.
 Choi, Woonup, Friday-033.5-5:00 p.m.
 Choi, Young Rae, Sunday-058-9:55 a.m., Sunday-058-2:00 p.m., Sunday-058-3:55 p.m.
 CHOUDHARY, BIKRAMADITYA, Friday-018-1:10 p.m., Friday-101-3:05 p.m.
 CHOUHAN, SEEMA, Friday-091-8:00 a.m., Saturday-049-1:10 p.m.
 Chow, Edwin, Friday-087-8:00 a.m., Saturday-066-1:10 p.m., Saturday-055-8:00 a.m., Friday-087-9:55 a.m.
 Chow, Winston, Friday-019-9:55 a.m., Thursday-043.1-8:00 a.m., Wednesday-073-4:30 p.m.
 Chreng, Karonech, Thursday-083-5:00 p.m.
 Chrisney, Martin, Friday-097-5:00 p.m.
 Christensen, Caylee, Wednesday-083-4:30 p.m.
 Christenson, Nina, Thursday-017-9:55 a.m.
 Christian, Jay, Saturday-060-8:00 a.m.
 Christian, Jenna, Thursday-080-8:00 a.m., Saturday-016-1:10 p.m., Friday-093-8:00 a.m.
 Christiansen, Petter, Thursday-051-1:10 p.m.
 Christiansen, Thomas, Thursday-094-8:00 a.m.
 Christie, Maria Elisa, Saturday-043.3-8:00 a.m., Friday-027-5:00 p.m.
 Christman, Zachary, Friday-066-5:00 p.m., Thursday-053-9:55 a.m.
 Christoffel, Thomas, Saturday-025-3:05 p.m.
 Chrvla, Alexander, Saturday-043.2-8:00 a.m.
 Chu, Cecilia,
 Chu, Gregory, Saturday-025-9:55 a.m., Thursday-080-5:00 p.m.
 Chu, Ling-I, Saturday-007-3:05 p.m.
 Chu, Samantha, Friday-048-5:00 p.m.
 Chua, Charmaine, Wednesday-038-4:30 p.m., Wednesday-031-12:40 p.m., Wednesday-031-9:55 a.m., Thursday-008-1:10 p.m., Wednesday-031-8:00 a.m., Friday-088-9:55 a.m.

PARTICIPANT INDEX

- Chuang, Wen-Ching, Thursday-048-3:05 p.m.
 Chum, Antony, Sunday-056-3:55 p.m.
 Chun, Yongwan, Thursday-054-1:10 p.m., Thursday-087-3:05 p.m.
 Chung, Elizabeth, Thursday-028-5:00 p.m., Saturday-043.3-9:55 a.m.
 Chung, Youjin, Friday-027-8:00 a.m., Saturday-012-3:05 p.m.
 Ciarletta, Daniel, Friday-043.4-8:00 a.m.
 Cicci, Corinna, Saturday-043.6-8:00 a.m.
 Cidell, Julie, Friday-031-8:00 a.m., Saturday-018-9:55 a.m., Friday-056-1:10 p.m., Thursday-039-5:00 p.m., Wednesday-031-8:00 a.m.
 Cisneros, Julie, Saturday-072-1:10 p.m.
 Cissell, Jordan, Friday-043.2-3:05 p.m.
 Cizauskas, Caleb, Friday-043.1-3:05 p.m.
 Claborn, Kelly, Friday-069-1:10 p.m., Sunday-086-8:00 a.m.
 Clancy, Erin, Friday-035-1:10 p.m., Sunday-036-3:55 p.m.
 Clapp, Joyce, Thursday-043.4-1:10 p.m.
 Clark, Gordon, Thursday-023-3:05 p.m.
 Clark, Jennifer, Sunday-081-9:55 a.m., Friday-005-8:00 a.m., Wednesday-081-8:00 a.m., Wednesday-081-9:55 a.m., Wednesday-081-12:40 p.m., Wednesday-081-2:35 p.m., Wednesday-081-4:30 p.m., Thursday-081-8:00 a.m., Thursday-081-9:55 a.m., Friday-005-1:10 p.m., Thursday-081-1:10 p.m., Friday-005-5:00 p.m., Saturday-099-8:00 a.m., Saturday-099-9:55 a.m.
 Clark, Jessie, Friday-099-9:55 a.m., Friday-035-3:05 p.m.
 Clark, Julie, Sunday-086-9:55 a.m.
 Clark, Matthew, Friday-025-5:00 p.m.
 Clark, William, Wednesday-089-9:55 a.m., Thursday-087-3:05 p.m., Thursday-087-5:00 p.m.
 Clarke, Joyelle, Saturday-084-5:00 p.m., Saturday-084-9:55 a.m.
 Clarke, Keith, Saturday-086-8:00 a.m., Friday-093-5:00 p.m., Friday-043.2-1:10 p.m.
 Clarke, Susan, Friday-067-5:00 p.m.
 Clarke-Sather, Afton, Wednesday-090-4:30 p.m., Friday-032-5:00 p.m.
 Claus, C. Anne, Sunday-054-8:00 a.m.
 Clayton, Amanda, Friday-069-5:00 p.m.
 Cleary, Patrick, Saturday-006-5:00 p.m.
 Clements, Michael, Saturday-056-5:00 p.m.
 Clemmer, Benjamin, Friday-065-8:00 a.m.
 Clevenger, Kimberly, Thursday-043.2-3:05 p.m.
 Clifford, Benjamin, Thursday-073-1:10 p.m.
 Clifford, Katherine, Friday-035-8:00 a.m.
 Clifford, Lina, Friday-043.1-1:10 p.m.
 Cline, John, Friday-043.1-3:05 p.m.
 Closs Stephens, Angharad, Thursday-099-8:00 a.m., Friday-004-8:00 a.m.
 Clougherty, Jane, Friday-056-3:05 p.m., Saturday-043.3-9:55 a.m.
 Clouser, Rebecca, Wednesday-007-4:30 p.m.
 Coakley, Corrine, Saturday-062-9:55 a.m., Thursday-043.4-9:55 a.m.
 Cobo, Lillian, Friday-043.3-1:10 p.m.
 Cochran, Abigail, Friday-060-3:05 p.m.
 Cochran, David, Friday-087-1:10 p.m., Friday-087-3:05 p.m.
 Cochrane, Mark, Thursday-094-9:55 a.m.
 Cockayne, Daniel, Wednesday-041-2:35 p.m., Wednesday-041-4:30 p.m., Thursday-041-9:55 a.m., Saturday-027-9:55 a.m.
 Coddington, Kate, Wednesday-070-8:00 a.m., Saturday-061-8:00 a.m., Wednesday-088-4:30 p.m., Sunday-016-2:00 p.m., Sunday-016-3:55 p.m.
 Coffman, Chloe, Friday-080-9:55 a.m.
 Cofield, Rachael, Wednesday-069-8:00 a.m., Friday-068-8:00 a.m., Friday-068-9:55 a.m.
 Cohen, Alice, Friday-010-9:55 a.m.
 Cohen, Dan, Sunday-038-2:00 p.m., Saturday-027-9:55 a.m., Saturday-027-5:00 p.m., Saturday-027-3:05 p.m., Saturday-027-1:10 p.m., Friday-023-3:05 p.m.
 Cohen, Darryl, Wednesday-069-8:00 a.m., Saturday-068-3:05 p.m., Wednesday-089-4:30 p.m.
 Cohen, Laura, Friday-043.2-3:05 p.m.
 Cohen, Matthew, Saturday-043.3-9:55 a.m.
 Cohen, Nir, Saturday-040-3:05 p.m., Friday-003-8:00 a.m.
 Colby, Jeffrey, Saturday-062-3:05 p.m.
 Cole, Daniel, Friday-043.1-9:55 a.m.
 Cole, Harrison, Friday-074-1:10 p.m., Saturday-089-1:10 p.m.
 Cole, Stroma, Thursday-047-8:00 a.m.
 Coleman, Alicia, Sunday-037-2:00 p.m.
 Coleman, Jill, Thursday-043.1-8:00 a.m.
 Coleman, Mat, Saturday-008-5:00 p.m., Thursday-084-8:00 a.m., Thursday-008-1:10 p.m., Sunday-051-3:55 p.m.
 Coles, Ashley, Friday-043.4-3:05 p.m.
 Coli, Priscila, Saturday-083-9:55 a.m.
 Coll, James, Friday-043.2-8:00 a.m.
 Collard, Juliane, Sunday-016-2:00 p.m., Thursday-060-1:10 p.m., Thursday-093-3:05 p.m.
 Collier, Jenelle, Saturday-043.3-9:55 a.m.
 Collier, William, Friday-027-9:55 a.m.
 Collinge, Chris, Saturday-103-3:05 p.m.
 Collins, Brady, Friday-023-5:00 p.m.
 Collins, Bryan, Friday-073-1:10 p.m.
 Collins, Erin, Friday-020-8:00 a.m., Thursday-037-1:10 p.m.
 Collins, Jennifer,
 Collins, Larianne, Wednesday-051-4:30 p.m., Saturday-037-8:00 a.m., Saturday-037-1:10 p.m., Saturday-037-9:55 a.m.
 Collins, Rebecca, Saturday-043.1-8:00 a.m.
 Collins-Key, Savannah, Saturday-052-5:00 p.m.
 Collyer, Nathan, Friday-043.3-9:55 a.m.
 Colson, Lisa, Saturday-056-1:10 p.m.
 Colten, Craig, Sunday-068-9:55 a.m., Thursday-027-3:05 p.m., Saturday-025-1:10 p.m.
 Colucci, Alex, Wednesday-048-4:30 p.m., Sunday-020-3:55 p.m.
 Colven, Emma, Saturday-036-3:05 p.m., Sunday-036-8:00 a.m.
 Colwell, Rita, Wednesday-002-6:20 p.m.
 Comenetz, Joshua, Friday-065-5:00 p.m., Friday-069-1:10 p.m., Wednesday-089-2:35 p.m., Wednesday-069-9:55 a.m., Friday-069-9:55 a.m.
 Comfort, Ogunleye-Adetona, Thursday-024-8:00 a.m.
 Commerford, Julie, Friday-043.1-3:05 p.m.
 Committee, Program, Thursday-062-8:00 a.m., Saturday-024-1:10 p.m., Thursday-062-9:55 a.m., Saturday-063-3:05 p.m., Saturday-091-5:00 p.m., Friday-062-5:00 p.m., Friday-004-5:00 p.m., Thursday-063-1:10 p.m., Sunday-080-9:55 a.m., Thursday-062-1:10 p.m., Thursday-062-3:05 p.m., Saturday-024-3:05 p.m., Friday-064-8:00 a.m., Thursday-063-3:05 p.m., Sunday-047-8:00 a.m., Thursday-092-8:00 a.m., Thursday-020-5:00 p.m., Friday-062-1:10 p.m., Sunday-092-3:55 p.m., Sunday-047-2:00 p.m., Sunday-064-2:00 p.m., Sunday-051-2:00 p.m., Thursday-016-8:00 a.m., Sunday-055-8:00 a.m., Friday-028-5:00 p.m., Friday-025-8:00 a.m., Friday-025-1:10 p.m., Thursday-020-9:55 a.m., Saturday-063-5:00 p.m., Sunday-054-3:55 p.m., Thursday-024-1:10 p.m., Thursday-024-3:05 p.m., Saturday-028-8:00 a.m., Saturday-028-9:55 a.m., Saturday-028-1:10 p.m., Saturday-028-3:05 p.m., Saturday-092-1:10 p.m., Thursday-024-5:00 p.m., Sunday-047-9:55 a.m., Sunday-036-2:00 p.m., Thursday-001-8:00 a.m., Friday-062-9:55 a.m., Wednesday-074-9:55 a.m., Sunday-020-2:00 p.m., Sunday-062-2:00 p.m., Friday-062-8:00 a.m., Saturday-062-9:55 a.m., Saturday-062-8:00 a.m., Saturday-064-5:00 p.m., Sunday-053-9:55 a.m., Thursday-062-5:00 p.m., Friday-021-5:00 p.m., Thursday-064-8:00 a.m., Saturday-020-8:00 a.m., Saturday-020-9:55 a.m., Saturday-062-3:05 p.m., Saturday-062-5:00 p.m., Sunday-081-3:55 p.m., Friday-048-8:00 a.m., Saturday-062-1:10 p.m., Sunday-092-2:00 p.m., Sunday-054-2:00 p.m., Sunday-053-2:00 p.m.
 Committee, Theme, Saturday-057-5:00 p.m., Wednesday-058-4:30 p.m., Friday-056-8:00 a.m., Sunday-057-9:55 a.m., Friday-057-5:00 p.m., Sunday-060-3:55 p.m., Friday-057-9:55 a.m., Saturday-056-8:00 a.m., Friday-057-8:00 a.m., Saturday-083-3:05 p.m., Thursday-057-9:55 a.m., Saturday-082-1:10 p.m., Friday-082-9:55 a.m., Friday-082-1:10 p.m., Thursday-056-9:55 a.m., Friday-083-3:05 p.m., Thursday-056-8:00 a.m., Friday-083-9:55 a.m., Sunday-057-2:00 p.m., Sunday-086-9:55 a.m., Thursday-056-5:00 p.m., Thursday-057-8:00 a.m., Wednesday-056-4:30 p.m., Saturday-056-5:00 p.m., Thursday-057-3:05 p.m., Sunday-060-2:00 p.m., Saturday-057-3:05 p.m., Saturday-056-3:05 p.m., Sunday-056-8:00 a.m., Sunday-056-9:55 a.m., Sunday-056-2:00 p.m., Sunday-056-3:55 p.m., Wednesday-058-2:35 p.m., Sunday-057-3:55 p.m., Saturday-057-8:00 a.m., Wednesday-056-12:40 p.m., Wednesday-056-2:35 p.m., Friday-056-3:05 p.m., Friday-056-5:00 p.m., Sunday-057-8:00 a.m., Thursday-053-9:55 a.m., Friday-053-9:55 a.m., Saturday-053-9:55 a.m., Friday-083-1:10 p.m., Friday-083-8:00 a.m., Saturday-082-8:00 a.m., Saturday-083-1:10 p.m., Friday-082-5:00 p.m., Sunday-089-8:00 a.m., Sunday-086-8:00 a.m., Friday-082-8:00 a.m., Saturday-087-5:00 p.m., Thursday-083-9:55 a.m., Sunday-089-9:55 a.m., Friday-082-3:05 p.m., Saturday-083-8:00 a.m., Saturday-083-9:55 a.m., Thursday-083-3:05 p.m., Saturday-082-5:00 p.m.,

PARTICIPANT INDEX

- Saturday-082-9:55 a.m., Saturday-087-3:05 p.m., Thursday-083-5:00 p.m., Thursday-083-1:10 p.m., Saturday-087-1:10 p.m., Saturday-058-1:10 p.m., Wednesday-058-9:55 a.m., Thursday-057-5:00 p.m., Saturday-058-5:00 p.m., Wednesday-049-4:30 p.m., Friday-049-9:55 a.m., Friday-049-5:00 p.m., Saturday-049-9:55 a.m., Saturday-049-3:05 p.m., Wednesday-049-2:35 p.m., Saturday-058-8:00 a.m., Saturday-049-1:10 p.m., Friday-058-1:10 p.m., Wednesday-058-8:00 a.m., Saturday-049-8:00 a.m., Friday-065-9:55 a.m., Friday-049-3:05 p.m., Friday-049-1:10 p.m., Friday-058-9:55 a.m., Friday-058-8:00 a.m., Friday-065-8:00 a.m., Saturday-058-9:55 a.m., Saturday-058-3:05 p.m.
- Compitello, Malcolm, Wednesday-087-9:55 a.m.
- Conklin, Cassie, Friday-083-3:05 p.m.
- Conley, Jamison, Thursday-043.1-3:05 p.m., Friday-057-5:00 p.m.
- Conlon, Deirdre, Saturday-061-1:10 p.m., Saturday-097-3:05 p.m.
- Connault, Alice, Friday-048-1:10 p.m.
- Conner, Glen, Sunday-020-2:00 p.m.
- Connolly, James, Thursday-050-3:05 p.m., Saturday-038-1:10 p.m.
- Connolly, Matthew, Friday-043.1-1:10 p.m., Friday-043.4-8:00 a.m.
- Connor, Andrea, Friday-021-3:05 p.m.
- Connor, Dylan, Friday-100-9:55 a.m., Wednesday-089-9:55 a.m., Thursday-089-3:05 p.m., Thursday-089-9:55 a.m., Wednesday-089-2:35 p.m., Thursday-089-8:00 a.m., Wednesday-089-4:30 p.m., Wednesday-089-12:40 p.m., Thursday-089-1:10 p.m., Wednesday-089-8:00 a.m., Friday-089-8:00 a.m., Friday-089-1:10 p.m., Friday-089-9:55 a.m., Thursday-089-5:00 p.m., Friday-089-3:05 p.m.
- Connor, Georgeta, Friday-062-9:55 a.m.
- Conradson, David, Wednesday-092-8:00 a.m.
- Constantinou, Stavros, Wednesday-070-9:55 a.m., Thursday-028-1:10 p.m.
- Contin, Antonella, Wednesday-094-9:55 a.m.
- Contorno, Lauren, Thursday-043.2-1:10 p.m.
- Contosta, Alexandra, Wednesday-072-8:00 a.m.
- Contreras, Miguel, Friday-028-5:00 p.m.
- Contreras, Yasna, Saturday-082-1:10 p.m.
- Conver, Andrea, Thursday-064-9:55 a.m.
- Conway, Matthew, Sunday-019-9:55 a.m., Saturday-083-8:00 a.m.
- Conway, Moira, Friday-057-5:00 p.m.
- Conway, Tenley, Wednesday-090-8:00 a.m., Wednesday-090-9:55 a.m., Wednesday-090-12:40 p.m., Wednesday-090-2:35 p.m., Wednesday-090-4:30 p.m.
- Conz, Brian, Friday-043.3-3:05 p.m.
- Cook, Brittany, Thursday-070-8:00 a.m., Saturday-094-8:00 a.m., Friday-099-9:55 a.m.
- Cook, Duncan, Thursday-066-9:55 a.m.
- Cook, Emma, Friday-043.2-3:05 p.m.
- Cook, Kaitlyn, Thursday-043.2-1:10 p.m.
- Cook, Maggie-Jean Cook, Saturday-043.3-9:55 a.m.
- Cook, Matthew, Friday-034-3:05 p.m., Thursday-038-3:05 p.m., Friday-034-1:10 p.m., Thursday-008-8:00 a.m., Thursday-008-9:55 a.m., Saturday-025-3:05 p.m., Friday-034-5:00 p.m., Wednesday-053-4:30 p.m.
- Cook, Tessa, Friday-089-9:55 a.m.
- Cooke, Abigail, Friday-065-5:00 p.m., Friday-100-9:55 a.m., Thursday-086-9:55 a.m., Saturday-088-1:10 p.m.
- Cookson, Tara, Saturday-004-3:05 p.m.
- Cooley, Amanda, Thursday-043.1-9:55 a.m.
- Coomes, Oliver, Thursday-103-1:10 p.m., Friday-032-9:55 a.m.
- Coonen, Kayla, Friday-043.4-8:00 a.m.
- Cooper, Christopher, Thursday-043.4-9:55 a.m.
- Cooper, Clair, Saturday-038-8:00 a.m.
- Cooper, Courtney, Friday-072-9:55 a.m.
- Cooper, Danika, Saturday-091-5:00 p.m.
- Cooper, Jacob, Saturday-043.7-8:00 a.m.
- Cooper, Mark, Wednesday-039-2:35 p.m.
- Cooper, Matthew, Saturday-057-9:55 a.m., Friday-101-5:00 p.m.
- Cope, Meghan, Thursday-100-1:10 p.m., Thursday-041-8:00 a.m., Saturday-010-5:00 p.m.
- Copeland, Kristy, Friday-082-1:10 p.m.
- Corbin, Chryl, Sunday-051-9:55 a.m., Sunday-066-3:55 p.m.
- Cordes, Vojislava, Friday-003-3:05 p.m.
- Cornelissen, Sharon, Sunday-037-2:00 p.m.
- Corradini, Carlo, Thursday-081-1:10 p.m.
- Correia, Joel, Wednesday-087-12:40 p.m., Friday-065-1:10 p.m., Wednesday-087-2:35 p.m., Thursday-084-1:10 p.m.
- Correll, Rachel, Thursday-088-9:55 a.m.
- Corrigan, Anne, Thursday-043.2-3:05 p.m.
- Corson, Catherine, Wednesday-087-12:40 p.m.
- Cortes, Renan, Thursday-087-3:05 p.m.
- Corwin, Charles, Saturday-093-1:10 p.m., Saturday-093-3:05 p.m.
- Corwin, Julia, Sunday-048-8:00 a.m., Friday-053-8:00 a.m.
- Cosgrove, Christopher, Saturday-073-8:00 a.m.
- Costa, Nuno, Saturday-055-3:05 p.m., Thursday-091-1:10 p.m.
- Costa Lima, Mariana, Friday-065-5:00 p.m.
- Costedoat, Sébastien, Saturday-035-1:10 p.m.
- Cottingham, Prasanthi, Friday-093-9:55 a.m.
- Couch, N.C. Christopher, Wednesday-086-4:30 p.m.
- Couling, Nancy, Saturday-099-5:00 p.m.
- Coulthard, Bethany, Saturday-052-1:10 p.m., Saturday-052-9:55 a.m.
- Counter, Max, Wednesday-036-12:40 p.m.
- Coupland, Kearney, Friday-034-1:10 p.m.
- Courtheyn, Christopher, Thursday-019-8:00 a.m., Thursday-005-1:10 p.m., Friday-088-8:00 a.m.
- Cousins, Joshua, Saturday-038-9:55 a.m., Saturday-016-3:05 p.m.
- Coutu, Gary, Thursday-072-1:10 p.m.
- Cowan, Christopher, Friday-022-8:00 a.m.
- Cowan, Tom, Sunday-024-9:55 a.m., Saturday-061-5:00 p.m.
- Cowen, David, Thursday-011-8:00 a.m.
- Cowen, Deborah, Friday-038-3:05 p.m.
- Cox, Kevin, Saturday-087-9:55 a.m.
- Cox, Savannah, Wednesday-084-2:35 p.m.
- Craig, Jonathan, Thursday-043.2-1:10 p.m.
- Craig, Thomas, Thursday-016-3:05 p.m., Thursday-027-1:10 p.m.
- Crain, Jared, Friday-043.1-3:05 p.m.
- Crampton, Jeremy, Wednesday-012-9:55 a.m.
- Crandall, Jillian, Thursday-034-8:00 a.m.
- Crane, Emma, Saturday-072-5:00 p.m., Friday-017-3:05 p.m., Friday-017-5:00 p.m.
- Crane, Nicholas, Thursday-022-1:10 p.m., Wednesday-057-2:35 p.m.
- Crank, Peter, Thursday-034-5:00 p.m.
- Crawford, Laura, Saturday-018-1:10 p.m., Saturday-004-9:55 a.m., Thursday-100-1:10 p.m., Thursday-100-3:05 p.m.
- Crawford, Thomas, Thursday-088-8:00 a.m., Sunday-090-2:00 p.m., Thursday-065-9:55 a.m.
- Credit, Kevin, Sunday-053-8:00 a.m., Friday-021-9:55 a.m.
- Cree, Alice, Thursday-026-1:10 p.m.
- Crescenzi, Riccardo, Friday-100-1:10 p.m., Thursday-081-9:55 a.m.
- Creutziger, Christoph, Sunday-081-3:55 p.m.
- Crews, Kelley, Saturday-070-1:10 p.m., Friday-066-1:10 p.m., Friday-066-5:00 p.m., Friday-025-5:00 p.m., Thursday-080-5:00 p.m., Sunday-088-2:00 p.m., Thursday-032-8:00 a.m.
- Cromley, Gordon, Thursday-043.3-9:55 a.m.
- Cronin-Golomb, Olivia, Thursday-043.4-9:55 a.m.
- Croog, Rebecca, Saturday-016-1:10 p.m., Thursday-008-8:00 a.m.
- Crook, Stephen, Saturday-043.1-8:00 a.m.
- Crooks, Andrew, Saturday-020-5:00 p.m., Thursday-090-8:00 a.m., Sunday-001-9:55 a.m., Friday-091-9:55 a.m.
- Cross, Clifton, Friday-043.3-3:05 p.m.
- Cross, John, Wednesday-036-8:00 a.m., Friday-086-3:05 p.m.
- Crotty, Sean, Thursday-074-1:10 p.m.
- Crowell, John, Thursday-043.1-1:10 p.m.
- Crowley, Thomas, Saturday-026-3:05 p.m., Saturday-026-5:00 p.m.
- Croyle, Robert, Thursday-053-1:10 p.m.
- CRUZ SANTIAGO, ARELY, Thursday-034-9:55 a.m.
- Csáfordi, Zsolt, Thursday-081-8:00 a.m.
- Csank, Adam, Saturday-052-1:10 p.m., Thursday-043.1-8:00 a.m., Saturday-052-9:55 a.m., Friday-008-5:00 p.m.
- Cseke, Laszlo, Saturday-074-1:10 p.m.
- Cuba, Nicholas, Thursday-043.1-8:00 a.m.
- Cuban, Sondra, Thursday-016-1:10 p.m.
- Cuevas-Contreras, Tomás, Saturday-005-8:00 a.m.
- Cui, Qingming, Sunday-027-9:55 a.m.
- Cui, Wencong, Friday-043.2-9:55 a.m.
- Culbert, Jennifer, Friday-017-8:00 a.m.

PARTICIPANT INDEX

Culcasi, Karen, Wednesday-070-8:00 a.m., Saturday-061-8:00 a.m., Friday-099-9:55 a.m., Saturday-092-5:00 p.m.
 Cullen, Declan, Friday-086-1:10 p.m., Thursday-100-3:05 p.m.
 Cummings, Anthony, Thursday-067-1:10 p.m., Thursday-067-3:05 p.m., Friday-067-9:55 a.m., Friday-067-8:00 a.m., Thursday-067-5:00 p.m., Friday-067-1:10 p.m.
 Cunningham, D. S., Saturday-070-8:00 a.m.
 Cunningham, Mary Ann, Friday-043.2-3:05 p.m.
 Cuomo, Dana, Thursday-069-8:00 a.m., Wednesday-039-4:30 p.m., Wednesday-009-12:40 p.m., Friday-093-8:00 a.m., Friday-093-9:55 a.m., Thursday-080-3:05 p.m.
 Cupples, Julie, Friday-084-3:05 p.m., Sunday-090-9:55 a.m.
 Curley, Andrew, Wednesday-088-9:55 a.m., Thursday-067-9:55 a.m.
 Curran, Winifred, Friday-006-1:10 p.m., Thursday-036-3:05 p.m.
 CURRANS, ELIZABETH, Wednesday-003-4:30 p.m.
 Currit, Nate, Thursday-049-5:00 p.m.
 Curtin, Kevin, Wednesday-032-12:40 p.m., Saturday-034-8:00 a.m., Wednesday-039-9:55 a.m.
 Curtis, Georgia, Thursday-043.1-1:10 p.m.
 Curtis, Mary, Thursday-068-8:00 a.m., Friday-039-8:00 a.m.
 Cusack, Christopher, Thursday-028-8:00 a.m.
 Cutter, Susan, Friday-002-3:05 p.m., Thursday-004-1:10 p.m., Friday-081-5:00 p.m., Thursday-090-5:00 p.m.
 Cytryn, M. Joy, Saturday-058-1:10 p.m.
 Czapiewski, Konrad, Thursday-001-8:00 a.m.

D

da Rosa, Cristiano, Thursday-043.4-9:55 a.m.
 Dabrowski, Leszek, Sunday-051-2:00 p.m.
 DADSON, ISHMAEL, Saturday-058-8:00 a.m.
 Dahal, Khila, Thursday-043.3-9:55 a.m.
 Dahlman, Carl, Saturday-084-1:10 p.m.
 Dai, Dajun, Friday-091-8:00 a.m.
 Dai, Jie, Wednesday-037-12:40 p.m.
 Dai, Juncheng, Wednesday-034-12:40 p.m.
 Daigle, Michelle, Wednesday-088-9:55 a.m., Thursday-067-9:55 a.m., Friday-086-8:00 a.m., Thursday-052-5:00 p.m.
 Daigneault, Jacqueline, Saturday-004-3:05 p.m.
 Dakin, Courtney, Friday-102-8:00 a.m.
 Dale, Bryan, Thursday-101-8:00 a.m., Thursday-101-9:55 a.m.
 Dale, Jedidiah, Friday-054-9:55 a.m.
 Daley, Patricia, Friday-008-9:55 a.m., Thursday-057-1:10 p.m.
 Dallman, Suzanne, Friday-043.1-1:10 p.m.
 Dalpiaz Bishop, Deirdre, Thursday-092-5:00 p.m., Thursday-080-9:55 a.m.
 Daly, Meaghan, Thursday-088-3:05 p.m., Thursday-088-5:00 p.m.
 Dalyan, Can, Saturday-023-3:05 p.m.
 Damery, Shannon, Sunday-047-3:55 p.m.
 Dan, Li, Thursday-025-3:05 p.m.
 Dando, Christina, Saturday-009-3:05 p.m., Saturday-009-5:00 p.m.
 Dando, William, Friday-019-3:05 p.m., Friday-019-1:10 p.m.
 Dang, Yi, Wednesday-033.5-2:35 p.m.
 Dangermond, Jack, Friday-081-5:00 p.m.
 Daniel, Francois-Joseph, Friday-094-3:05 p.m.
 Daniels, J. Michael, Friday-043.4-8:00 a.m.
 Daniels, Joseph, Saturday-097-9:55 a.m.
 Daniels, Melinda, Wednesday-058-12:40 p.m., Saturday-065-9:55 a.m.
 Daniels, Richard, Saturday-033.5-9:55 a.m.
 Danielson, Patrick, Saturday-048-1:10 p.m.
 Danielson, Stentor, Friday-091-5:00 p.m., Saturday-016-3:05 p.m.
 Danley, Therese, Wednesday-081-4:30 p.m.
 Dannenberg, Matthew, Sunday-062-8:00 a.m., Sunday-062-9:55 a.m.
 Dannenberg, Peter, Friday-100-9:55 a.m., Wednesday-081-8:00 a.m.
 Danyluk, Martin, Wednesday-031-12:40 p.m.
 Dao, Diep, Thursday-097-5:00 p.m.
 Dao, Nga, Sunday-067-8:00 a.m.
 Dao, Phuong, Wednesday-073-8:00 a.m., Wednesday-073-9:55 a.m.
 Daras, Konstantinos, Thursday-090-9:55 a.m.
 Darden, Joe, Saturday-026-9:55 a.m., Saturday-088-5:00 p.m.
 Darling, Jonathan, Saturday-061-9:55 a.m., Thursday-099-9:55 a.m.
 Darlington, Robert, Friday-033.5-8:00 a.m., Saturday-072-9:55 a.m.
 Daryanto, Stefani, Sunday-064-2:00 p.m.
 Das, Diganta, Friday-018-1:10 p.m., Thursday-019-5:00 p.m.
 Das, Prerona, Thursday-009-1:10 p.m., Friday-019-5:00 p.m.
 Das, Suparna, Sunday-056-3:55 p.m.
 Das Gupta, Debasree, Wednesday-056-12:40 p.m.
 DasGupta, Debanuj, Wednesday-088-9:55 a.m., Thursday-069-8:00 a.m., Saturday-002-8:00 a.m., Sunday-064-9:55 a.m.
 Dattel, Robin, Friday-006-1:10 p.m.
 Datta, Ayona, Wednesday-088-9:55 a.m., Thursday-034-8:00 a.m., Thursday-008-1:10 p.m., Friday-037-1:10 p.m., Friday-037-9:55 a.m.
 Datta Roy, Anirban, Sunday-062-2:00 p.m.
 Davenport, Megan, Thursday-101-8:00 a.m.
 Davidson, Anna, Saturday-018-1:10 p.m., Thursday-099-8:00 a.m., Sunday-080-8:00 a.m.
 Davidson, Fiona, Saturday-008-1:10 p.m., Saturday-043.4-8:00 a.m.
 Davidson, Joshua, Saturday-043.2-8:00 a.m.
 Davidson, Mark, Sunday-025-8:00 a.m., Sunday-036-9:55 a.m., Sunday-040-2:00 p.m., Sunday-040-3:55 p.m.
 Davies, Alec, Thursday-090-9:55 a.m.
 Davies, Julia, Saturday-043.3-9:55 a.m.
 Davies, Kathryn, Friday-086-5:00 p.m.
 Davies, Marion, Saturday-063-1:10 p.m.
 Davies, Megan, Thursday-056-3:05 p.m.
 Davis, Curt, Thursday-012-1:10 p.m.
 Davis, Edward, Saturday-043.7-8:00 a.m.
 Davis, Eleanor, Saturday-072-9:55 a.m.
 Davis, Erienne, Saturday-065-3:05 p.m.
 Davis, Heather, Thursday-026-3:05 p.m., Friday-016-8:00 a.m.
 Davis, Lisa, Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m.
 Davis, Michael, Thursday-043.1-8:00 a.m.
 Davis, Sasha, Wednesday-031-8:00 a.m.
 Davis Jr, Eric, Saturday-043.3-9:55 a.m.
 Davis Matthews, Merle, Wednesday-057-2:35 p.m.
 Dawney, Leila, Thursday-099-8:00 a.m., Thursday-099-9:55 a.m., Thursday-099-1:10 p.m., Sunday-005-8:00 a.m., Saturday-009-8:00 a.m.
 Dawson, Mia, Thursday-037-3:05 p.m., Thursday-047-3:05 p.m.
 Dawson, Oliver, Friday-007-5:00 p.m.
 Day, Andrew, Thursday-043.1-8:00 a.m.
 Day, Catherine, Thursday-094-5:00 p.m.
 Day, Terence, Thursday-043.3-1:10 p.m.
 De Bremond, Ariane, Saturday-066-8:00 a.m., Friday-066-3:05 p.m., Friday-062-1:10 p.m.
 De Carvalho Antunes, Aghane, Thursday-103-1:10 p.m.
 De Cotta, Tracy, Sunday-090-3:55 p.m.
 De Fuentes, Claudia, Wednesday-081-8:00 a.m.
 De Grassi, Aharon, Saturday-012-3:05 p.m.
 De Guzman, Mylene, Friday-037-5:00 p.m.
 De Hinojosa, Alana, Thursday-007-9:55 a.m.
 De Jong, Marlotte, Sunday-027-3:55 p.m.
 De Kroon, Kristen, Thursday-091-1:10 p.m.
 De La Fuente, David, Friday-021-8:00 a.m.
 De La Herran Iriarte, Eugenia Carlota, Friday-007-5:00 p.m.
 De Lara, Juan, Saturday-089-5:00 p.m., Sunday-084-8:00 a.m., Friday-088-9:55 a.m., Saturday-098-9:55 a.m.
 De Leeuw, Sarah, Friday-034-9:55 a.m., Thursday-095-3:05 p.m., Friday-065-3:05 p.m.
 De Master, Kathryn, Saturday-060-9:55 a.m.
 De Propriis, Lisa, Thursday-081-1:10 p.m., Friday-005-5:00 p.m.
 De Sherbinin, Alex, Thursday-088-9:55 a.m.
 De Vos, Duco, Friday-020-1:10 p.m.
 Deacon, Leith, Saturday-063-9:55 a.m.
 Deal, Richard, Thursday-026-8:00 a.m.
 Dean-Perkins, Nicole, Saturday-043.1-8:00 a.m., Saturday-087-3:05 p.m.
 Debbage, Keith, Thursday-092-3:05 p.m., Wednesday-073-4:30 p.m., Friday-006-5:00 p.m.
 Debbage, Neil, Thursday-092-3:05 p.m.
 DeBoer, Tiffany, Wednesday-073-2:35 p.m.

PARTICIPANT INDEX

- DeBoom, Meredith, Thursday-081-5:00 p.m., Wednesday-087-2:35 p.m.
 DeBruin, Jed, Sunday-058-8:00 a.m.
 DeCorse, Christina, Thursday-001-8:00 a.m.
 DeCrisanti, Caryn, Saturday-043.2-8:00 a.m.
 DeDauw, Patrick, Friday-086-1:10 p.m.
 Dede-Bamfo, Nathaniel, Thursday-083-1:10 p.m.
 Deen, Sahab, Thursday-083-9:55 a.m.
 DeFilippis, James, Friday-039-5:00 p.m., Thursday-089-1:10 p.m.
 Degarege, Gebeyaw Ambelu, Wednesday-050-2:35 p.m.
 Dein, Jacob, Saturday-043.3-9:55 a.m.
 Deitrick, Stephanie, Saturday-043.1-8:00 a.m., Wednesday-069-9:55 a.m.
 Deitz, Carrie, Friday-043.1-3:05 p.m.
 Deitz, Shiloh, Thursday-047-5:00 p.m.
 Deka, Mark, Saturday-063-8:00 a.m.
 Del Casino, Vincent, Saturday-102-3:05 p.m., Saturday-102-5:00 p.m.
 Delabre, Izabela, Wednesday-049-8:00 a.m.
 Delage, Aurelie, Friday-025-3:05 p.m., Thursday-063-3:05 p.m.
 Delamater, Paul, Saturday-057-3:05 p.m., Sunday-056-3:55 p.m., Saturday-057-8:00 a.m.
 Delaroche, Martin, Saturday-101-1:10 p.m., Saturday-101-3:05 p.m., Saturday-101-5:00 p.m.
 Delconte, John, Friday-043.1-9:55 a.m.
 Dele, Rev, Sunday-061-3:55 p.m.
 Delgado, William, Friday-043.1-1:10 p.m.
 Delina, Laurence, Friday-083-9:55 a.m.
 Dell, Brent, Thursday-067-3:05 p.m.
 Dell'Agnese, Elena, Thursday-006-9:55 a.m.
 Delmelle, Elizabeth, Saturday-024-9:55 a.m., Wednesday-066-12:40 p.m., Wednesday-066-2:35 p.m.
 Delmelle, Eric, Wednesday-055-2:35 p.m., Friday-055-9:55 a.m., Thursday-097-3:05 p.m., Thursday-047-5:00 p.m., Friday-055-5:00 p.m., Sunday-054-9:55 a.m., Thursday-032-8:00 a.m., Thursday-032-9:55 a.m., Thursday-057-9:55 a.m., Saturday-055-1:10 p.m.
 Delmerico, Alan, Thursday-061-5:00 p.m.
 DeLoatch, Ivan, Saturday-053-3:05 p.m.
 DeLonge, Marcia, Saturday-039-8:00 a.m., Thursday-043.1-8:00 a.m., Wednesday-035-9:55 a.m.
 Delphine, Delphine, Thursday-019-9:55 a.m.
 Delpino Marimon, Maria Del Pilar, Thursday-043.2-1:10 p.m.
 DeLyser, Dydia, Saturday-016-1:10 p.m., Saturday-080-3:05 p.m.
 Dematteo, John, Saturday-043.6-8:00 a.m.
 DeMers, Michael, Friday-039-1:10 p.m., Saturday-025-9:55 a.m., Wednesday-050-12:40 p.m.
 Demerutis Arenas, Juan, Saturday-100-3:05 p.m.
 Demeterova, Barbara, Thursday-082-8:00 a.m.
 Dempsey, Jessica, Friday-061-5:00 p.m., Friday-055-1:10 p.m., Thursday-095-3:05 p.m.
 Dempsey, Kara, Wednesday-038-12:40 p.m., Thursday-043.1-8:00 a.m.
 Deng, Chengbin, Saturday-062-5:00 p.m.
 Deng, Xiangzheng, Thursday-025-3:05 p.m.
 Deng, Xiaojun, Saturday-055-3:05 p.m.
 Deng, Yingbin, Saturday-033.5-8:00 a.m., Saturday-062-5:00 p.m.
 Deniz, Mehmet, Saturday-016-9:55 a.m.
 Denning, Laura, Thursday-061-3:05 p.m.
 Dennler, Kathryn, Thursday-099-1:10 p.m.
 Denvir, Audrey, Saturday-043.6-8:00 a.m.
 DePue, Nicole, Friday-019-3:05 p.m., Friday-019-1:10 p.m.
 DePuy, Walker, Thursday-098-1:10 p.m.
 Derickson, Kate, Wednesday-038-4:30 p.m., Friday-038-3:05 p.m., Sunday-061-3:55 p.m., Saturday-098-1:10 p.m.
 Derman, Brandon, Saturday-054-9:55 a.m., Sunday-086-8:00 a.m.
 Derrington, Patrice, Saturday-080-9:55 a.m.
 Derudder, Ben, Saturday-081-9:55 a.m., Friday-005-5:00 p.m.
 Dery, Florence, Friday-033.5-9:55 a.m.
 Desbiens, Caroline, Thursday-038-1:10 p.m.
 Deshaies, Michel, Thursday-024-8:00 a.m., Thursday-018-3:05 p.m., Friday-049-9:55 a.m.
 DESHI, Dr.RAJASEKARAN, Thursday-019-3:05 p.m.
 Desjardins, Michael, Friday-055-8:00 a.m., Wednesday-055-2:35 p.m., Friday-055-9:55 a.m., Friday-055-5:00 p.m., Thursday-057-9:55 a.m.
 Desponds, Didier, Thursday-001-8:00 a.m.
 Dessouky, Nermin, Friday-050-1:10 p.m.
 Deuchar, Andrew, Sunday-070-9:55 a.m.
 Dev, Laura, Thursday-066-5:00 p.m., Saturday-067-9:55 a.m.
 DEV SARMA, GAJENDRA MOHAN, Thursday-063-1:10 p.m.
 Devadoss, Christabel, Thursday-026-1:10 p.m.
 Deverteuil, Geoffrey, Friday-095-9:55 a.m., Saturday-006-3:05 p.m.
 Devine, Jason, Thursday-080-9:55 a.m.
 Devine, Jennifer, Wednesday-050-2:35 p.m., Thursday-049-3:05 p.m., Thursday-049-5:00 p.m.
 Devine, Tyler, Sunday-069-9:55 a.m.
 DeVivo, M., Thursday-031-5:00 p.m., Friday-082-5:00 p.m.
 Devkota, Dikshya, Thursday-018-9:55 a.m.
 Devlin, Ryan, Sunday-084-2:00 p.m.
 DeVries, Emma, Friday-016-9:55 a.m., Sunday-061-3:55 p.m.
 Dewan, Anudeep, Friday-043.5-8:00 a.m.
 Dewsbury, John-David, Thursday-002-8:00 a.m.
 Dezember, Amy, Sunday-069-8:00 a.m.
 Dhussa, Ramesh, Thursday-010-5:00 p.m., Saturday-007-8:00 a.m.
 Di, Chong, Friday-043.1-1:10 p.m.
 Di Cataldo, Marco, Thursday-081-9:55 a.m.
 Diallo, Thierno, Saturday-092-3:05 p.m.
 Diamond, Sara, Thursday-103-1:10 p.m.
 Diao, Chunyuan, Saturday-048-1:10 p.m., Saturday-048-3:05 p.m., Saturday-033.5-8:00 a.m., Saturday-048-5:00 p.m.
 Dias De Souza Moraes, Flavia, Thursday-043.1-8:00 a.m., Friday-052-9:55 a.m.
 Diaz, Ileana, Saturday-018-3:05 p.m., Friday-088-3:05 p.m., Thursday-100-3:05 p.m.
 Diaz-Combs, Claudia, Thursday-047-1:10 p.m.
 Díaz-Garayúa, José, Friday-026-5:00 p.m.
 DiBenedetto, Lucy, Wednesday-033.5-4:30 p.m.
 DiBiase, David, Thursday-065-5:00 p.m., Friday-004-3:05 p.m.
 DiCarlo, Jessica, Thursday-005-9:55 a.m.
 Dicenta, Mara, Wednesday-088-8:00 a.m., Sunday-080-8:00 a.m.
 Dicken, Chris, Saturday-057-3:05 p.m.
 Dickinson, Hannah, Saturday-074-1:10 p.m.
 Dickinson, James, Wednesday-086-4:30 p.m.
 Dickinson, Stephen, Sunday-037-2:00 p.m.
 Dietmaier, Annette, Friday-062-1:10 p.m.
 Dietrich, James, Friday-033.5-5:00 p.m., Saturday-065-9:55 a.m., Saturday-065-3:05 p.m.
 Diko, Stephen, Thursday-034-5:00 p.m.
 Dillon, Lindsey, Thursday-037-1:10 p.m., Sunday-089-3:55 p.m.
 Dilsaver, Lary, Friday-080-8:00 a.m.
 Dimitrova, Venetsiya, Sunday-055-9:55 a.m.
 Dimmelmeier, Andreas, Wednesday-039-2:35 p.m.
 Dimpfl, Mike, Wednesday-041-4:30 p.m.
 Ding, Meng, Saturday-062-9:55 a.m.
 Ding, Nan, Thursday-020-5:00 p.m.
 Ding, Yang, Wednesday-033.5-4:30 p.m.
 Dingemans, Theodore, Thursday-066-3:05 p.m.
 Diodato, Dario, Thursday-081-9:55 a.m.
 Dittmer, Jason, Thursday-102-9:55 a.m., Wednesday-057-8:00 a.m., Thursday-090-3:05 p.m.
 Diver, Sibyl, Wednesday-088-8:00 a.m., Wednesday-073-12:40 p.m., Wednesday-031-2:35 p.m., Saturday-025-5:00 p.m.
 Dixon, Adam, Friday-097-8:00 a.m., Friday-097-5:00 p.m., Friday-097-9:55 a.m., Friday-097-1:10 p.m., Friday-097-3:05 p.m., Thursday-065-9:55 a.m.
 Dixon, Barnali, Friday-087-8:00 a.m., Friday-062-5:00 p.m.
 Dixon, Deborah, Thursday-093-9:55 a.m., Thursday-061-1:10 p.m., Thursday-061-3:05 p.m.
 Dixon, Grady, Thursday-043.3-1:10 p.m.
 Dixon, Megan, Thursday-005-8:00 a.m., Friday-103-8:00 a.m., Saturday-064-8:00 a.m., Friday-016-1:10 p.m., Saturday-064-9:55 a.m.
 DIZON, HAZEL, Sunday-006-8:00 a.m.
 Doan, Petra, Friday-068-8:00 a.m., Friday-068-9:55 a.m., Thursday-031-9:55 a.m., Wednesday-003-4:30 p.m.
 Dobbs, G., Friday-033.5-5:00 p.m., Friday-069-1:10 p.m.
 Dobler-Morales, Carlos, Friday-066-1:10 p.m.
 Dobruskin, Janina, Friday-035-3:05 p.m.
 Dodge, Somayeh, Friday-041-3:05 p.m.

PARTICIPANT INDEX

Dodson, Zan, Saturday-095-9:55 a.m., Wednesday-009-4:30 p.m., Friday-053-9:55 a.m., Thursday-053-3:05 p.m., Friday-005-3:05 p.m.
 Dodsworth, Jennifer, Sunday-086-3:55 p.m.
 Doe, William, Saturday-023-5:00 p.m., Friday-004-6:50 p.m.
 Doerner, James, Friday-043.1-3:05 p.m.
 Dogo, Bala, Friday-025-1:10 p.m.
 Dohrenwend, Adam, Sunday-058-8:00 a.m.
 Dolhinow, Rebecca, Saturday-069-8:00 a.m.
 DOLKAR, TSETAN, Thursday-024-3:05 p.m.
 Doll, Ross, Wednesday-048-4:30 p.m., Saturday-094-9:55 a.m., Saturday-016-1:10 p.m.
 Domanico, Emily, Friday-033.5-8:00 a.m., Saturday-043.3-9:55 a.m.
 Domosh, Mona, Thursday-099-3:05 p.m.
 Dong, Ting, Thursday-058-8:00 a.m.
 Dong, Zhe, Thursday-033-3:05 p.m.
 Dongol, Yogesh, Friday-010-1:10 p.m.
 Donn, Leila, Friday-054-9:55 a.m., Friday-054-3:05 p.m.
 Donnelly, Shanon, Sunday-039-8:00 a.m., Thursday-043.3-9:55 a.m.
 Donovan, Courtney, Wednesday-038-2:35 p.m., Saturday-018-5:00 p.m., Wednesday-032-4:30 p.m.
 Donovan, Gregory, Sunday-038-9:55 a.m.
 Dony, Coline, Wednesday-055-2:35 p.m., Thursday-068-9:55 a.m., Wednesday-070-4:30 p.m., Thursday-011-8:00 a.m., Saturday-068-3:05 p.m., Saturday-055-1:10 p.m., Thursday-053-3:05 p.m., Wednesday-070-12:40 p.m., Wednesday-070-2:35 p.m., Friday-007-8:00 a.m., Saturday-007-9:55 a.m.
 Doolittle, William, Saturday-043.2-8:00 a.m.
 Doomernik, Jeroen, Friday-007-3:05 p.m.
 Dorfman, Dan, Sunday-028-2:00 p.m.
 Dorkenoo, Selasi, Thursday-043.2-3:05 p.m.
 Dorman, Wendy, Friday-043.4-1:10 p.m.
 Dornelles, Vevila, Thursday-034-8:00 a.m.
 Dorries, Heather, Thursday-037-3:05 p.m., Friday-086-8:00 a.m.
 Dörry, Sabine, Saturday-102-1:10 p.m., Wednesday-065-4:30 p.m., Wednesday-039-2:35 p.m.
 Douangchai, Vanhvilai, Sunday-089-9:55 a.m.
 Doucet, Brian, Saturday-038-1:10 p.m.
 Dougherty, Percy, Wednesday-083-2:35 p.m., Friday-026-8:00 a.m., Friday-026-9:55 a.m.
 Douglas, Gordon, Thursday-022-3:05 p.m., Thursday-022-5:00 p.m.
 Douglass-Jaimes, Guillermo, Thursday-057-8:00 a.m.
 Doussard, Marc, Friday-005-8:00 a.m.
 Dow, Kirstin, Friday-047-5:00 p.m.
 Dowle, Lewis, Saturday-007-1:10 p.m.
 Dowler, Lorraine, Thursday-069-8:00 a.m., Thursday-092-9:55 a.m., Friday-035-1:10 p.m., Wednesday-009-12:40 p.m., Saturday-010-5:00 p.m., Wednesday-009-2:35 p.m., Wednesday-009-4:30 p.m., Saturday-010-3:05 p.m., Saturday-002-1:10 p.m.
 Dowtin, Asia, Wednesday-090-4:30 p.m.
 Doyle, Colin, Friday-054-3:05 p.m., Friday-054-5:00 p.m.
 Drago, Ana, Saturday-097-9:55 a.m.
 Drake, Dawn, Wednesday-036-8:00 a.m., Thursday-027-1:10 p.m., Thursday-031-5:00 p.m.
 Drake, Jonathan, Friday-067-1:10 p.m.
 Drake, Michael, Saturday-073-1:10 p.m., Saturday-101-5:00 p.m., Thursday-043.4-9:55 a.m.
 Drakes, Oronde, Friday-048-5:00 p.m.
 Drew, Rachel, Friday-063-1:10 p.m.
 Drezner, Taly, Friday-043.1-3:05 p.m.
 Driessen, Clemens, Wednesday-035-12:40 p.m.
 Driscoll-Brantley, Gena, Thursday-043.2-3:05 p.m.
 Driver, Georgienna, Friday-043.1-1:10 p.m.
 Dronova, Iryna, Thursday-072-8:00 a.m.
 Drozdewski, Danielle, Wednesday-037-8:00 a.m., Saturday-001-9:55 a.m.
 Drucker, Joshua, Friday-006-5:00 p.m.
 Drummond, Dorothy, Friday-019-3:05 p.m., Friday-019-1:10 p.m.
 Du, Fangye, Friday-057-8:00 a.m.
 Du, Qingyun, Saturday-091-8:00 a.m., Saturday-024-3:05 p.m.
 Du, Shihong, Saturday-047-9:55 a.m.
 Duan, Leilei, Saturday-025-8:00 a.m.
 Duan, Weili, Thursday-043.1-8:00 a.m.

DUAN, YANG, Thursday-063-3:05 p.m.
 Duanmu, Yibo, Thursday-020-9:55 a.m.
 Dubik, Bradford, Saturday-074-1:10 p.m., Sunday-058-3:55 p.m.
 Dubos-Paillard, Edwige, Friday-048-1:10 p.m.
 Dubuisson, Eva-Marie, Friday-098-8:00 a.m.
 Duchesne, Rocio, Saturday-033.5-1:10 p.m.
 Duchicela, Sisimac, Friday-072-9:55 a.m.
 Ducre, Kishi, Thursday-084-3:05 p.m.
 DUCROS, Hélène, Friday-023-5:00 p.m., Thursday-017-9:55 a.m., Saturday-063-1:10 p.m., Thursday-017-1:10 p.m., Thursday-017-3:05 p.m., Thursday-017-5:00 p.m., Friday-024-8:00 a.m., Friday-024-9:55 a.m.
 Dudley, Katie, Thursday-102-5:00 p.m.
 Duffy, Deanna, Friday-093-9:55 a.m.
 Duffy, Lauren, Thursday-006-1:10 p.m., Saturday-005-9:55 a.m.
 Duke, Barbaree, Thursday-070-5:00 p.m.
 Dumont, Claire, Sunday-086-2:00 p.m.
 Duncan, Shelby, Thursday-043.4-9:55 a.m.
 Dundon, Amy, Saturday-026-5:00 p.m.
 Dunford, Michael, Thursday-081-5:00 p.m., Friday-005-5:00 p.m., Saturday-027-8:00 a.m., Saturday-082-1:10 p.m.
 Dunn, Elizabeth, Saturday-084-1:10 p.m.
 Dunn, Kevin, Saturday-092-3:05 p.m., Saturday-092-5:00 p.m.
 Dunn, Peter, Saturday-103-1:10 p.m.
 Dunning, Nicholas, Friday-054-9:55 a.m., Friday-054-5:00 p.m.
 Dupigny-Giroux, Lesley-Ann, Thursday-092-9:55 a.m., Friday-047-5:00 p.m.
 DuPuis, E. Melanie, Friday-016-3:05 p.m., Friday-073-5:00 p.m.
 Durant, Jennie, Wednesday-031-4:30 p.m., Sunday-037-9:55 a.m.
 Durgan, Sara, Thursday-058-3:05 p.m.
 Duron, Isabel, Sunday-061-2:00 p.m.
 Dutta, Dipanwita, Thursday-043.4-9:55 a.m.
 Dutta, Madhumita, Thursday-087-1:10 p.m., Thursday-026-3:05 p.m.
 DWOMOH, KWADWO, Friday-043.2-1:10 p.m.
 Dwyer, Michael, Saturday-073-5:00 p.m., Thursday-005-8:00 a.m.
 Dyer, James, Friday-043.1-3:05 p.m.
 Dymski, Gary, Saturday-102-1:10 p.m., Thursday-023-5:00 p.m., Sunday-088-9:55 a.m.
 Dyson, Jane, Thursday-095-1:10 p.m.
 Dzwonczyk, Elizabeth, Friday-039-9:55 a.m.
 Dzwonczyk, John, Saturday-064-9:55 a.m.

E

Eakin, Hallie, Sunday-041-9:55 a.m., Wednesday-053-12:40 p.m.
 Earl, Richard, Saturday-043.1-8:00 a.m., Thursday-048-9:55 a.m.
 Eaves, LaToya, Wednesday-088-9:55 a.m., Friday-068-8:00 a.m., Friday-098-5:00 p.m., Saturday-035-9:55 a.m., Friday-068-9:55 a.m., Friday-101-3:05 p.m., Wednesday-009-2:35 p.m., Thursday-037-5:00 p.m.
 Ebbensgaard, Casper, Friday-095-1:10 p.m.
 Ebinger, Lee, Friday-043.3-1:10 p.m.
 Ebun, Yonlonfoun,
 Eck, Montana, Sunday-063-8:00 a.m.
 Eckhardt, Carter, Thursday-043.2-3:05 p.m., Saturday-043.1-8:00 a.m.
 Edelblutte, Emilie, Saturday-065-5:00 p.m.
 Edey, Daniella, Friday-043.3-9:55 a.m.
 Edmond, John, Friday-043.3-9:55 a.m.
 Edsall, Rob, Friday-065-5:00 p.m.
 Edwards, Jeffry, Friday-033.5-8:00 a.m.
 Edwards, Paris, Friday-072-9:55 a.m., Thursday-035-8:00 a.m.
 Edwards, Tracy, Friday-043.3-9:55 a.m.
 Edwin, David, Saturday-082-9:55 a.m.
 Egan-Anderson, Eli, Friday-043.1-8:00 a.m.
 Egendorf, Sara Perl, Thursday-084-9:55 a.m.
 Egge, Michael, Thursday-047-3:05 p.m.
 Ehrhart, Ryan, Sunday-037-2:00 p.m.
 Ehrkamp, Patricia, Wednesday-088-4:30 p.m., Saturday-008-5:00 p.m., Sunday-094-8:00 a.m.
 Ehrman-Solberg, Kevin, Sunday-026-2:00 p.m.
 Eichen, Joshua, Friday-017-8:00 a.m.
 Eichenmüller, Christian, Saturday-012-9:55 a.m.

PARTICIPANT INDEX

- Eichhorst, Jean, Saturday-043.3-8:00 a.m.
 Eichhorst, Phoebe, Friday-043.3-1:10 p.m.
 Eidse, Noelani, Wednesday-086-2:35 p.m., Wednesday-086-8:00 a.m.,
 Wednesday-086-9:55 a.m., Saturday-054-3:05 p.m., Wednesday-086-12:40 p.m.,
 Wednesday-086-4:30 p.m.
 Eisenburger, Maximilian, Friday-005-1:10 p.m.
 Eisenhart, Amelia, Friday-025-5:00 p.m.
 Eisenhart, Karen, Friday-043.1-3:05 p.m.
 Eisenhauer, David, Sunday-041-8:00 a.m.
 Eisenman, Theodore, Wednesday-090-12:40 p.m., Wednesday-090-2:35 p.m.,
 Sunday-037-2:00 p.m.
 Ek, Richard, Thursday-026-9:55 a.m.
 Ekers, Michael, Friday-012-8:00 a.m., Friday-012-9:55 a.m.
 El Moussawi, Hala, Sunday-047-3:55 p.m., Thursday-026-5:00 p.m.
 Elcik, Christopher, Thursday-043.1-8:00 a.m.
 Elder, Alison, Friday-050-8:00 a.m.
 Elder, Kieran, Thursday-043.3-9:55 a.m.
 Eley, Samantha, Thursday-043.1-8:00 a.m.
 El-Fil, Zaria, Saturday-012-5:00 p.m.
 El-Hadi, Nehal, Sunday-023-9:55 a.m.
 Elias, Megan, Saturday-070-8:00 a.m.
 Eliaser, Jason, Friday-021-1:10 p.m.
 Elledge, Annie, Sunday-036-3:55 p.m., Friday-093-9:55 a.m.
 Ellegård, Kajsa, Wednesday-091-8:00 a.m., Wednesday-091-2:35 p.m.,
 Wednesday-091-9:55 a.m., Wednesday-091-12:40 p.m.
 Ellicott, Evan, Saturday-066-8:00 a.m., Friday-062-1:10 p.m., Wednesday-058-9:55 a.m.
 Elliott, Susan, Saturday-074-8:00 a.m., Friday-089-8:00 a.m., Sunday-057-9:55 a.m.
 Elliott-Cooper, Adam, Saturday-038-1:10 p.m., Saturday-038-3:05 p.m.
 Ellis, Andrew, Saturday-057-1:10 p.m., Friday-052-1:10 p.m.
 Ellis, Erle, Sunday-048-9:55 a.m., Friday-016-1:10 p.m., Friday-066-1:10 p.m.,
 Friday-066-5:00 p.m.
 Ellis, Jean, Saturday-072-1:10 p.m., Saturday-072-8:00 a.m., Saturday-072-3:05 p.m.,
 Wednesday-053-12:40 p.m., Wednesday-053-2:35 p.m., Friday-033.5-3:05 p.m.
 Ellis, Kelsey, Friday-048-8:00 a.m., Thursday-043.1-8:00 a.m., Friday-052-1:10
 p.m., Wednesday-072-12:40 p.m.
 Ellis, Mark, Friday-089-5:00 p.m., Sunday-094-8:00 a.m., Friday-089-3:05 p.m.
 Ellis, Rebecca, Saturday-023-1:10 p.m., Sunday-037-9:55 a.m.
 Ellison, Gary, Thursday-061-9:55 a.m.
 Ellison, Treva, Wednesday-038-4:30 p.m., Thursday-037-5:00 p.m.
 Elvira, Juan, Friday-094-1:10 p.m.
 Elwell, Julie, Saturday-043.3-9:55 a.m.
 Elwood, Sarah, Friday-052-5:00 p.m.
 Emch, Michael, Saturday-056-3:05 p.m., Saturday-057-8:00 a.m.
 Emel, Jacque (Jody), Wednesday-034-2:35 p.m., Friday-094-8:00 a.m.,
 Friday-094-9:55 a.m.
 Emerson, Michael, Friday-060-5:00 p.m.
 Emma, Peltier, Sunday-047-3:55 p.m.
 Emmerich, Marcus, Friday-003-3:05 p.m.
 Emmett, Chad, Friday-034-3:05 p.m.
 Emmons, Derek, Friday-043.1-1:10 p.m.
 Emmons, Nicholas, Thursday-100-8:00 a.m.
 Empinotti, Vanessa, Thursday-047-3:05 p.m.
 Emrich, Christopher, Thursday-035-8:00 a.m.
 Endfield, Georgina, Friday-047-1:10 p.m.
 Engebretsen, Øystein, Thursday-051-1:10 p.m.
 Engel, Jakob, Thursday-064-3:05 p.m.
 Engelberg, Daniel, Wednesday-039-8:00 a.m.
 Engel-Di Mauro, Salvatore, Thursday-067-8:00 a.m., Sunday-066-8:00 a.m.,
 Friday-012-1:10 p.m., Thursday-054-8:00 a.m., Thursday-084-5:00 p.m.,
 Friday-012-3:05 p.m.
 Engelmann, Sasha, Saturday-024-8:00 a.m., Wednesday-094-4:30 p.m.,
 Sunday-067-3:55 p.m.
 England, Kim, Saturday-087-9:55 a.m.
 England, Marcia, Sunday-016-2:00 p.m., Saturday-018-5:00 p.m.
 English, Megan, Sunday-050-9:55 a.m.
 Enright, Theresa, Wednesday-087-9:55 a.m., Saturday-018-9:55 a.m.,
 Saturday-036-5:00 p.m.
 Enriquez, Jared, Sunday-089-8:00 a.m.
 Enssle, Friederike, Friday-003-3:05 p.m.
 Enwright, Nicholas, Saturday-072-8:00 a.m.
 Eom, Sujin, Sunday-055-9:55 a.m.
 Epstein, Katie, Saturday-094-1:10 p.m.
 Erdal, Marta, Saturday-001-8:00 a.m., Saturday-001-9:55 a.m.
 Erickson, Bruce, Thursday-102-5:00 p.m.
 Eriksson, Rikard, Wednesday-081-4:30 p.m., Thursday-081-8:00 a.m.
 Erisman, Kyle, Thursday-072-1:10 p.m.
 Erl, Chris, Friday-008-8:00 a.m.
 Ernst, Kassie, Thursday-063-8:00 a.m., Wednesday-047-4:30 p.m.
 Ernst, Nicole, Thursday-043.3-9:55 a.m.
 Ernwein, Marion, Saturday-023-1:10 p.m., Saturday-101-9:55 a.m.,
 Saturday-023-3:05 p.m.
 Eross, Agnes, Thursday-033-3:05 p.m.
 Erwin, Anna, Friday-010-9:55 a.m., Friday-040-5:00 p.m.
 Eshghi, Mohammad, Friday-041-5:00 p.m.
 Eshleman, Sara, Friday-054-9:55 a.m., Friday-054-3:05 p.m.
 Eshun, James,
 Esmond, Stephen, Friday-043.2-3:05 p.m.
 Espert, Valentin, Thursday-073-3:05 p.m.
 Espinosa, Claudia, Saturday-102-9:55 a.m.
 Esposito, Christopher, Wednesday-081-2:35 p.m.
 Essebo, Maja, Thursday-024-1:10 p.m.
 Essex, Jamey, Thursday-102-9:55 a.m.
 Estes, Nick, Thursday-067-9:55 a.m.
 Estoque, Ronald, Saturday-062-5:00 p.m.
 Estrada-Grajales, Carlos, Friday-003-8:00 a.m., Friday-003-9:55 a.m.,
 Friday-003-1:10 p.m., Friday-003-3:05 p.m.
 Ettlinger, Nancy, Thursday-034-1:10 p.m., Thursday-041-9:55 a.m.
 Eum, Youngseob, Thursday-057-9:55 a.m.
 Evans, Alexandra, Sunday-050-8:00 a.m.
 Evans, Jocelyn, Thursday-033-9:55 a.m., Friday-008-8:00 a.m.
 Evans, Lewis, Friday-001-3:05 p.m.
 Evans, Megan, Thursday-064-9:55 a.m.
 Evans, Tom, Friday-073-1:10 p.m., Sunday-001-8:00 a.m., Thursday-060-8:00
 a.m., Sunday-001-9:55 a.m., Sunday-091-9:55 a.m., Friday-066-1:10 p.m.,
 Friday-066-9:55 a.m., Saturday-054-5:00 p.m., Saturday-043.3-9:55 a.m.
 Evenhuis, Emil, Friday-092-1:10 p.m., Thursday-073-9:55 a.m., Friday-092-3:05 p.m.
 Evered, Kyle, Friday-026-9:55 a.m.
 Evers, Cody, Sunday-068-8:00 a.m.
 Eyelade, Damilola, Thursday-090-9:55 a.m.
- ## F
- Faber, Willem Jan, Saturday-081-5:00 p.m.
 Fabricant, Nicole, Thursday-084-3:05 p.m., Saturday-041-5:00 p.m.
 Fabris, Michael, Friday-086-8:00 a.m.
 Fadiman, Maria, Saturday-070-1:10 p.m., Friday-098-9:55 a.m.
 Fagin, Todd, Friday-043.1-3:05 p.m., Thursday-065-8:00 a.m., Wednesday-054-4:30
 p.m., Thursday-065-9:55 a.m.
 Fahil, Amr, Thursday-043.4-9:55 a.m.
 Fahrenbruch, Matthew, Wednesday-012-12:40 p.m., Wednesday-047-4:30 p.m.
 Faier, Lieba, Thursday-095-3:05 p.m.
 Fain, Tiana, Saturday-058-3:05 p.m.
 Fair, Hannah, Thursday-098-9:55 a.m.
 Fairbairn, Madeleine, Saturday-094-1:10 p.m., Friday-012-9:55 a.m.,
 Sunday-064-2:00 p.m.
 Fairless Nicholson, Jacob, Thursday-100-1:10 p.m.
 Falcon, Joshua, Saturday-064-1:10 p.m.
 Fallows, James, Friday-092-5:00 p.m.
 Fan, Chao, Thursday-058-1:10 p.m., Thursday-033.5-3:05 p.m.
 Fan, Cindy, Thursday-086-9:55 a.m.
 Fan, Jessica, Thursday-028-1:10 p.m.
 Fan, Junchuan, Thursday-091-8:00 a.m.
 Fan, Keng Hang, Thursday-043.1-1:10 p.m.
 Fan, Wei, Saturday-086-5:00 p.m.
 Fang, Fang, Saturday-043.3-9:55 a.m.
 Fang, Jiaxu, Saturday-043.2-8:00 a.m.
 Fang, Yiqing, Saturday-103-1:10 p.m.

PARTICIPANT INDEX

- FANG, Zhixiang, Saturday-091-3:05 p.m., Sunday-060-3:55 p.m.
 Fanghanel, Alex, Saturday-087-5:00 p.m.
 Fannin, Maria, Sunday-016-2:00 p.m., Thursday-033-8:00 a.m., Sunday-067-3:55 p.m.
 Farah, Irene, Friday-021-9:55 a.m.
 Farah, Nabeela, Sunday-089-9:55 a.m.
 Farhadi, Beyhan, Wednesday-083-9:55 a.m., Thursday-017-3:05 p.m., Friday-024-9:55 a.m.
 Faria, Caroline, Thursday-093-8:00 a.m., Saturday-069-8:00 a.m., Saturday-035-9:55 a.m., Sunday-067-9:55 a.m., Sunday-036-3:55 p.m., Saturday-010-3:05 p.m., Friday-093-8:00 a.m., Friday-093-9:55 a.m.
 Farmer, Jane, Wednesday-092-8:00 a.m.
 Farmer, Lucas, Saturday-072-8:00 a.m.
 Farrell, Maura, Saturday-001-1:10 p.m.
 Farrigan, Tracey, Sunday-080-2:00 p.m.
 Fassam, Liam, Saturday-056-9:55 a.m., Sunday-080-2:00 p.m.
 Faulkner, Douglas, Friday-043-4-8:00 a.m., Saturday-065-3:05 p.m.
 Faulkner, Sherah, Sunday-028-8:00 a.m.
 Faulon, Marie, Thursday-006-8:00 a.m.
 Faye, Jean, Wednesday-033-2:35 p.m.
 Fazzino, David, Saturday-082-5:00 p.m.
 Fearnside, Philip, Thursday-103-8:00 a.m., Friday-032-1:10 p.m.
 Featherstone, Davd, Sunday-066-8:00 a.m., Wednesday-031-12:40 p.m.
 Federman, Tia, Friday-043.1-3:05 p.m.
 Federwisch, Tobias, Friday-028-3:05 p.m.
 Feghali, Sylvia, Saturday-043.5-8:00 a.m.
 Fei, Ding, Thursday-027-9:55 a.m.
 Feigenbaum, Anna, Wednesday-038-2:35 p.m., Sunday-067-2:00 p.m., Saturday-024-8:00 a.m., Thursday-060-5:00 p.m.
 Fekete, Emily, Saturday-037-3:05 p.m., Saturday-103-8:00 a.m., Saturday-043.7-8:00 a.m., Saturday-103-9:55 a.m., Saturday-103-1:10 p.m., Saturday-103-3:05 p.m., Saturday-103-5:00 p.m., Friday-036-1:10 p.m.
 Feldman, Nina, Thursday-083-8:00 a.m.
 Felsten, Janet, Friday-043.3-9:55 a.m.
 Fencel, Amanda, Thursday-047-3:05 p.m., Sunday-089-8:00 a.m.
 Feng, Chen-Chieh, Thursday-097-8:00 a.m., Thursday-097-9:55 a.m., Thursday-093-5:00 p.m.
 Feng, Guoquan, Saturday-033.5-8:00 a.m.
 Feng, Jimmy, Thursday-091-5:00 p.m.
 Feng, Kuishuang, Thursday-043.1-8:00 a.m.
 Feng, Tuo, Saturday-087-1:10 p.m.
 Feng, Xin, Thursday-073-1:10 p.m., Friday-047-9:55 a.m.
 Feng, Zhao, Friday-073-8:00 a.m.
 Fent, Ashley, Saturday-041-1:10 p.m., Saturday-012-3:05 p.m.
 Ferdoush, Md Azmeary, Saturday-007-1:10 p.m., Saturday-007-3:05 p.m., Saturday-007-5:00 p.m.
 Ferguson, Jacquelyn, Saturday-072-1:10 p.m., Wednesday-053-2:35 p.m.
 Ferguson, Rafter, Saturday-039-8:00 a.m., Thursday-043.1-8:00 a.m.
 Fernandes, Bernardo, Saturday-089-3:05 p.m., Thursday-102-8:00 a.m.
 Fernandez Alvarez, Hilda, Thursday-012-5:00 p.m., Wednesday-093-8:00 a.m.
 Ferraby, Liam, Friday-064-8:00 a.m.
 Ferrario, Carla, Friday-043.2-9:55 a.m., Friday-064-3:05 p.m.
 Festus, Olusola, Saturday-047-9:55 a.m.
 Field, Kenneth, Wednesday-032-9:55 a.m.
 Fika, Kelli, Friday-043.1-8:00 a.m.
 Filho, José, Thursday-102-8:00 a.m.
 Filhol, Romain, Friday-012-1:10 p.m.
 Filippi, Anthony, Friday-043.1-3:05 p.m., Wednesday-008-12:40 p.m., Friday-043.4-8:00 a.m.
 Filippova, Viktoriia, Friday-103-9:55 a.m.
 Finchum, Allen, Thursday-043.3-1:10 p.m.
 Finewood, Michael, Friday-050-8:00 a.m., Sunday-037-3:55 p.m., Sunday-037-2:00 p.m.
 Finio, Nicholas, Thursday-090-9:55 a.m., Sunday-040-3:55 p.m.
 Finlay, Jessica, Saturday-074-8:00 a.m., Saturday-055-9:55 a.m., Saturday-055-3:05 p.m., Saturday-055-5:00 p.m.
 Finlayson, Caitie, Friday-006-1:10 p.m., Thursday-027-1:10 p.m., Saturday-003-3:05 p.m.
 Finley-Brook, Mary, Friday-088-1:10 p.m., Thursday-043.3-9:55 a.m.
 Finn, Brandon, Saturday-086-3:05 p.m.
 Finn, John, Thursday-028-5:00 p.m., Thursday-031-3:05 p.m., Saturday-043.3-9:55 a.m.
 Fiorentino, Stefania, Saturday-099-9:55 a.m.
 Fiorio, Lee, Friday-089-3:05 p.m.
 Firth, Jeanne, Thursday-101-5:00 p.m., Sunday-041-9:55 a.m.
 Fisch, Jessica, Thursday-050-3:05 p.m.
 Fischer, Alexandra Paige, Sunday-068-8:00 a.m., Thursday-090-5:00 p.m., Thursday-065-9:55 a.m.
 Fischer, Harry, Thursday-086-3:05 p.m., Thursday-086-5:00 p.m.
 Fischer, Heather, Friday-033.5-1:10 p.m., Sunday-004-8:00 a.m., Saturday-084-3:05 p.m., Thursday-041-8:00 a.m.
 Fischer, Ryan, Saturday-043.2-8:00 a.m.
 Fish, Carolyn, Wednesday-032-12:40 p.m., Wednesday-032-2:35 p.m., Saturday-100-5:00 p.m., Wednesday-032-8:00 a.m.
 Fisher, Karen, Friday-086-5:00 p.m.
 Fitjar, Rune, Friday-100-9:55 a.m.
 Fitzgerald, Joan, Thursday-081-3:05 p.m., Friday-005-1:10 p.m.
 Fitzmaurice, Matilda, Saturday-098-5:00 p.m.
 Fitzwater, John, Thursday-089-9:55 a.m.
 Flahive, Robert, Wednesday-093-4:30 p.m.
 Flannery, Wesley, Friday-086-5:00 p.m.
 Flatley, William, Saturday-052-3:05 p.m.
 Fleischman, Forrest, Thursday-086-3:05 p.m., Thursday-086-5:00 p.m.
 Fleming, Grace, Friday-006-1:10 p.m.
 Fletchall, Ann, Thursday-026-9:55 a.m.
 Fletcher, Robert, Saturday-098-3:05 p.m., Friday-037-8:00 a.m.
 Flickinger, Devon, Thursday-043.4-9:55 a.m.
 Fligg, Robert, Wednesday-033-2:35 p.m.
 Flint, Colin, Friday-006-9:55 a.m.
 Flood, Jonathan, Friday-054-3:05 p.m.
 Flood, Michael, Thursday-033.5-8:00 a.m.
 Flores, Aaron, Thursday-004-1:10 p.m.
 Florinsky, Igor, Thursday-033.5-3:05 p.m.
 Fluckiger, Abbey, Saturday-043.3-9:55 a.m.
 Fogarty, Emily, Thursday-043.3-1:10 p.m.
 Folch, David, Friday-065-5:00 p.m., Thursday-087-3:05 p.m., Thursday-032-8:00 a.m.
 Foley, Brenna, Sunday-092-8:00 a.m.
 Foley, Daniel, Saturday-033.5-1:10 p.m.
 Fonstad, Mark, Friday-033.5-5:00 p.m.
 Font-Casaseca, Nuria, Wednesday-055-2:35 p.m.
 Fontes, Anthony, Friday-020-8:00 a.m., Friday-024-5:00 p.m.
 Foo, Katherine, Thursday-026-1:10 p.m.
 Foote, Kenneth, Thursday-010-8:00 a.m., Thursday-010-9:55 a.m.
 Foran, Robert, Friday-088-3:05 p.m.
 Forati, Amir MASoud, Saturday-066-1:10 p.m.
 Forbes, Allison, Friday-094-5:00 p.m.
 Forbes, Dolores Jane, Thursday-072-8:00 a.m.
 Forbes, Jonathan, Friday-043.3-9:55 a.m.
 Ford, Sophia, Thursday-037-8:00 a.m.
 Ford, Trent, Friday-061-8:00 a.m., Friday-061-9:55 a.m., Thursday-052-1:10 p.m.
 Ford, Victoria, Friday-052-9:55 a.m.
 Ford, William, Saturday-043.3-9:55 a.m.
 Forrest, Jacob, Friday-084-3:05 p.m.
 Forrest, James, Thursday-028-1:10 p.m.
 Forsyth, Tim, Sunday-041-8:00 a.m., Sunday-041-2:00 p.m.
 Foster, Alec, Saturday-040-5:00 p.m.
 Foster, Jennifer, Wednesday-093-4:30 p.m.
 Foster, Megan, Thursday-043.1-1:10 p.m.
 Fosu Amankwah, Agyapong, Friday-089-1:10 p.m.
 Foubert, Erin, Friday-039-1:10 p.m., Thursday-069-1:10 p.m., Friday-039-9:55 a.m., Thursday-031-5:00 p.m.
 Fowler, Christopher, Friday-065-5:00 p.m., Friday-004-1:10 p.m., Friday-089-5:00 p.m.
 Fox, David, Friday-043.1-9:55 a.m.
 Fox, Emma, Sunday-050-9:55 a.m., Sunday-050-2:00 p.m.
 Foy, Andrew, Friday-043.3-9:55 a.m., Saturday-031-8:00 a.m.
 Foyle, Anthony, Friday-043.4-3:05 p.m.
 Frake, April, Thursday-056-8:00 a.m.
 France, Derek, Thursday-016-3:05 p.m., Friday-069-8:00 a.m., Thursday-003-9:55 a.m., Thursday-043.3-1:10 p.m.
 Franck, Karen, Saturday-010-1:10 p.m.
 Franek, Benjamin, Friday-062-5:00 p.m.

PARTICIPANT INDEX

- Franklin, Matthew, Thursday-043.3-9:55 a.m.
 Franklin, Rachel, Thursday-086-8:00 a.m., Thursday-055-5:00 p.m.,
 Friday-089-5:00 p.m., Thursday-065-1:10 p.m., Friday-089-3:05 p.m.
 Franz, Cameron, Saturday-043.6-8:00 a.m.
 Franz, Gordon, Friday-019-3:05 p.m., Friday-019-1:10 p.m.
 Franzen, Sarah, Thursday-037-1:10 p.m.
 Fraser, Benjamin, Wednesday-087-9:55 a.m.
 Fratini, Chiara, Saturday-038-8:00 a.m.
 Fratsea, Loukia-Maria, Thursday-082-8:00 a.m., Saturday-001-9:55 a.m.
 Frauenfeld, Oliver, Thursday-072-9:55 a.m., Sunday-063-8:00 a.m.,
 Friday-052-8:00 a.m., Friday-052-9:55 a.m.
 Frazier, Amy, Thursday-067-5:00 p.m.
 Frazier, Emily, Thursday-009-8:00 a.m., Saturday-070-1:10 p.m.,
 Thursday-026-5:00 p.m.
 Frazier, John, Friday-026-3:05 p.m., Thursday-036-5:00 p.m.
 Fredericks, Margaret, Friday-069-5:00 p.m.
 Fredericks, Rosalind, Saturday-095-8:00 a.m., Friday-088-5:00 p.m.
 Fredriksen, Aurora, Wednesday-082-8:00 a.m.
 Freed, Chad, Thursday-043.2-9:55 a.m.
 Freidberg, Susanne, Thursday-093-1:10 p.m., Wednesday-031-4:30 p.m.
 Freiman, Elijah, Friday-043.1-9:55 a.m.
 Frempong, Foster, Friday-004-5:00 p.m.
 Frendo, Christina, Friday-016-3:05 p.m.
 FRENKEL, STEVE, Friday-099-5:00 p.m.
 Frenzel, Fabian, Wednesday-065-12:40 p.m., Friday-090-5:00 p.m.,
 Wednesday-065-2:35 p.m., Saturday-089-3:05 p.m.
 Freshour, Carrie, Thursday-101-9:55 a.m., Thursday-082-3:05 p.m.
 Fretigny, Jean-Baptiste, Sunday-024-3:55 p.m.
 Fricke, Carola, Thursday-095-9:55 a.m.
 Fricker, Tyler, Wednesday-073-2:35 p.m.
 Friedman, Michael, Wednesday-037-2:35 p.m.
 Friedrich, Hannah, Wednesday-049-8:00 a.m.
 Frimpong Boamah, Emmanuel, Saturday-093-1:10 p.m., Saturday-093-3:05 p.m.
 Fritschle, Joy, Thursday-027-1:10 p.m.
 Fritz, Bridgette, Thursday-066-8:00 a.m.
 Fritzsche, Lauren, Saturday-092-5:00 p.m.
 Froese, Rebecca, Saturday-063-3:05 p.m.
 Fry, Richard, Wednesday-055-12:40 p.m., Thursday-057-3:05 p.m.
 Frydenlund, Shae, Friday-002-8:00 a.m.
 Frye, John, Thursday-043.1-8:00 a.m.
 Fu, Cheng, Thursday-091-5:00 p.m., Thursday-072-8:00 a.m., Thursday-092-8:00 a.m.
 Fu, Chiung-Shiuan, Saturday-062-3:05 p.m., Friday-043.2-1:10 p.m.
 Fu, Peng, Thursday-058-9:55 a.m.
 Fu, Tingting, Saturday-028-1:10 p.m.
 Fu, Xin, Sunday-070-8:00 a.m.
 Fujii, Takehiko, Thursday-020-9:55 a.m.
 Fuller, Crispian, Saturday-092-8:00 a.m., Saturday-092-9:55 a.m.
 Fuller, Daniel, Thursday-090-8:00 a.m., Wednesday-067-4:30 p.m.,
 Sunday-060-3:55 p.m.
 Fuller, Matty, Wednesday-031-9:55 a.m.
 Fulton, Albert, Thursday-066-8:00 a.m.
 Funes, Jose, Wednesday-074-9:55 a.m.
 Fünfgeld, Hartmut, Thursday-035-8:00 a.m.
 Fung, Cadi, Saturday-065-5:00 p.m.
 Furness, Walter, Wednesday-068-4:30 p.m., Thursday-026-9:55 a.m.
 Furtado, Kimberly, Thursday-022-5:00 p.m.
 Furukawa, Elli, Saturday-072-9:55 a.m.
 Furukawa Marques, Dan, Sunday-051-8:00 a.m.
- Wednesday-037-2:35 p.m.
 Gagliano, Jamie, Saturday-043.3-8:00 a.m.
 Gaigalas, Juozas, Thursday-033.5-3:05 p.m.
 Gailloux, Chantal, Saturday-100-8:00 a.m.
 Galaskiewicz, Joseph, Saturday-081-3:05 p.m.
 Galeana, Fernando, Thursday-037-8:00 a.m.
 Galecki, Juliet, Saturday-087-5:00 p.m.
 Galgano, Francis, Saturday-023-5:00 p.m.
 Galindez, Kyle, Friday-063-3:05 p.m.
 Gallagher, Aisling, Saturday-006-1:10 p.m.
 Gallagher, Jacqueline, Thursday-008-8:00 a.m.
 Gallagher, Michael, Thursday-094-1:10 p.m.
 GALLAGHER, DANIEL, Saturday-063-5:00 p.m.
 Gallaher, Adam, Friday-064-1:10 p.m.
 Gallaher, Carolyn, Friday-020-8:00 a.m., Saturday-080-8:00 a.m.
 Gallaher, Courtney, Friday-043.3-1:10 p.m., Saturday-074-3:05 p.m.,
 Saturday-074-5:00 p.m.
 Gallemore, Caleb, Saturday-081-3:05 p.m.
 Gallo, Jason, Thursday-052-8:00 a.m.
 Galster, Josh, Thursday-033.5-8:00 a.m., Friday-043.4-8:00 a.m.
 Galvin, Mary, Sunday-072-8:00 a.m.
 Galvis, Juan, Saturday-012-8:00 a.m.
 Gamlen, Alan, Thursday-016-1:10 p.m.
 Gao, Jing, Thursday-060-8:00 a.m.
 Gao, Song, Sunday-063-2:00 p.m., Saturday-093-5:00 p.m., Thursday-027-5:00 p.m.,
 Friday-041-1:10 p.m., Friday-041-3:05 p.m., Thursday-032-8:00 a.m.,
 Wednesday-033.5-2:35 p.m.
 Gao, Yuan, Saturday-054-8:00 a.m., Wednesday-058-8:00 a.m.
 Gao, Yuhe, Friday-043.4-3:05 p.m.
 Gao, Yunxiao, Friday-099-8:00 a.m.
 GAO, Huihui, Thursday-006-8:00 a.m.
 GAO, YUAN, Saturday-054-8:00 a.m., Wednesday-058-8:00 a.m.
 GAO, YUQI, Sunday-063-2:00 p.m.
 Garbe, Lisa-Marie, Thursday-057-1:10 p.m.
 Garceau, Timothy, Friday-043.1-1:10 p.m.
 Garcia, Angelique, Friday-043.2-8:00 a.m.
 Garcia, Brian, Thursday-095-8:00 a.m.
 Garcia, Michelle,
 Garcia, Yesenia, Friday-043.1-1:10 p.m.
 Garcia, Magdalena, Wednesday-049-12:40 p.m.
 Garcia Chiang, Armando, Sunday-069-2:00 p.m.
 Garcia-Lopez, Gustavo, Friday-036-5:00 p.m.
 Gardener, Bradley, Saturday-025-9:55 a.m.
 Gares, Paul, Saturday-072-3:05 p.m.
 Garland, Michaela, Saturday-043.1-8:00 a.m., Thursday-017-9:55 a.m.,
 Wednesday-053-12:40 p.m.
 Garmica-Monroy, Ruben, Saturday-081-1:10 p.m.
 Garrah, Juno, Saturday-043.3-9:55 a.m.
 Garrett, Elizabeth, Saturday-043.2-8:00 a.m.
 Garrido, Sophia, Friday-043.1-3:05 p.m.
 Garrido Rojas, David, Friday-043.1-9:55 a.m.
 Garrison, Michala, Saturday-043.5-8:00 a.m., Thursday-043.1-8:00 a.m.
 Garrity, Colleen, Wednesday-083-2:35 p.m.
 Garside, Grace, Sunday-090-9:55 a.m.
 Gartner, Georg, Wednesday-032-9:55 a.m.
 Garton, Taylor, Saturday-057-9:55 a.m.
 Garvey, Kyla, Thursday-043.3-3:05 p.m.
 Gaskin, Mary-Grace, Friday-043.1-3:05 p.m.
 Gast, Laura, Saturday-063-8:00 a.m.
 Gasteyer, Stephen, Sunday-092-3:55 p.m.
 Gatarin, Gina, Thursday-034-5:00 p.m.
 Gaubatz, Piper, Friday-095-1:10 p.m.
 Gaughan, Andrea, Thursday-067-3:05 p.m., Saturday-073-1:10 p.m.,
 Saturday-101-5:00 p.m., Saturday-056-5:00 p.m., Thursday-043.4-9:55 a.m.
 Gaulin, Christopher, Thursday-043.1-8:00 a.m., Sunday-041-3:55 p.m.
 Gawlewicz, Anna, Friday-003-8:00 a.m., Friday-003-9:55 a.m., Friday-003-1:10 p.m.,
 Friday-003-3:05 p.m.
 Gay-Antaki, Miriam, Saturday-039-5:00 p.m.
 Gayle, Aron, Thursday-043.1-8:00 a.m.
- G**
- Gaab, Jeffrey, Thursday-043.3-1:10 p.m.
 Gaboardi, James, Sunday-063-2:00 p.m., Thursday-032-8:00 a.m.
 Gaddie, Keith, Friday-064-8:00 a.m.
 Gadema-Cooke, Zaina, Sunday-086-9:55 a.m.
 Gaete Reyes, Mariela, Saturday-004-9:55 a.m.
 Gaffey, Clare, Saturday-049-9:55 a.m., Thursday-043.4-9:55 a.m.
 Gaffney, Christopher, Thursday-102-1:10 p.m., Thursday-038-5:00 p.m.,

PARTICIPANT INDEX

- Gbadamosi, Kolawole, Wednesday-092-2:35 p.m.
 Ge, Xiaodan, Friday-088-1:10 p.m., Friday-020-9:55 a.m.
 Gearey, Mary, Thursday-050-1:10 p.m.
 Gebhardt, Christiane, Saturday-095-5:00 p.m.
 Gebresselassie, Mahtot, Friday-082-1:10 p.m.
 Gedalof, Ze'ev, Friday-043.1-3:05 p.m., Saturday-052-3:05 p.m.
 Geesey, Elizabeth, Thursday-043.1-8:00 a.m.
 Geffroy, Damien, Saturday-064-9:55 a.m.
 Geiger, Patrick, Saturday-083-1:10 p.m.
 Gelb, Jeremy, Wednesday-055-4:30 p.m.
 Gelbard, Sarah, Saturday-093-1:10 p.m., Wednesday-009-12:40 p.m.
 Geldin, Samuel, Saturday-061-3:05 p.m.
 Geng, Jing, Saturday-048-9:55 a.m.
 Gentile, Michael, Saturday-064-9:55 a.m.
 Georges, Katherine, Thursday-022-9:55 a.m.
 Gergan, Mabel, Thursday-005-1:10 p.m.
 Gerhard, Ulrike, Friday-081-8:00 a.m., Sunday-093-9:55 a.m.
 Gerlach, Joe, Friday-007-5:00 p.m.
 Gerlak, Andrea, Friday-050-8:00 a.m., Friday-050-9:55 a.m., Friday-050-1:10 p.m.
 Gerlofs, Ben, Thursday-031-1:10 p.m.
 Gerlowski, Lauren, Saturday-103-9:55 a.m.
 Germann Molz, Jennie, Wednesday-065-12:40 p.m., Wednesday-065-2:35 p.m.
 Geron, Nicholas, Wednesday-090-12:40 p.m.
 Gervais, Bruce, Friday-070-5:00 p.m.
 Geuijen, Karin, Friday-007-9:55 a.m.
 Geverdt, Doug, Thursday-064-9:55 a.m.
 Gharehchahi, Saeideh, Thursday-062-9:55 a.m.
 Gherhes, Cristian, Saturday-095-1:10 p.m., Sunday-088-9:55 a.m.
 Ghertner, D. Asher, Saturday-072-5:00 p.m., Friday-088-5:00 p.m., Sunday-084-2:00 p.m., Saturday-012-3:05 p.m.
 Ghimire, Rajiv, Thursday-018-8:00 a.m.
 Ghose, Rina, Saturday-023-8:00 a.m., Friday-036-3:05 p.m., Thursday-060-5:00 p.m.
 Ghosh, Debarchana, Wednesday-069-4:30 p.m., Saturday-053-9:55 a.m., Thursday-043.3-3:05 p.m.
 Ghosh, Shuvankar,
 Ghosh, Sudeshna, Saturday-043.3-9:55 a.m.
 Ghosh, Swarnabh, Saturday-081-8:00 a.m.
 Ghosh, Tilottama, Wednesday-054-12:40 p.m.
 Giangrande, Michael, Friday-074-1:10 p.m.
 Giannakis, Panagiotis, Friday-091-8:00 a.m.
 Gibadullina, Albina, Sunday-020-8:00 a.m., Thursday-060-5:00 p.m.
 Giband, David, Friday-025-3:05 p.m.
 Gibbs, David, Thursday-083-8:00 a.m., Friday-026-9:55 a.m., Saturday-062-3:05 p.m.
 Gibson, Chris, Saturday-005-1:10 p.m., Sunday-038-3:55 p.m., Friday-001-5:00 p.m.
 Giddy, Julia, Wednesday-065-12:40 p.m., Friday-090-5:00 p.m., Wednesday-065-2:35 p.m.
 Gidley, Susan, Thursday-069-9:55 a.m., Friday-069-9:55 a.m.
 Giefer, Madeline, Saturday-101-5:00 p.m.
 Giesa, Kathryn, Thursday-043.1-8:00 a.m.
 Gieseking, Jack, Wednesday-088-9:55 a.m., Friday-031-5:00 p.m., Wednesday-003-4:30 p.m., Saturday-098-9:55 a.m.
 Gifford, Lauren, Friday-009-8:00 a.m., Sunday-048-9:55 a.m.
 Giglioli, Ilaria, Friday-017-1:10 p.m., Saturday-064-8:00 a.m., Thursday-012-8:00 a.m.
 Gila, Nomonde, Saturday-043.3-9:55 a.m.
 Gilbert, David, Wednesday-031-12:40 p.m.
 Gilbert, Emily, Sunday-067-2:00 p.m., Friday-031-9:55 a.m., Saturday-073-5:00 p.m.
 Gilbert, Jessica, Friday-017-9:55 a.m., Thursday-028-9:55 a.m., Thursday-101-5:00 p.m.
 Gilbert, Melissa, Friday-031-5:00 p.m.
 Gilbertson, Philip, Thursday-063-8:00 a.m., Thursday-063-9:55 a.m.
 Gill, Nathan, Thursday-069-8:00 a.m., Thursday-027-9:55 a.m.
 Gilley, Jessey, Friday-034-3:05 p.m.
 Gilliam, Cortland, Saturday-027-3:05 p.m.
 Gilliam, Shea, Saturday-069-8:00 a.m., Friday-074-9:55 a.m.
 Gillin, Kramer, Friday-072-9:55 a.m., Wednesday-047-4:30 p.m.
 Gillis, John, Thursday-099-5:00 p.m.
 Gilmartin, Mary, Sunday-067-9:55 a.m., Thursday-082-9:55 a.m., Sunday-081-2:00 p.m.
 Gilmer, Brittany, Thursday-066-5:00 p.m., Thursday-039-8:00 a.m.
 Gilmore, Ruth, Saturday-072-5:00 p.m., Saturday-026-9:55 a.m.
 Ginart, Lourdes, Thursday-088-5:00 p.m., Saturday-016-3:05 p.m.
 Ginn, Franklin, Saturday-067-8:00 a.m., Thursday-024-3:05 p.m.
 Giuliani, Elisa, Friday-094-5:00 p.m.
 Givental, Elena, Friday-022-8:00 a.m.
 Glaeser, Emily, Thursday-043.1-3:05 p.m.
 Glass, Eric, Saturday-080-9:55 a.m.
 Glass, Michael, Saturday-080-8:00 a.m., Saturday-080-9:55 a.m., Friday-022-3:05 p.m.
 Glassman, Jim, Friday-061-5:00 p.m.
 Glaze, Johnathan, Thursday-021-5:00 p.m.
 Gleeson, Erin, Friday-072-1:10 p.m.
 Glorius, Birgit, Friday-007-3:05 p.m., Thursday-026-5:00 p.m.
 Glover, Troy, Sunday-024-3:55 p.m., Friday-023-5:00 p.m.
 Glover, Will, Friday-018-9:55 a.m.
 Glückler, Johannes, Saturday-050-8:00 a.m., Friday-092-1:10 p.m., Friday-100-1:10 p.m., Wednesday-081-12:40 p.m.
 Glynn, Kevin, Friday-084-3:05 p.m.
 Gnoza, Hannah, Friday-043.4-8:00 a.m.
 Gocmen, Asli, Wednesday-039-9:55 a.m.
 Goddard, Jessica, Sunday-092-3:55 p.m.
 Godfrey, Brian, Wednesday-038-12:40 p.m., Thursday-074-3:05 p.m.
 Goel, Varun, Wednesday-058-4:30 p.m.
 Goerisch, Denise, Friday-057-3:05 p.m., Thursday-083-9:55 a.m.
 Goetz, Andrew, Wednesday-066-12:40 p.m., Wednesday-066-4:30 p.m.
 Goffe, Rachel, Saturday-004-3:05 p.m., Saturday-004-5:00 p.m.
 Goh, Kian, Friday-063-3:05 p.m., Saturday-038-9:55 a.m., Wednesday-084-4:30 p.m.
 Goharipour, Hamed, Wednesday-086-12:40 p.m.
 Gokariksel, Banu, Friday-099-9:55 a.m., Friday-035-1:10 p.m., Friday-035-3:05 p.m., Friday-019-5:00 p.m., Saturday-088-5:00 p.m.
 Goldberg, Brett, Sunday-019-8:00 a.m., Thursday-053-8:00 a.m.
 Goldberg, Meryll, Friday-023-5:00 p.m., Thursday-100-5:00 p.m.
 Goldberg, Zachary, Saturday-067-1:10 p.m., Saturday-043.6-8:00 a.m.
 Golden, Laurel, Saturday-103-5:00 p.m.
 Golden Kroner, Rachel, Saturday-035-1:10 p.m.
 Goldfischer, Eric, Sunday-061-8:00 a.m., Saturday-032-9:55 a.m., Sunday-061-9:55 a.m.
 Goldman, Mara, Thursday-088-3:05 p.m., Friday-035-9:55 a.m.
 Goldman, William, Thursday-043.1-8:00 a.m.
 Goldstein, Benjamin, Sunday-091-9:55 a.m., Sunday-091-8:00 a.m.
 Goldstein, Jenny, Sunday-020-8:00 a.m., Thursday-054-8:00 a.m., Thursday-054-9:55 a.m., Friday-035-8:00 a.m.
 Goldstein, Jesse, Saturday-067-3:05 p.m., Saturday-067-5:00 p.m.
 Goldstein, Kirsten, Thursday-004-1:10 p.m.
 Goldstein, Shoshana, Friday-018-1:10 p.m.
 Gollnow, Florian, Saturday-035-1:10 p.m.
 Golosov, Nikolay, Wednesday-032-8:00 a.m.
 Golosova, Elena, Wednesday-033-2:35 p.m.
 Gomba, Claire, Friday-087-8:00 a.m.
 Gong, Huiwen, Saturday-095-1:10 p.m., Saturday-095-3:05 p.m., Saturday-095-5:00 p.m.
 Gong, Jianya, Friday-005-3:05 p.m.
 Gong, Peng, Thursday-061-8:00 a.m., Friday-056-3:05 p.m., Friday-053-1:10 p.m.
 Gong, Xi, Thursday-043.2-3:05 p.m., Friday-055-5:00 p.m.
 Gong, Zhaoya, Thursday-018-1:10 p.m., Saturday-050-9:55 a.m.
 Gonick, Sophie, Sunday-051-8:00 a.m.
 Gonsoroski, Elaina, Sunday-057-9:55 a.m.
 Gonzalez, Daniel, Saturday-012-1:10 p.m., Friday-088-9:55 a.m.
 Gonzalez Rivas, Marcela, Saturday-100-3:05 p.m.
 Gonzalez Roglich, Mariano, Wednesday-054-12:40 p.m.
 Good, Ryan, Saturday-060-1:10 p.m., Saturday-027-3:05 p.m.
 Goodbrand, Nicole, Saturday-043.3-9:55 a.m.
 Goodchild, Michael, Thursday-065-5:00 p.m., Saturday-031-8:00 a.m., Friday-041-1:10 p.m., Friday-081-5:00 p.m., Saturday-091-9:55 a.m., Thursday-035-9:55 a.m.
 Goodling, Erin, Thursday-067-8:00 a.m., Friday-016-9:55 a.m., Thursday-084-3:05 p.m., Thursday-084-9:55 a.m., Thursday-084-1:10 p.m.
 Goodman, Seth, Thursday-097-5:00 p.m.
 Goodwin-White, Jamie, Friday-100-9:55 a.m., Friday-089-5:00 p.m.
 Gordon, Henrick, Thursday-043.1-8:00 a.m.
 Gordon, Joe, Friday-083-1:10 p.m.
 Gordon, Michael, Saturday-061-9:55 a.m.
 Gordon, Steve, Thursday-043.1-8:00 a.m.

PARTICIPANT INDEX

- Gorecki, Julie, Friday-083-8:00 a.m.
 Gorman, Cynthia, Wednesday-070-8:00 a.m., Saturday-043.3-8:00 a.m.
 Gorman, Timothy, Sunday-058-9:55 a.m., Sunday-058-2:00 p.m., Sunday-058-3:55 p.m.
 Goslin, Matthew, Wednesday-056-9:55 a.m.
 Gosnell, Hannah, Friday-066-3:05 p.m., Friday-066-5:00 p.m., Thursday-090-5:00 p.m., Saturday-054-5:00 p.m., Wednesday-054-4:30 p.m., Thursday-065-9:55 a.m.
 Goto, Erica, Friday-034-3:05 p.m., Sunday-063-9:55 a.m.
 Gough, Katherine, Wednesday-012-4:30 p.m.
 Gould, Holly, Friday-069-5:00 p.m.
 Gould, Kevin, Thursday-004-8:00 a.m.
 Gould, Michael, Thursday-083-9:55 a.m.
 Gounaridis, Dimitrios, Sunday-091-9:55 a.m.
 Gourley, Julia, Thursday-055-1:10 p.m.
 Goyette, Kiley, Wednesday-041-4:30 p.m.
 Grabowski, Zbigniew, Friday-050-8:00 a.m., Friday-050-9:55 a.m., Friday-050-1:10 p.m.
 Grace, Kathryn, Friday-089-5:00 p.m., Thursday-088-1:10 p.m.
 Graddy-Lovell, Garrett, Wednesday-035-4:30 p.m., Friday-020-8:00 a.m., Wednesday-051-12:40 p.m., Sunday-061-3:55 p.m., Sunday-019-2:00 p.m., Wednesday-035-2:35 p.m., Friday-027-1:10 p.m.
 Grady, Sue, Thursday-043.2-3:05 p.m., Thursday-057-3:05 p.m.
 Granco, Gabriel, Wednesday-058-12:40 p.m.
 Grandi, Silvia, Saturday-064-8:00 a.m., Friday-097-1:10 p.m.
 Grant, Amber, Wednesday-090-12:40 p.m.
 Grant, Andrew, Friday-006-8:00 a.m., Sunday-048-2:00 p.m., Sunday-048-3:55 p.m.
 Grant, Richard, Wednesday-012-4:30 p.m., Wednesday-094-9:55 a.m., Thursday-092-8:00 a.m.
 Grant, Shelley, Sunday-090-3:55 p.m., Friday-016-1:10 p.m.
 Grant, Sonia, Friday-086-1:10 p.m.
 Gras-Velazquez, Adrian, Wednesday-086-8:00 a.m.
 Graupner, Gerhart, Sunday-069-9:55 a.m.
 Graves, Scott, Thursday-043.2-9:55 a.m.
 Graves, William, Saturday-003-5:00 p.m.
 Gray, Margaret, Friday-100-5:00 p.m.
 Gray, Mia, Saturday-087-9:55 a.m.
 Gray, Noella, Friday-061-1:10 p.m., Saturday-016-3:05 p.m., Sunday-041-9:55 a.m.
 Gray, Summer, Friday-009-8:00 a.m., Friday-034-3:05 p.m.
 Graybill, Jessica, Thursday-005-8:00 a.m., Saturday-019-8:00 a.m., Saturday-019-3:05 p.m., Friday-057-1:10 p.m.
 Graziani, Terra, Sunday-061-2:00 p.m., Sunday-006-9:55 a.m.
 Greco, Elisa, Friday-012-8:00 a.m., Friday-012-9:55 a.m.
 Green, Amelia, Friday-006-3:05 p.m.
 Green, Anne, Saturday-092-1:10 p.m.
 Green, Melanie, Wednesday-067-12:40 p.m.
 Green, Rebecca, Friday-025-5:00 p.m.
 Green, W. Nathan, Saturday-094-8:00 a.m., Saturday-094-9:55 a.m., Saturday-094-1:10 p.m.
 Greenberg, Miriam, Sunday-020-8:00 a.m.
 Greene, Christina, Thursday-088-5:00 p.m., Saturday-063-1:10 p.m.
 Greene, Richard, Friday-043.3-1:10 p.m.
 Greenwood, Verity, Sunday-057-3:55 p.m.
 Greer, Kirsten, Friday-047-1:10 p.m., Friday-008-5:00 p.m.
 Gregory, Meredith, Thursday-062-3:05 p.m.
 Greig, Clara, Thursday-055-3:05 p.m.
 Greiner, Alyson, Thursday-027-3:05 p.m.
 Gress, Gary, Friday-039-1:10 p.m., Friday-043.3-9:55 a.m.
 Gribb, William, Friday-093-1:10 p.m.
 Grier, Laura, Saturday-074-5:00 p.m.
 Griffin, Duane, Saturday-084-9:55 a.m.
 Griffin, Jessica, Friday-043.1-3:05 p.m.
 Griffin, Michael, Sunday-069-2:00 p.m.
 Griffin, Troy, Thursday-043.1-8:00 a.m.
 Griffin, Tyneshia, Saturday-033.5-1:10 p.m.
 Griffith, Carly, Friday-022-1:10 p.m.
 Griffith, Daniel, Thursday-054-1:10 p.m., Thursday-087-3:05 p.m.
 Griffiths, Mark, Thursday-004-8:00 a.m., Thursday-004-9:55 a.m.
 Grin, Petr, Friday-043.2-9:55 a.m.
 Grindsted, Thomas, Wednesday-092-9:55 a.m.
 Grinstead, Julie, Thursday-043.2-3:05 p.m.
 Grip, Lena, Friday-007-3:05 p.m.
 Gridale, Sean, Wednesday-065-12:40 p.m.
 Gritzner, Janet, Saturday-025-3:05 p.m.
 Gritzner, Jeffrey, Saturday-091-5:00 p.m.
 Grobelski, Tiffany, Saturday-007-5:00 p.m.
 Grolling, Dave, Friday-057-8:00 a.m.
 Gross, Darren, Sunday-064-3:55 p.m.
 Gross, John, Saturday-033.5-8:00 a.m.
 Grote, Katie, Wednesday-057-2:35 p.m.
 Grote, Michael, Thursday-080-1:10 p.m.
 Groth, Aaron, Friday-062-8:00 a.m.
 Groth, Soeren, Saturday-097-5:00 p.m.
 Grove, Kevin, Wednesday-048-4:30 p.m., Wednesday-084-12:40 p.m., Thursday-012-9:55 a.m., Friday-036-5:00 p.m.
 Growe, Anna, Friday-064-9:55 a.m., Wednesday-094-8:00 a.m., Wednesday-094-9:55 a.m.
 Grudzinski, Bartosz, Friday-043.1-3:05 p.m., Saturday-065-9:55 a.m.
 Grundstein, Andrew, Thursday-058-9:55 a.m.
 Gu, Hao, Friday-090-1:10 p.m.
 GU, ZHONGHUA, Friday-028-1:10 p.m.
 Guan, Wendy, Friday-033-9:55 a.m.
 Guandong, Su, Sunday-068-3:55 p.m.
 Guarneros-Meza, Valeria, Wednesday-087-8:00 a.m., Thursday-057-5:00 p.m.
 Guayara Sanchez, Consuelo, Wednesday-088-8:00 a.m.
 Guderjan, Thomas, Friday-054-9:55 a.m.
 Guerra, Vanessa, Friday-089-8:00 a.m.
 Guerrero, Perla, Saturday-089-5:00 p.m., Saturday-026-8:00 a.m.
 Guhl, Andres, Thursday-033.5-5:00 p.m.
 Guhlincoszi, Aida, Thursday-060-3:05 p.m.
 GUI, Qinchang, Friday-091-1:10 p.m., Thursday-024-5:00 p.m., Sunday-086-8:00 a.m.
 Guida, Ross, Friday-043.4-3:05 p.m.
 Guidimadjegbe, Segnide, Friday-043.3-1:10 p.m.
 Guidry, Courtney, Friday-043.4-8:00 a.m.
 Guillard, Severin, Friday-095-9:55 a.m., Saturday-041-8:00 a.m., Thursday-100-5:00 p.m., Saturday-041-9:55 a.m.
 Guinn, Trevor, Saturday-043.3-9:55 a.m.
 Guizlo, Mark, Saturday-003-3:05 p.m., Friday-026-8:00 a.m.
 Guldäker, Nicklas, Saturday-049-1:10 p.m.
 Gulsrud, Natalie, Wednesday-090-2:35 p.m., Friday-050-9:55 a.m.
 Gulyamova, Lola, Friday-009-9:55 a.m.
 Gum, Heidi, Friday-043.5-8:00 a.m.
 Gunasti, Jonathan, Thursday-057-8:00 a.m.
 Guneralp, Burak, Thursday-065-8:00 a.m., Friday-066-9:55 a.m., Saturday-054-5:00 p.m., Wednesday-054-4:30 p.m., Thursday-065-9:55 a.m., Friday-043.3-3:05 p.m.
 Guneralp, Inci, Saturday-065-8:00 a.m., Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m., Saturday-065-9:55 a.m., Saturday-065-3:05 p.m., Friday-043.3-3:05 p.m.
 Gunson, Bryce, Friday-043.3-1:10 p.m.
 Guo, Chenxiao (Atlas), Thursday-036-8:00 a.m.
 Guo, Huagui, Wednesday-058-4:30 p.m.
 Guo, Jie, Saturday-086-1:10 p.m.
 Guo, Kailu, Friday-099-8:00 a.m.
 Guo, Liying, Saturday-020-5:00 p.m.
 Guo, Wen, Wednesday-034-12:40 p.m.
 Guo, Xiwei, Friday-043.4-8:00 a.m.
 GUO, YI, Sunday-053-9:55 a.m.
 GUO, Yuanyuan, Thursday-091-5:00 p.m.
 Gupta, Jyoti, Sunday-052-2:00 p.m.
 Gupta, Pallavi, Thursday-095-1:10 p.m., Saturday-039-3:05 p.m.
 Gura, Colleen, Friday-049-1:10 p.m.
 Gurung, Tashi, Friday-043.5-8:00 a.m.
 Gururani, Shubhra, Friday-018-8:00 a.m., Friday-018-9:55 a.m.
 Gusterson, Hugh, Saturday-024-8:00 a.m.
 Gutberlet, Manuela, Thursday-102-3:05 p.m., Wednesday-073-4:30 p.m.
 Guth, Denis, Thursday-020-5:00 p.m.
 Guthman, Julie, Friday-031-1:10 p.m., Saturday-067-1:10 p.m., Friday-073-5:00 p.m.
 Gutierrez, Oscar, Thursday-007-9:55 a.m.
 Guvenc, Sabrina, Friday-088-1:10 p.m.
 Guz, Jaclyn, Friday-068-3:05 p.m., Friday-067-9:55 a.m.
 Gyawali, Buddhi, Saturday-043.1-8:00 a.m., Thursday-058-5:00 p.m.,

PARTICIPANT INDEX

Friday-049-5:00 p.m., Thursday-043.4-9:55 a.m.
 Gyimothy, Szilvia, Friday-037-8:00 a.m., Wednesday-073-4:30 p.m.
 Gyuris, Ferenc, Friday-100-1:10 p.m., Thursday-005-8:00 a.m., Saturday-025-1:10 p.m.

H

Ha, Dr. Hoehun, Wednesday-058-4:30 p.m.
 Ha, Hoehun, Wednesday-058-4:30 p.m., Friday-056-8:00 a.m.
 Ha, Hui Jeong, Wednesday-067-9:55 a.m.
 Ha, Hung, Friday-062-5:00 p.m.
 Haas, Oded, Saturday-047-3:05 p.m.
 Haas, Tigran, Thursday-095-8:00 a.m., Sunday-025-2:00 p.m.
 Habich-Sobiegalia, Sabrina, Saturday-016-5:00 p.m.
 Habron, Geoffrey, Saturday-058-5:00 p.m.
 Hachadoorian, Lee, Saturday-008-3:05 p.m., Saturday-016-8:00 a.m.
 Haendeler, Jens, Friday-060-1:10 p.m., Saturday-024-3:05 p.m.
 Haffner, Matthew, Friday-057-3:05 p.m., Friday-091-8:00 a.m., Saturday-043.7-8:00 a.m.
 Hafley, Taylor, Saturday-080-8:00 a.m.
 Hage, Ghassan, Friday-004-8:00 a.m.
 Hagedorn, Benjamin, Saturday-052-3:05 p.m.
 Hagen, Joshua, Wednesday-038-12:40 p.m., Wednesday-038-8:00 a.m., Thursday-065-3:05 p.m., Wednesday-038-9:55 a.m.
 Hagge, Patrick, Friday-074-3:05 p.m.
 Haggerty, Kelly, Thursday-024-9:55 a.m.
 Hahn, Barbara, Thursday-016-8:00 a.m.
 Haila, Anne, Friday-039-3:05 p.m., Friday-039-5:00 p.m.
 Haji Molana, Hanieh, Friday-026-3:05 p.m., Sunday-023-9:55 a.m.
 Hakkenberg, Christopher, Sunday-062-8:00 a.m., Sunday-062-9:55 a.m.
 Hakli, Jouni, Saturday-093-3:05 p.m.
 Hales, Billy, Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m., Saturday-065-9:55 a.m., Friday-066-9:55 a.m., Saturday-065-3:05 p.m.
 Hall, Billy, Sunday-051-9:55 a.m.
 Hall, Dorothy, Saturday-073-8:00 a.m., Saturday-057-1:10 p.m.
 Hall, Jaclyn, Saturday-062-3:05 p.m., Wednesday-056-12:40 p.m.
 Hall, Jonathan, Friday-043.1-3:05 p.m., Friday-043.5-8:00 a.m., Friday-098-5:00 p.m., Friday-070-1:10 p.m., Sunday-019-2:00 p.m., Sunday-064-3:55 p.m.
 Hall, Katharine, Sunday-067-2:00 p.m., Saturday-098-5:00 p.m.
 Hall, Sarah, Friday-034-3:05 p.m., Saturday-097-1:10 p.m., Wednesday-003-2:35 p.m., Thursday-023-1:10 p.m.
 Hallemeier, Jonathan, Sunday-081-8:00 a.m.
 Halls, Joanne, Thursday-043.2-3:05 p.m., Thursday-058-3:05 p.m., Friday-033.5-3:05 p.m., Wednesday-033.5-4:30 p.m.
 Halvorsen, Sam, Friday-008-8:00 a.m., Saturday-089-3:05 p.m., Thursday-102-8:00 a.m.
 Halvorson, Sarah, Friday-072-8:00 a.m.
 Hamdan, Ali, Saturday-061-8:00 a.m., Saturday-073-3:05 p.m.
 Hamerlinck, Jeffrey, Friday-086-3:05 p.m., Saturday-025-9:55 a.m.
 Hamilton, Aretina, Friday-070-8:00 a.m., Friday-098-3:05 p.m., Friday-068-5:00 p.m., Saturday-012-5:00 p.m., Thursday-037-5:00 p.m.
 Hamilton, Lawrence, Friday-087-3:05 p.m., Thursday-082-5:00 p.m.
 Hamilton, Matthew, Sunday-068-8:00 a.m.
 Hamilton, Trina, Friday-094-8:00 a.m.
 Hamlin, Madeleine, Friday-063-8:00 a.m., Friday-063-9:55 a.m.
 Hamlin, Samantha, Wednesday-090-9:55 a.m., Saturday-043.3-9:55 a.m.
 Hammel, Daniel, Thursday-080-5:00 p.m., Thursday-021-8:00 a.m., Wednesday-069-9:55 a.m., Thursday-069-9:55 a.m., Friday-069-9:55 a.m., Saturday-069-9:55 a.m.
 Hammelman, Colleen, Thursday-101-3:05 p.m., Thursday-101-1:10 p.m., Thursday-101-5:00 p.m.
 Hammond, Timur, Friday-043.1-9:55 a.m., Thursday-033-3:05 p.m.
 Hampstead, Haley, Friday-043.1-3:05 p.m., Thursday-009-8:00 a.m.
 Hamraie, Aimi, Saturday-018-3:05 p.m., Saturday-018-5:00 p.m.
 Han, Haoying, Friday-081-1:10 p.m.
 Han, Mengqu, Friday-043.1-3:05 p.m., Friday-043.4-8:00 a.m.
 Han, Rui, Thursday-092-8:00 a.m.
 Han, Sung-Mi, Wednesday-038-9:55 a.m.
 Han, Zhangang, Thursday-025-3:05 p.m., Saturday-054-8:00 a.m.
 HAN, SU, Thursday-098-5:00 p.m., Thursday-090-8:00 a.m., Wednesday-067-4:30 p.m.
 HAN, XIAO, Friday-058-9:55 a.m.
 Hancock, Christopher, Thursday-043.1-8:00 a.m.
 Hanes, Samuel, Sunday-058-9:55 a.m., Saturday-009-9:55 a.m.
 Hane-Weijman, Emelie, Thursday-081-8:00 a.m.
 Haney, Jennifer, Friday-087-1:10 p.m., Friday-043.3-3:05 p.m.
 Hanhardt, Christina, Wednesday-003-4:30 p.m.
 Hanjagi, Ashok, Saturday-043.3-9:55 a.m.
 Hankins, Katherine, Sunday-025-8:00 a.m., Friday-038-3:05 p.m., Sunday-004-9:55 a.m., Thursday-027-9:55 a.m., Thursday-027-8:00 a.m., Saturday-043.3-9:55 a.m.
 Hanna, Stephen, Thursday-033-9:55 a.m.
 Hannah, Corrie, Friday-066-1:10 p.m.
 Hannah, Matthew, Wednesday-086-8:00 a.m., Friday-007-1:10 p.m., Saturday-090-8:00 a.m.
 Hannonen, Olga, Friday-022-8:00 a.m.
 Hannum, Kathryn, Wednesday-038-9:55 a.m.
 Hannun, Marya, Thursday-053-8:00 a.m.
 Hanrahan, Emily, Thursday-043.1-8:00 a.m.
 Hanrahan, Kelsey, Thursday-070-8:00 a.m., Saturday-069-8:00 a.m.
 Hansen, Ellen, Thursday-016-3:05 p.m.
 Hanson, John, Saturday-081-5:00 p.m.
 Hantel, Max, Sunday-055-8:00 a.m.
 Hanway, Veronica, Thursday-022-1:10 p.m.
 Hao, Huili, Saturday-048-8:00 a.m.
 Haque, Sarah, Thursday-043.7-1:10 p.m.
 Haralson, Joshua, Friday-043.4-1:10 p.m.
 Harati, Saeed, Wednesday-054-2:35 p.m.
 Harbor, Jonathan, Friday-039-1:10 p.m.
 Harbor, Lucy, Saturday-005-9:55 a.m.
 Harcourt, Rachel, Thursday-088-5:00 p.m.
 Hardbarger, Tiffanie, Wednesday-033-4:30 p.m.
 Harden, Carol, Thursday-054-5:00 p.m., Wednesday-052-4:30 p.m.
 Hardill, Irene, Thursday-100-1:10 p.m., Thursday-100-3:05 p.m.
 Hardley, Jess, Thursday-034-1:10 p.m.
 Hardy, Dean, Thursday-084-3:05 p.m., Friday-040-5:00 p.m., Thursday-084-1:10 p.m., Thursday-082-5:00 p.m.
 Harilal, Vyasha, Saturday-005-9:55 a.m.
 Harker, Christopher, Sunday-090-8:00 a.m., Thursday-095-3:05 p.m.
 Harlan, Tyler, Sunday-040-8:00 a.m., Thursday-038-9:55 a.m., Saturday-032-8:00 a.m., Saturday-032-9:55 a.m., Saturday-032-1:10 p.m.
 Harley, Alicia, Saturday-101-5:00 p.m.
 Harley, Grant, Friday-043.1-3:05 p.m., Thursday-092-9:55 a.m., Saturday-052-8:00 a.m., Thursday-052-9:55 a.m., Saturday-052-5:00 p.m.
 Harnett, Elizabeth, Sunday-036-2:00 p.m.
 Harrington, Elise, Saturday-082-3:05 p.m., Thursday-064-1:10 p.m.
 Harrington, John, Thursday-062-5:00 p.m.
 Harrington, Lisa, Friday-043.3-1:10 p.m.
 Harris, Dylan, Wednesday-092-12:40 p.m., Saturday-001-3:05 p.m., Saturday-016-1:10 p.m.
 Harris, Ella, Sunday-061-8:00 a.m., Friday-084-5:00 p.m., Friday-016-8:00 a.m.
 Harris, Emily, Thursday-043.1-8:00 a.m., Saturday-072-9:55 a.m.
 Harris, Jack, Friday-001-1:10 p.m.
 Harris, Leila, Wednesday-087-12:40 p.m., Thursday-052-5:00 p.m.
 Harris, Lucas, Thursday-094-8:00 a.m., Thursday-094-9:55 a.m., Thursday-094-1:10 p.m.
 Harris, Marvena, Wednesday-073-12:40 p.m.
 Harris, Matthew, Saturday-040-3:05 p.m.
 Harris, Michaela, Friday-056-8:00 a.m.
 Harris, Michelle, Saturday-072-1:10 p.m.
 Harris, Ryley, Thursday-023-9:55 a.m.
 Harris, Sarah, Wednesday-049-2:35 p.m.
 Harrison, Conor, Friday-092-8:00 a.m., Thursday-038-1:10 p.m.
 Harrison, Jill, Thursday-084-9:55 a.m.
 Hart, Gillian, Friday-031-9:55 a.m., Friday-018-8:00 a.m.
 Hartford, Mary, Saturday-043.3-8:00 a.m.
 Hartman, Georgia, Friday-097-3:05 p.m.
 Hartman, Julian, Wednesday-012-2:35 p.m.
 Hartmann, Rudi, Friday-004-9:55 a.m.
 Hartnett, Justin, Thursday-043.1-8:00 a.m.
 Harun, S M Rafael, Wednesday-092-2:35 p.m.
 Haruna, Mairo, Thursday-021-8:00 a.m.
 Harvey, Francis, Saturday-100-5:00 p.m.

PARTICIPANT INDEX

- Harwood, Stacy, Friday-003-9:55 a.m.
 Hasan, Adam, Friday-043.1-9:55 a.m.
 Hasenkamp, Miao-ling, Thursday-026-5:00 p.m.
 Hashimoto, Yui, Sunday-066-3:55 p.m., Sunday-061-9:55 a.m., Saturday-098-8:00 a.m.
 Hass, Alisa, Friday-048-8:00 a.m., Friday-063-5:00 p.m., Wednesday-072-12:40 p.m.
 Hassan, Ameen, Sunday-092-8:00 a.m.
 Hassan, Mohammad Mehedy, Saturday-062-3:05 p.m.
 Hassan, Neil, Thursday-031-8:00 a.m.
 Hasse, John, Thursday-033.5-9:55 a.m.
 Hassink, Robert, Saturday-095-1:10 p.m., Saturday-095-3:05 p.m., Saturday-095-5:00 p.m.
 Hatami, Faizeh, Friday-019-9:55 a.m.
 Hatna, Erez, Saturday-057-8:00 a.m.
 Hatzis, Joshua, Wednesday-073-2:35 p.m.
 Hauck, Carson, Thursday-043.3-9:55 a.m.
 Hauser, Annalise, Thursday-043.1-8:00 a.m.
 Hauser, Miles, Saturday-043.3-9:55 a.m.
 Hausermann, Heidi, Friday-034-9:55 a.m., Thursday-068-5:00 p.m., Friday-031-3:05 p.m., Wednesday-074-12:40 p.m., Wednesday-074-2:35 p.m., Friday-027-1:10 p.m., Friday-100-5:00 p.m., Friday-060-8:00 a.m.
 Haus-Reve, Silje, Friday-100-9:55 a.m., Wednesday-081-12:40 p.m.
 Havas, Clemens, Friday-043.4-3:05 p.m.
 Havice, Elizabeth, Friday-061-1:10 p.m., Friday-061-3:05 p.m., Saturday-073-9:55 a.m., Saturday-041-1:10 p.m., Saturday-041-3:05 p.m., Saturday-041-5:00 p.m.
 Havlick, David, Saturday-043.3-8:00 a.m.
 Hawes, Jason, Sunday-001-8:00 a.m.
 Hawkins, Harriet, Thursday-026-1:10 p.m., Thursday-026-3:05 p.m., Saturday-080-3:05 p.m.
 Hawkins, Michael, Wednesday-037-4:30 p.m.
 Hawkins, Roberta, Thursday-034-3:05 p.m., Friday-094-9:55 a.m.
 Hawkins, Timothy, Wednesday-072-9:55 a.m.
 Hawks, Nicole, Thursday-043.5-1:10 p.m.
 Hawley, Dawn, Friday-043.3-9:55 a.m.
 Hawn, Christine, Thursday-067-8:00 a.m., Thursday-084-5:00 p.m.
 Hawthorne, Camilla, Wednesday-088-9:55 a.m., Saturday-035-9:55 a.m., Friday-017-1:10 p.m.
 Hawthorne, Timothy, Friday-067-9:55 a.m., Friday-043.4-1:10 p.m., Saturday-040-5:00 p.m., Sunday-004-8:00 a.m., Sunday-004-9:55 a.m., Saturday-072-8:00 a.m., Friday-025-5:00 p.m., Friday-086-5:00 p.m.
 Hayden, Carla, Friday-002-11:45 a.m.
 Hayes, Matthew, Saturday-074-8:00 a.m.
 Hayes-Conroy, Allison, Thursday-060-1:10 p.m., Saturday-016-1:10 p.m.
 Hayes-Conroy, Jessica, Thursday-068-5:00 p.m., Saturday-069-8:00 a.m.
 Haynes, David, Friday-055-8:00 a.m.
 Haynes, Kingsley, Saturday-103-1:10 p.m.
 Haynes, Madeleine, Wednesday-056-12:40 p.m.
 He, Canfei, Friday-056-9:55 a.m., Thursday-081-9:55 a.m., Thursday-086-1:10 p.m.
 He, Chansheng, Friday-061-9:55 a.m.
 He, Gengen, Saturday-091-3:05 p.m.
 He, Jianhua, Friday-049-8:00 a.m.
 He, Jinliao, Wednesday-034-9:55 a.m.
 He, Liu, Saturday-062-1:10 p.m.
 He, Shenjing, Saturday-036-1:10 p.m., Saturday-036-3:05 p.m., Friday-090-8:00 a.m., Friday-090-9:55 a.m., Friday-090-1:10 p.m.
 He, Yan, Thursday-063-3:05 p.m.
 He, Yaqian, Wednesday-049-9:55 a.m., Friday-052-9:55 a.m., Wednesday-058-8:00 a.m.
 He, Yinan, Friday-036-8:00 a.m.
 He, Yuhong, Wednesday-073-8:00 a.m., Sunday-062-9:55 a.m., Wednesday-056-8:00 a.m., Thursday-058-1:10 p.m., Wednesday-073-9:55 a.m.
 He, Ze, Thursday-033.5-9:55 a.m.
 He, Ziyun, Saturday-081-1:10 p.m.
 Healy, Marc, Friday-043.2-3:05 p.m., Wednesday-090-8:00 a.m., Friday-067-9:55 a.m.
 Healy, Stephen, Wednesday-092-8:00 a.m., Friday-038-5:00 p.m., Sunday-081-9:55 a.m.
 Hebert, Mark, Saturday-063-1:10 p.m.
 Hecht, Justine, Sunday-019-8:00 a.m., Wednesday-053-4:30 p.m.
 Hecht, Susanna, Friday-032-1:10 p.m.
 Heckert, Megan, Friday-050-8:00 a.m.
 Hedberg, Russell, Friday-054-8:00 a.m.
 Hedquist, Brent, Thursday-043.1-8:00 a.m.
 Heeter, Karen, Friday-043.1-3:05 p.m.
 Heffernan, Michael, Friday-008-8:00 a.m., Saturday-098-3:05 p.m., Saturday-098-5:00 p.m.
 Hefner, Amanda, Friday-043.1-3:05 p.m.
 Hegman, Bill, Friday-049-5:00 p.m.
 Heikinheimo, Vuokko, Wednesday-089-4:30 p.m., Saturday-103-5:00 p.m.
 Heil, Melissa, Saturday-006-1:10 p.m., Saturday-006-3:05 p.m.
 Hein, Carola, Saturday-099-1:10 p.m.
 Heinke-Green, Hannah, Saturday-033.5-9:55 a.m.
 Helbich, Marco, Saturday-060-3:05 p.m., Friday-055-3:05 p.m., Friday-055-5:00 p.m., Friday-005-3:05 p.m.
 Helbrecht, Ilse, Friday-035-3:05 p.m., Friday-003-3:05 p.m.
 Helderop, Edward, Thursday-091-3:05 p.m.
 Heleniak, Timothy, Friday-057-1:10 p.m., Wednesday-033-2:35 p.m.
 Helgeson, Kirsten, Friday-098-8:00 a.m., Friday-098-9:55 a.m.
 Hellgren, Mattias, Wednesday-091-9:55 a.m.
 Hemsteede, Roeland, Saturday-082-3:05 p.m.
 Henderson, Joseph, Saturday-019-1:10 p.m.
 Henderson, Keith, Friday-043.1-1:10 p.m.
 Hendricks, Lauren, Thursday-033.5-8:00 a.m.
 Hendricks, Marccus, Friday-009-8:00 a.m.
 Henkin, Samuel, Sunday-020-3:55 p.m.
 Henn, Sebastian, Friday-020-1:10 p.m.
 Hennigh, Gary, Friday-021-5:00 p.m.
 Henning, Martin, Friday-092-1:10 p.m., Wednesday-081-4:30 p.m.
 Henry, Caitlin, Saturday-006-8:00 a.m.
 Henry, Jacob, Sunday-070-9:55 a.m.
 Henry, John, Wednesday-086-9:55 a.m.
 Heppen, John, Saturday-008-1:10 p.m., Friday-036-3:05 p.m., Saturday-008-3:05 p.m.
 Herb, Guntram, Thursday-031-1:10 p.m.
 Herbert, Lily, Friday-035-1:10 p.m., Saturday-092-3:05 p.m.
 Hereher, Mohamed, Saturday-049-8:00 a.m.
 Herman, RDK, Friday-103-8:00 a.m.
 Herman, Thomas, Thursday-041-1:10 p.m., Saturday-058-5:00 p.m.
 Hernandez, Andres, Thursday-039-8:00 a.m., Thursday-061-5:00 p.m.
 Hernandez, Ashley, Friday-003-8:00 a.m.
 Hernandez, Diego, Friday-082-3:05 p.m.
 Hernandez, Evelyn, Thursday-043.5-1:10 p.m.
 Hernandez, Manuel, Friday-061-8:00 a.m., Friday-061-9:55 a.m.
 Hernandez, Monica, Wednesday-036-9:55 a.m.
 Hernandez, Tony, Thursday-074-9:55 a.m., Thursday-074-1:10 p.m., Thursday-074-8:00 a.m.
 Hernández, David, Saturday-008-5:00 p.m., Sunday-094-8:00 a.m.
 Hernandez Ayala, Jose, Thursday-048-3:05 p.m.
 Heron, Tony, Saturday-033-9:55 a.m.
 Herrera, Diego, Saturday-035-1:10 p.m.
 Herrera, Hank, Thursday-101-5:00 p.m.
 Herrera, Juan, Thursday-007-8:00 a.m., Thursday-007-9:55 a.m., Sunday-084-8:00 a.m.
 Herrero, Hannah, Friday-073-9:55 a.m.
 Herling, Laura, Thursday-043.8-1:10 p.m.
 Herrmann, Dustin, Friday-050-9:55 a.m.
 Hertel, Serena, Thursday-043.3-3:05 p.m.
 Hertzler, Doug, Wednesday-051-2:35 p.m., Saturday-082-9:55 a.m.
 Hertzog, Alice, Saturday-099-3:05 p.m.
 HERTZOG, ANNE, Wednesday-092-8:00 a.m., Friday-095-9:55 a.m., Thursday-100-5:00 p.m.
 Heslinga, Jasper, Thursday-102-3:05 p.m.
 Hess, Katherine, Friday-069-5:00 p.m.
 Hess, Martin, Wednesday-012-12:40 p.m.
 Hesse, Arielle, Sunday-053-3:55 p.m.
 Hesse, Kolja, Thursday-081-9:55 a.m.
 Hessler, Amy, Saturday-052-1:10 p.m., Friday-043.1-3:05 p.m.
 Hessler, John, Friday-004-1:10 p.m.
 Hewitt, Nina, Thursday-017-8:00 a.m.
 Heyder, Monika, Thursday-023-8:00 a.m., Wednesday-083-8:00 a.m.
 Heyman, Richard, Thursday-036-3:05 p.m.
 Heynen, Nik, Sunday-019-3:55 p.m.
 Heyns, Andries, Saturday-034-8:00 a.m., Wednesday-069-9:55 a.m., Thursday-069-9:55 a.m., Saturday-069-9:55 a.m.

PARTICIPANT INDEX

- Hibberd, Robert, Saturday-083-1:10 p.m.
Hick, Steven, Friday-025-8:00 a.m.
Hickey, Amber, Friday-012-3:05 p.m.
Hidalgo, Christopher, Wednesday-033.5-4:30 p.m.
Hiebert, Ted, Thursday-026-1:10 p.m.
Hiemstra, Nancy, Wednesday-088-4:30 p.m., Sunday-016-2:00 p.m., Sunday-016-3:55 p.m.
Hiestand, Mikael, Friday-061-9:55 a.m.
Hiett, Matthew, Saturday-064-5:00 p.m.
Higgins, Alanna, Wednesday-069-12:40 p.m., Friday-103-5:00 p.m.
Higgins, Calvin, Friday-033.5-1:10 p.m.
Higgins, Christopher, Friday-021-3:05 p.m.
Higgins, Mark, Thursday-032-3:05 p.m.
Hilbig, Michael, Wednesday-089-12:40 p.m.
Hilbrecht, Claire, Friday-006-3:05 p.m.
Hildebrand, Julia, Sunday-090-3:55 p.m.
Hildebrandt, Rose, Friday-039-9:55 a.m.
Hile, Lauren, Saturday-043.4-8:00 a.m.
Hille, Claudia, Thursday-020-3:05 p.m.
Hiller, Brian, Thursday-043.3-9:55 a.m.
Hillier, Brandon, Friday-037-1:10 p.m.
Hillis, Vicken, Sunday-001-8:00 a.m., Thursday-043.1-8:00 a.m., Friday-025-5:00 p.m.
Hilton, Theodore, Saturday-025-3:05 p.m.
Himley, Matthew, Saturday-041-1:10 p.m., Saturday-041-3:05 p.m., Saturday-041-5:00 p.m.
Himmelberger, Anthony, Thursday-033.5-1:10 p.m.
Hines, Emmanuelle, Thursday-048-3:05 p.m., Sunday-060-2:00 p.m.
Hinger, Bradley, Thursday-033-5:00 p.m.
Hinman, Sarah, Thursday-043.3-3:05 p.m.
Hinten, Melissa, Saturday-033.5-1:10 p.m., Friday-063-5:00 p.m.
Hinton, Olivia, Friday-043.1-3:05 p.m., Saturday-052-8:00 a.m.
Hintz, John, Friday-043.3-3:05 p.m.
Hird, Jennifer, Saturday-048-5:00 p.m.
Hirsch, Eric, Saturday-023-3:05 p.m.
Hirschfeld, Daniella, Sunday-090-2:00 p.m., Thursday-063-9:55 a.m.
Hirsh, Max, Friday-006-8:00 a.m.
Hisey, Forrest, Thursday-033.5-3:05 p.m.
Hitch, Gregory, Wednesday-033-4:30 p.m.
Hjelmskog, Annika, Sunday-025-9:55 a.m.
Hladik, Christine, Thursday-043.1-8:00 a.m.
Ho, Elaine, Saturday-061-1:10 p.m., Saturday-061-8:00 a.m., Sunday-067-9:55 a.m.
Hoalst-Pullen, Nancy, Wednesday-068-4:30 p.m., Thursday-026-9:55 a.m.
HOANG, NGUYEN, Sunday-068-3:55 p.m.
Hobgood, Laura, Friday-004-5:00 p.m.
Hoch, Richard, Thursday-057-3:05 p.m.
Hocking, Daniel, Friday-043.1-3:05 p.m.
Hodge, Bill, Thursday-068-1:10 p.m.
Hodge, Joshua, Thursday-043.1-8:00 a.m.
Hodges, Corbin, Friday-043.3-1:10 p.m.
Hodgson, Michael, Thursday-067-1:10 p.m., Wednesday-087-4:30 p.m., Saturday-055-8:00 a.m., Friday-025-5:00 p.m.
Hodza, Paddington, Saturday-025-9:55 a.m.
HOEL, PAIGE, Sunday-028-2:00 p.m., Thursday-023-8:00 a.m.
Hof, Angela, Friday-037-8:00 a.m., Friday-062-3:05 p.m.
Hoffman, Anthony, Saturday-043.4-8:00 a.m.
Hoffman, Monica, Friday-043.2-8:00 a.m.
Hoffman-Hall, Amanda, Thursday-056-9:55 a.m.
Hohl, Alexander, Friday-055-8:00 a.m., Wednesday-055-2:35 p.m., Friday-055-9:55 a.m., Friday-055-3:05 p.m., Thursday-097-3:05 p.m.
Holcomb, Elizabeth, Friday-016-3:05 p.m.
Holder, Eric, Thursday-002-11:45 a.m.
Holdsworth, Clare, Wednesday-094-2:35 p.m.
Holland, Edward, Friday-043.2-9:55 a.m., Saturday-019-5:00 p.m., Saturday-084-1:10 p.m., Friday-019-5:00 p.m., Friday-022-8:00 a.m., Saturday-069-9:55 a.m.
Holland, Miranda, Saturday-043.1-8:00 a.m.
Holland-Levine, Anna, Thursday-033.5-9:55 a.m.
Hollenbach, Pia, Thursday-018-9:55 a.m., Saturday-001-8:00 a.m.
Holler, Joseph, Friday-087-8:00 a.m., Saturday-003-3:05 p.m.
Holloman, Diamond, Saturday-033.5-9:55 a.m.
Holloway, Emily, Saturday-100-1:10 p.m.
Holm, Poul, Wednesday-057-9:55 a.m., Saturday-025-1:10 p.m.
Holmberg, Mollie, Sunday-027-3:55 p.m., Sunday-040-9:55 a.m.
Holmes, Louisa, Thursday-061-5:00 p.m.
Holterman, Devin, Sunday-051-9:55 a.m.
Holtkamp, Christopher, Wednesday-068-4:30 p.m., Friday-026-9:55 a.m.
Holvands, Johanna, Sunday-005-9:55 a.m.
Hong, Insu, Thursday-043.1-3:05 p.m., Friday-057-5:00 p.m.
Hong, Xin, Friday-055-5:00 p.m.
Hoogeteen, Dawn, Friday-034-9:55 a.m., Saturday-070-1:10 p.m.
Hoolachan, Andrew, Sunday-024-8:00 a.m.
Hoole, Charlotte, Thursday-063-3:05 p.m.
Hoover, Brendan, Friday-021-5:00 p.m.
Hoover, Joseph, Thursday-043.2-3:05 p.m.
Hopkins, Debbie, Friday-023-8:00 a.m.
Hopkins, Peter, Saturday-092-3:05 p.m., Wednesday-082-4:30 p.m.
Hopkinson, Natalie, Saturday-006-9:55 a.m., Friday-081-9:55 a.m.
Hopping, Douglas, Thursday-088-1:10 p.m.
Hoque, Sonia, Thursday-047-9:55 a.m.
Hoque, Ziaul, Thursday-043.4-9:55 a.m.
Horgan, Leah, Friday-038-9:55 a.m.
Horn, Sally, Friday-043.1-3:05 p.m., Thursday-094-8:00 a.m., Thursday-066-8:00 a.m., Thursday-066-9:55 a.m., Thursday-066-1:10 p.m., Thursday-023-9:55 a.m.
Horner, Rory, Saturday-003-5:00 p.m.
Hornung, Madlen, Friday-027-3:05 p.m.
Horowitz, Leah, Thursday-068-5:00 p.m.
Hosman, Sarah, Sunday-080-9:55 a.m.
Hostetter, Ellen, Thursday-020-8:00 a.m.
Hotz, Helenmary, Friday-058-8:00 a.m.
Hou, Chun'guang, Friday-091-1:10 p.m.
Hou, Kun, Thursday-043.3-3:05 p.m.
Houchon, Á.Clotilde, Saturday-007-1:10 p.m.
Housel, Jacqueline, Friday-067-8:00 a.m., Friday-043.3-9:55 a.m., Thursday-031-5:00 p.m.
House-Peters, Lily, Sunday-048-8:00 a.m., Wednesday-038-2:35 p.m., Wednesday-057-8:00 a.m.
Houston, Akil, Friday-098-3:05 p.m.
Houston, Darciea, Sunday-061-3:55 p.m.
Houston, Serin, Wednesday-070-8:00 a.m., Saturday-070-1:10 p.m., Saturday-087-3:05 p.m.
Hovorka, Alice, Wednesday-036-8:00 a.m., Sunday-027-3:55 p.m., Friday-051-1:10 p.m., Sunday-040-9:55 a.m.
Howarth, Jeff, Wednesday-032-12:40 p.m., Wednesday-032-2:35 p.m., Friday-043.3-8:00 a.m., Wednesday-032-8:00 a.m.
Howe, Caroline, Friday-037-5:00 p.m.
Howe, Lindsay, Saturday-099-1:10 p.m., Saturday-099-3:05 p.m.
Howe, Peter, Thursday-043.1-8:00 a.m., Friday-048-9:55 a.m., Thursday-004-1:10 p.m., Friday-049-5:00 p.m.
Howell, Jordan, Friday-063-5:00 p.m.
Howell, Kathryn, Friday-063-1:10 p.m., Wednesday-038-8:00 a.m., Friday-081-9:55 a.m.
Howerton, Gloria, Friday-035-1:10 p.m.
Howlett-Southgate, Rosie, Saturday-061-9:55 a.m.
Howson, Peter, Saturday-093-9:55 a.m.
Hruska, Tracy, Thursday-066-5:00 p.m., Saturday-080-1:10 p.m.
Hsiao, Devon, Friday-027-5:00 p.m.
Hsu, Chia-Ling, Wednesday-093-2:35 p.m.
Hsu, Li-Chih, Wednesday-053-12:40 p.m.
Hsu, Weiting, Friday-056-3:05 p.m.
Hu, Chuanbo, Thursday-072-3:05 p.m.
Hu, Lan, Thursday-054-1:10 p.m.
Hu, Shixiong, Saturday-058-8:00 a.m.
Hu, Shuju, Friday-089-9:55 a.m.
Hu, Wei, Friday-043.2-9:55 a.m.
Hu, Xiaokang, Saturday-054-8:00 a.m.
Hu, Yingjie, Thursday-097-1:10 p.m., Wednesday-067-12:40 p.m., Friday-041-1:10 p.m., Thursday-035-9:55 a.m.
Hu, Yujie, Wednesday-003-12:40 p.m., Thursday-049-1:10 p.m., Thursday-043.3-9:55 a.m.

PARTICIPANT INDEX

Hu, Zhiyong, Friday-043.2-8:00 a.m., Thursday-043.3-9:55 a.m., Thursday-043.4-9:55 a.m.
 HU, WEIJIE, Friday-060-3:05 p.m.
 Huang, Baishi, Saturday-055-9:55 a.m., Sunday-060-2:00 p.m.
 Huang, Chia-Yuan, Thursday-089-5:00 p.m.
 Huang, Chun-Wei, Wednesday-037-12:40 p.m.
 Huang, Hao, Saturday-027-8:00 a.m.
 Huang, Jiawei, Friday-074-1:10 p.m., Thursday-072-5:00 p.m., Friday-074-5:00 p.m.
 Huang, Linshan, Thursday-091-8:00 a.m.
 Huang, Pu, Thursday-043.4-9:55 a.m.
 Huang, Qiongyu, Saturday-065-5:00 p.m.
 Huang, Qiuhaio, Saturday-020-5:00 p.m.
 Huang, Qunying, Friday-041-8:00 a.m., Thursday-035-5:00 p.m., Saturday-091-1:10 p.m., Saturday-055-8:00 a.m., Sunday-054-9:55 a.m., Thursday-036-8:00 a.m.
 Huang, Ruihong, Sunday-001-9:55 a.m.
 Huang, Shang-ming, Saturday-080-1:10 p.m.
 Huang, Te-Sheng, Saturday-010-1:10 p.m.
 Huang, Weiming, Friday-043.1-8:00 a.m.
 Huang, Wenli, Thursday-033.5-3:05 p.m.
 Huang, Xiao, Thursday-027-5:00 p.m., Saturday-084-3:05 p.m.
 Huang, Yi, Thursday-043.3-9:55 a.m.
 Huang, Ying-Chih, Sunday-062-2:00 p.m.
 Huang, Yiwei, Friday-060-5:00 p.m.
 Huang, Youqin, Wednesday-089-9:55 a.m.
 Huang, Yu, Friday-043.2-9:55 a.m., Friday-026-5:00 p.m.
 Huang, Yuchuan, Thursday-097-5:00 p.m.
 Huang, Yunxin, Saturday-057-3:05 p.m.
 Huang, Yuran, Thursday-019-5:00 p.m.
 Huang, Yuxia, Thursday-043.2-3:05 p.m., Friday-057-5:00 p.m., Thursday-043.4-9:55 a.m.
 HUANG, Dingxi, Friday-028-1:10 p.m.
 HUANG, HAIHONG, Friday-043.1-8:00 a.m., Friday-033.5-8:00 a.m.
 Huante, Alfredo,
 Hubbard, Philip, Saturday-083-5:00 p.m., Saturday-038-1:10 p.m., Saturday-038-3:05 p.m., Saturday-100-9:55 a.m.
 Huber, Matt, Sunday-048-8:00 a.m., Friday-036-3:05 p.m., Thursday-038-1:10 p.m., Thursday-038-8:00 a.m., Thursday-038-9:55 a.m., Thursday-012-3:05 p.m., Friday-094-8:00 a.m., Friday-094-9:55 a.m.
 Hubert, Olivia, Thursday-043.1-8:00 a.m.
 Hudalah, Delik, Saturday-064-8:00 a.m., Wednesday-094-9:55 a.m., Thursday-019-5:00 p.m.
 Hudson, Paul, Friday-043.4-8:00 a.m.
 Huezo, Alexander, Thursday-012-8:00 a.m., Thursday-012-9:55 a.m., Thursday-050-1:10 p.m.
 Huff, Alice, Saturday-027-9:55 a.m., Saturday-027-5:00 p.m., Saturday-027-3:05 p.m., Saturday-027-1:10 p.m.
 Hughes, David, Wednesday-034-2:35 p.m.
 Hughes, Sara, Thursday-099-3:05 p.m., Wednesday-057-2:35 p.m., Wednesday-057-4:30 p.m., Friday-019-5:00 p.m.
 Hughes, Sarah, Sunday-016-3:55 p.m., Saturday-097-3:05 p.m.
 HUGHES, Frank, Wednesday-053-4:30 p.m.
 Huh, Kyung In, Friday-006-3:05 p.m.
 Hultquist, Carolynne, Sunday-063-9:55 a.m., Saturday-084-3:05 p.m., Saturday-068-1:10 p.m.
 Hume, Mo, Thursday-050-1:10 p.m.
 Humes, Karen, Friday-043.1-1:10 p.m., Saturday-062-9:55 a.m.
 Humran, Mohammed, Friday-083-3:05 p.m.
 Hung, Li-San, Saturday-048-8:00 a.m.
 Hung, Meng-Pai, Thursday-043.1-8:00 a.m.
 Hungerford, Hilary, Wednesday-086-8:00 a.m.
 Hunke, Jacqueline, Friday-043.2-8:00 a.m.
 Hunsberger, Carol, Wednesday-034-2:35 p.m.
 Hunt, Carter, Saturday-005-9:55 a.m.
 Hunt, Dallas, Friday-086-8:00 a.m.
 Hunt, Lauren, Thursday-043.1-8:00 a.m.
 Hunter, Oliver, Saturday-041-9:55 a.m.
 Hunter, William, Saturday-101-8:00 a.m.
 Huntley, Eric, Saturday-089-9:55 a.m., Sunday-092-9:55 a.m.
 Huotari, Tiina, Friday-057-8:00 a.m.

Hupy, Christina, Thursday-070-3:05 p.m., Wednesday-069-9:55 a.m.
 Hurcomb, Allison, Friday-043.1-3:05 p.m.
 Hurley, Donnise, Wednesday-088-12:40 p.m.
 Hurley, Patrick, Wednesday-090-4:30 p.m., Friday-016-1:10 p.m., Sunday-091-8:00 a.m., Friday-060-9:55 a.m.
 Huron, Amanda, Saturday-061-5:00 p.m., Sunday-006-9:55 a.m., Thursday-001-9:55 a.m., Friday-081-9:55 a.m.
 Hurt, Douglas, Thursday-027-3:05 p.m.
 Husa, Andrew, Friday-043.1-9:55 a.m., Friday-022-1:10 p.m., Friday-022-9:55 a.m.
 Hussain, Nurul, Wednesday-033.5-2:35 p.m.
 Hussein, Mogahid (Mo), Thursday-043.3-9:55 a.m.
 Hussein De Araújo, Shadia, Friday-101-1:10 p.m.
 Hutchens, Lilian, Thursday-043.1-8:00 a.m.
 Hutchings, Stuart, Friday-007-8:00 a.m.
 Hutton, Nicole, Sunday-063-8:00 a.m.
 Hwang, Chul Sue, Thursday-043.7-1:10 p.m., Thursday-019-9:55 a.m., Friday-064-8:00 a.m., Saturday-056-5:00 p.m.
 Hwang, Leo, Saturday-026-3:05 p.m.
 Hwang, Taekeon, Friday-064-8:00 a.m.
 Hwang, Won Hoi, Wednesday-090-8:00 a.m.
 Hyotylainen, Mika, Friday-039-3:05 p.m., Friday-039-5:00 p.m.
 Hysjulien, Aidan, Sunday-026-9:55 a.m.

I

Iacovone, Chiara, Wednesday-012-8:00 a.m.
 Ibrahim, Mohamed, Friday-073-1:10 p.m.
 Idies, Yusif, Saturday-001-3:05 p.m.
 Ignatius, Amber, Thursday-017-8:00 a.m.
 Ijagbone, Ighodalo, Thursday-090-9:55 a.m.
 Ilc Klun, Mojca, Thursday-017-5:00 p.m.
 Ildefonso, Olivia, Saturday-027-5:00 p.m., Saturday-027-1:10 p.m., Friday-023-3:05 p.m.
 Iles, Alastair, Wednesday-035-9:55 a.m.
 Imbroscio, David, Sunday-025-8:00 a.m.
 Inam, Aseem, Sunday-025-2:00 p.m.
 Inamoto, Akemi, Friday-043.3-1:10 p.m.
 Ingram, Jackson, Thursday-043.2-1:10 p.m.
 Inkinen, Tommi, Saturday-001-1:10 p.m.
 Inks, Kevin, Friday-043.4-1:10 p.m.
 Intsiful, Adjoa, Thursday-033.5-1:10 p.m.
 Inverardi-Ferri, Carlo, Sunday-089-3:55 p.m.
 Inwood, Joshua, Thursday-033-9:55 a.m., Wednesday-038-9:55 a.m.
 Ioannides, Dimitri, Saturday-084-9:55 a.m., Friday-062-3:05 p.m., Wednesday-073-4:30 p.m.
 Ioannou, Stefanos, Saturday-102-1:10 p.m.
 Iqbal, Sana, Saturday-056-9:55 a.m.
 Irrázaval, Felipe, Wednesday-012-12:40 p.m.
 Irvin, Jacob, Friday-043.1-3:05 p.m.
 Irvine, Kate, Saturday-033.5-1:10 p.m.
 Isaacs, Jenny, Thursday-098-9:55 a.m.
 Isacson, Adam, Friday-088-8:00 a.m.
 Isaksen, Arne, Friday-001-8:00 a.m., Friday-001-9:55 a.m., Friday-001-1:10 p.m., Friday-001-3:05 p.m.
 Iseki, Hiroyuki, Thursday-021-3:05 p.m.
 Ishtiaque, Asif, Wednesday-053-12:40 p.m.
 Iskander, Natasha, Friday-005-9:55 a.m., Friday-005-1:10 p.m.
 Islam, Md, Thursday-062-3:05 p.m.
 Islam, Md Sariful, Friday-048-3:05 p.m.
 Isleyen, Beste, Friday-007-9:55 a.m.
 Ita Vargas, Tania, Friday-061-9:55 a.m.
 Ithurbide, Christine, Saturday-041-8:00 a.m.
 Ittyerah, Amit, Thursday-016-9:55 a.m.
 Iturbe, Elisa, Sunday-036-8:00 a.m.
 Iuel-Stissing, Jens, Saturday-038-9:55 a.m.
 Ivasiuc, Ana, Sunday-084-2:00 p.m.
 Iyengar, Sunil, Saturday-003-8:00 a.m., Saturday-003-9:55 a.m.

PARTICIPANT INDEX

J

- Jack, Margaret, Thursday-080-1:10 p.m.
 Jackman, Lucy, Friday-037-3:05 p.m.
 Jackson, Deborah, Sunday-048-2:00 p.m.
 Jackson, Mark, Sunday-080-8:00 a.m., Thursday-012-8:00 a.m.
 Jackson, Paul, Friday-088-5:00 p.m., Thursday-033-8:00 a.m.
 Jackson, Sam, Thursday-048-8:00 a.m.
 Jackson, Sara, Thursday-009-8:00 a.m.
 Jackson, Thomas, Thursday-102-9:55 a.m.
 Jackson, Tyler, Saturday-043.3-9:55 a.m.
 Jacob, Tai, Sunday-064-9:55 a.m.
 Jacobs, Fayola, Saturday-038-8:00 a.m.
 Jacobs, Jessica, Friday-016-8:00 a.m., Saturday-082-8:00 a.m.
 Jacobs, Sara, Saturday-038-9:55 a.m.
 Jacobsen, Malene, Saturday-061-8:00 a.m., Friday-035-3:05 p.m., Saturday-061-9:55 a.m.
 Jacobson, Amber, Saturday-060-1:10 p.m.
 Jaegal, Young, Wednesday-091-12:40 p.m., Sunday-047-8:00 a.m.
 Jagadish, Arundhati, Sunday-001-8:00 a.m.
 Jahan, Israt, Wednesday-037-12:40 p.m.
 Jahn Verri, Fernanda, Saturday-012-9:55 a.m.
 Jahnke, Holger, Friday-025-3:05 p.m.
 Jaines, Rowan, Wednesday-093-8:00 a.m.
 Jakar, Gidon, Thursday-073-9:55 a.m.
 Jakobsen, Stig-Erik, Friday-001-9:55 a.m.
 Jalbert, Kirk, Wednesday-083-12:40 p.m., Thursday-084-5:00 p.m.
 James, Aju, Wednesday-093-2:35 p.m.
 James, Allan, Saturday-065-8:00 a.m.
 James, Autumn, Saturday-043.1-8:00 a.m.
 James, Ryan, Saturday-043.2-8:00 a.m.
 James-Wilson, Symon, Thursday-017-3:05 p.m., Friday-024-8:00 a.m.
 Jamison, Eli, Wednesday-088-2:35 p.m.
 Jampel, Catherine, Saturday-018-1:10 p.m., Saturday-018-3:05 p.m., Wednesday-041-2:35 p.m., Saturday-018-5:00 p.m.
 Jana, Puja, Thursday-022-1:10 p.m.
 Jang, Hyojin, Saturday-058-9:55 a.m.
 Jang, Sungmin, Saturday-103-3:05 p.m.
 Janiec Grygo, Milena, Thursday-058-1:10 p.m.
 Janko, Mark, Sunday-056-9:55 a.m.
 Jansen, Megumu, Thursday-057-3:05 p.m.
 Janska, Eva, Friday-082-8:00 a.m.
 Jantz, Claire, Friday-043.1-8:00 a.m., Friday-043.5-8:00 a.m., Saturday-043.3-8:00 a.m., Friday-054-3:05 p.m., Thursday-028-8:00 a.m.
 Jantz, Samuel, Thursday-064-8:00 a.m.
 Janus, Kelly, Thursday-033.5-9:55 a.m.
 Jara, Domenica, Saturday-043.3-9:55 a.m.
 Jarmin, Ron, Thursday-080-9:55 a.m.
 Jaroszweski, David, Thursday-060-8:00 a.m.
 Jarry, Vincent, Wednesday-055-4:30 p.m.
 Jasny, Lorient, Sunday-068-8:00 a.m.
 Javed, Sadaf, Sunday-041-3:55 p.m.
 Jazeel, Tariq, Thursday-008-1:10 p.m., Friday-084-1:10 p.m.
 Jean, Christy, Friday-043.3-1:10 p.m.
 Jechova, Lucie, Thursday-043.1-8:00 a.m.
 Jefferson, Brian, Wednesday-038-4:30 p.m.
 Jefferson, Brian Jordan, Sunday-051-3:55 p.m., Friday-088-9:55 a.m., Friday-031-5:00 p.m.
 Jellis, Thomas, Friday-007-5:00 p.m., Thursday-099-8:00 a.m., Thursday-099-9:55 a.m., Thursday-099-1:10 p.m.
 Jenkins, Jeffrey, Sunday-081-8:00 a.m.
 Jennings, Owen, Saturday-043.7-8:00 a.m.
 Jensen, David, Friday-043.1-1:10 p.m.
 Jensen, Jennifer, Friday-043.1-1:10 p.m., Thursday-062-9:55 a.m., Thursday-043.4-9:55 a.m.
 Jensen, Ole B., Wednesday-094-12:40 p.m.
 Jeong, Ara, Friday-049-1:10 p.m.
 Jeong, Myeong Hun, Saturday-031-8:00 a.m.
 Jepson, Wendy, Thursday-047-8:00 a.m., Thursday-047-9:55 a.m., Thursday-047-1:10 p.m., Thursday-047-3:05 p.m., Thursday-022-9:55 a.m., Thursday-047-5:00 p.m., Sunday-037-8:00 a.m.
 Jerin, Tasnuba, Wednesday-056-9:55 a.m.
 Jerrett, Michael, Thursday-054-5:00 p.m., Thursday-035-9:55 a.m.
 Jesus, Gilmar, Sunday-053-2:00 p.m.
 Jhanwar, Gourav, Wednesday-008-2:35 p.m.
 Ji, Lei, Wednesday-074-4:30 p.m.
 Ji, MyungIn, Saturday-100-1:10 p.m.
 Ji, Xuepeng, Saturday-028-9:55 a.m.
 Jiang, Baode, Saturday-024-3:05 p.m.
 Jiang, Leiwen, Thursday-089-3:05 p.m.
 Jiang, Luguang, Saturday-020-5:00 p.m.
 Jiang, Na, Sunday-001-9:55 a.m.
 Jiang, Shiguo, Saturday-006-5:00 p.m., Saturday-049-9:55 a.m.
 Jiang, Wen, Saturday-024-9:55 a.m.
 Jiang, Wenjing, Sunday-040-8:00 a.m., Friday-022-5:00 p.m., Thursday-005-8:00 a.m.
 Jiang, Xiangyu, Saturday-057-5:00 p.m.
 Jiang, Yanpeng, Wednesday-057-12:40 p.m.
 Jiang, Yuqin, Friday-041-8:00 a.m.
 Jiangjiang, Kang, Saturday-028-8:00 a.m.
 Jiao, Limin, Thursday-058-8:00 a.m., Saturday-020-8:00 a.m.
 Jiao, Linshen, Thursday-018-1:10 p.m.
 JIAO, MEIQI, Thursday-024-5:00 p.m.
 Jie, Lin, Sunday-057-2:00 p.m.
 Jimenez, Rose, Saturday-043.3-9:55 a.m.
 Jin, Chanwoo, Friday-047-9:55 a.m.
 Jin, Fengjun, Thursday-019-1:10 p.m., Saturday-043.2-8:00 a.m.
 Jin, He, Thursday-083-1:10 p.m.
 Jin, Jian, Friday-043.2-9:55 a.m., Saturday-043.3-9:55 a.m.
 Jin, Scarlett, Thursday-018-1:10 p.m.
 Jin, Xiaoxi, Saturday-028-8:00 a.m.
 Jin, Xueting, Saturday-034-1:10 p.m.
 Jin, Yang, Friday-099-8:00 a.m.
 Jin, Yerin, Saturday-083-1:10 p.m.
 Jin, Zhenyu, Friday-049-5:00 p.m.
 Jing, Fengrui, Thursday-039-9:55 a.m.
 Jing, Wang, Friday-043.2-9:55 a.m.
 Jo, Injeong, Wednesday-068-2:35 p.m., Thursday-041-1:10 p.m., Thursday-098-3:05 p.m., Thursday-098-5:00 p.m.
 Jo, Wonho, Friday-033-3:05 p.m.
 Joassart-Marcelli, Pascale, Saturday-038-3:05 p.m.
 Jocoy, Christine, Sunday-061-8:00 a.m., Saturday-100-8:00 a.m., Sunday-061-9:55 a.m.
 Joens, Heike, Saturday-009-3:05 p.m.
 Joergensen, Ask, Saturday-038-9:55 a.m.
 Johanson, Erik, Thursday-066-1:10 p.m.
 Johansson, Ola, Friday-070-5:00 p.m., Saturday-041-8:00 a.m., Saturday-041-9:55 a.m.
 John, Matthew, Saturday-001-3:05 p.m.
 JOHN, RUTH, Saturday-033-1:10 p.m.
 Johns, Jennifer, Friday-092-3:05 p.m., Saturday-092-8:00 a.m., Saturday-092-9:55 a.m.
 Johnson, Adrienne, Saturday-073-9:55 a.m.
 Johnson, Angeline, Friday-026-5:00 p.m.
 Johnson, Ann, Thursday-043.1-9:55 a.m., Thursday-068-3:05 p.m.
 Johnson, Ashley, Friday-057-9:55 a.m.
 Johnson, Corey, Friday-038-1:10 p.m., Saturday-008-8:00 a.m.
 Johnson, David, Saturday-048-3:05 p.m.
 Johnson, Elizabeth, Saturday-093-9:55 a.m., Friday-053-8:00 a.m., Saturday-074-1:10 p.m., Sunday-072-9:55 a.m., Thursday-033-8:00 a.m.
 Johnson, Geoffrey, Thursday-033.5-8:00 a.m.
 Johnson, Heather, Friday-007-9:55 a.m.
 Johnson, Jay, Friday-068-1:10 p.m., Friday-065-3:05 p.m., Thursday-031-5:00 p.m.
 Johnson, Kalen, Wednesday-033.5-4:30 p.m.
 Johnson, Katherine, Thursday-008-9:55 a.m.
 Johnson, Kelsey, Thursday-093-3:05 p.m., Friday-103-5:00 p.m., Saturday-098-1:10 p.m., Saturday-098-9:55 a.m., Saturday-098-8:00 a.m.
 Johnson, Kenneth, Thursday-016-8:00 a.m.
 Johnson, Kourtney, Thursday-043.2-3:05 p.m.
 Johnson, Lesley, Thursday-103-8:00 a.m.
 Johnson, McKenzie, Saturday-073-5:00 p.m.

PARTICIPANT INDEX

Johnson, Melvin, Thursday-027-1:10 p.m., Friday-082-3:05 p.m., Thursday-069-9:55 a.m., Friday-069-9:55 a.m.
 Johnson, Merrill, Thursday-072-5:00 p.m.
 Johnson, Merry, Thursday-033.5-5:00 p.m.
 Johnson, Michelle, Wednesday-090-9:55 a.m., Friday-095-3:05 p.m.
 Johnson, Patricia, Thursday-006-8:00 a.m.
 Johnson, Peter, Saturday-023-8:00 a.m., Saturday-023-9:55 a.m.
 Johnson, Richard, Wednesday-036-9:55 a.m., Sunday-090-8:00 a.m.
 Johnson, Teresa, Sunday-058-9:55 a.m.
 Johnson, Thomas, Saturday-003-8:00 a.m.
 Johnson, Tora, Saturday-102-5:00 p.m.
 Johnson Maier, Kimberly, Thursday-008-9:55 a.m.
 Johnson-Webb, Karen, Thursday-043.2-3:05 p.m., Saturday-088-5:00 p.m.
 Johnston, Caleb, Thursday-095-3:05 p.m.
 Johnston, Jacquelyn, Friday-024-3:05 p.m., Sunday-040-9:55 a.m.
 Johnston-Anumonwo, Ibipo, Wednesday-070-9:55 a.m., Friday-006-3:05 p.m., Thursday-043.8-1:10 p.m.
 Jonas, Andrew, Friday-081-8:00 a.m.
 Jones, Alun, Thursday-102-9:55 a.m.
 Jones, Andrew, Saturday-092-8:00 a.m.
 Jones, Brince, Friday-058-1:10 p.m.
 Jones, Brittany, Saturday-043.3-8:00 a.m.
 Jones, Caitlin, Saturday-043.1-8:00 a.m.
 Jones, Jonathan, Friday-099-3:05 p.m.
 Jones, Katherine, Thursday-043.2-3:05 p.m.
 Jones, Kaylee, Friday-025-9:55 a.m.
 Jones, Kelly, Saturday-043.7-8:00 a.m., Friday-084-9:55 a.m., Thursday-057-8:00 a.m.
 Jones, Martin, Thursday-082-8:00 a.m.
 Jones, Meghan, Thursday-043.3-9:55 a.m.
 Jones, Michael, Friday-100-3:05 p.m.
 Jones, Naya, Friday-103-3:05 p.m., Friday-017-1:10 p.m.
 Jones, Norman, Thursday-043.1-8:00 a.m.
 Jones, Phil, Saturday-093-1:10 p.m., Saturday-093-3:05 p.m.
 Jones, Reece, Wednesday-007-2:35 p.m., Saturday-061-1:10 p.m., Saturday-018-8:00 a.m., Wednesday-088-4:30 p.m.
 Jones, Rhys, Thursday-082-8:00 a.m., Thursday-082-9:55 a.m.
 Jones, Samantha, Saturday-052-5:00 p.m.
 Jones, Shannon, Thursday-043.4-9:55 a.m.
 Jones, Stephen, Sunday-028-9:55 a.m.
 Jones, Zachary, Thursday-089-8:00 a.m., Friday-043.2-8:00 a.m.
 Jones III, John, Thursday-065-3:05 p.m.
 Jonnalagadda, Indivar, Sunday-024-9:55 a.m.
 Jonsson, Don, Wednesday-072-2:35 p.m.
 Jordan, Dee, Friday-070-1:10 p.m.
 Jordan, Lisa, Friday-073-3:05 p.m.
 Jordan, Miranda, Thursday-066-9:55 a.m.
 Jordan, Sophia,
 Joronen, Mikko, Thursday-004-8:00 a.m., Thursday-004-9:55 a.m., Saturday-090-8:00 a.m.
 Jorz, Veronika, Thursday-067-1:10 p.m.
 Jose Pampackal, Amrutha, Thursday-025-1:10 p.m.
 Joseph, Braimah, Thursday-043.2-3:05 p.m.
 Joseph, Lawrence, Thursday-074-9:55 a.m.
 Joseph, Sophonie, Friday-083-9:55 a.m.
 Joslin, Audrey, Friday-084-9:55 a.m.
 Jouzi, Zeynab, Friday-101-5:00 p.m.
 Jovanovic, Tijana, Friday-050-9:55 a.m., Wednesday-008-4:30 p.m.
 Juan, Ji, Thursday-054-3:05 p.m.
 Juarez-Varela, Veneranda, Friday-022-9:55 a.m.
 Julian, Jason, Sunday-086-3:55 p.m.
 Jun, Byong-Woon, Wednesday-067-9:55 a.m.
 Jun, Chang, Thursday-043.3-9:55 a.m.
 Jung, Jihoon, Thursday-060-9:55 a.m.
 Jung, Jin-Kyu, Thursday-026-1:10 p.m., Thursday-093-8:00 a.m., Thursday-101-3:05 p.m.
 Jung, Paul, Wednesday-055-2:35 p.m., Saturday-034-9:55 a.m.
 Jung, Sujee, Friday-019-9:55 a.m.
 Jung, Yeondae, Sunday-069-2:00 p.m.

Jurgens, Patrick, Saturday-056-5:00 p.m.
 Jutla, Rajinder, Sunday-051-2:00 p.m.

K

Kabisch, Sigrun, Sunday-005-9:55 a.m.
 Kadich, Dino, Friday-074-3:05 p.m.
 Kaemmerer, James, Thursday-043.3-1:10 p.m.
 Kagima, Barbara, Saturday-063-8:00 a.m.
 Kahler, Sophie, Saturday-043.3-9:55 a.m.
 Kahraman, Sefer, Friday-039-5:00 p.m.
 Kaiser, April, Friday-043.1-3:05 p.m.
 Kaiser, Robert, Thursday-005-8:00 a.m., Saturday-001-9:55 a.m.
 Kalafsky, Ronald, Friday-094-5:00 p.m.
 Kalkstein, Adam, Friday-056-8:00 a.m.
 Kallio, Kirs, Saturday-061-9:55 a.m., Saturday-093-3:05 p.m., Saturday-008-8:00 a.m.
 Kalra, Rajrani, Friday-064-3:05 p.m.
 Kama, Kär, Saturday-041-1:10 p.m.
 Kamal, Ahsan, Thursday-019-8:00 a.m.
 Kamei, Susan, Friday-033-9:55 a.m.
 Kamnde, Kelvin, Saturday-033-9:55 a.m.
 Kamp, Alanna, Wednesday-094-12:40 p.m.
 Kanai, Juan Miguel, Saturday-047-1:10 p.m., Saturday-099-5:00 p.m.
 Kandel, Chintamani, Friday-043.1-8:00 a.m.
 Kandel, Matt, Thursday-035-8:00 a.m.
 Kandikuppa, Sandeep, Friday-021-5:00 p.m.
 Kane, Joseph, Saturday-020-3:05 p.m.
 Kane, Kevin, Wednesday-089-9:55 a.m.
 Kang, Chaogui, Friday-041-3:05 p.m.
 Kang, Jeon-Young, Thursday-097-3:05 p.m., Thursday-097-8:00 a.m., Thursday-097-9:55 a.m.
 Kang, Ranbir, Saturday-065-8:00 a.m.
 Kang, Suyoung, Saturday-099-8:00 a.m.
 Kang, Wei, Wednesday-067-9:55 a.m., Wednesday-067-12:40 p.m., Thursday-087-3:05 p.m., Wednesday-067-2:35 p.m., Thursday-090-8:00 a.m., Wednesday-067-4:30 p.m., Thursday-087-5:00 p.m., Thursday-090-1:10 p.m.
 Kang, Yuhao, Sunday-063-2:00 p.m., Thursday-027-5:00 p.m., Wednesday-033.5-2:35 p.m.
 Kangmennaang, Joseph, Saturday-073-1:10 p.m., Friday-089-8:00 a.m.
 Kaniewski, Connie, Friday-061-8:00 a.m.
 Kannarr, Seth, Friday-033.5-5:00 p.m.
 Kanngieser, Anja, Wednesday-031-9:55 a.m., Saturday-067-5:00 p.m., Saturday-002-8:00 a.m.
 Kansanga, Moses, Thursday-086-3:05 p.m., Wednesday-003-12:40 p.m.
 Kantel, Anne,
 KANTOR, CAMELIA, Thursday-070-3:05 p.m., Thursday-068-8:00 a.m.
 Kaplan, Caren, Sunday-067-2:00 p.m., Saturday-024-8:00 a.m., Sunday-067-3:55 p.m.
 Kaplan, David, Thursday-031-5:00 p.m., Thursday-031-3:05 p.m., Thursday-031-1:10 p.m., Saturday-088-5:00 p.m., Friday-092-5:00 p.m.
 Kaplan-Seem, Anya, Wednesday-082-8:00 a.m.
 Kar, Armita, Wednesday-087-4:30 p.m.
 Kar, Bandana, Wednesday-087-4:30 p.m., Friday-087-1:10 p.m., Friday-087-8:00 a.m., Thursday-091-8:00 a.m., Saturday-055-8:00 a.m., Friday-087-3:05 p.m., Thursday-091-9:55 a.m., Thursday-091-1:10 p.m., Thursday-091-3:05 p.m., Friday-087-9:55 a.m., Thursday-091-5:00 p.m., Friday-087-5:00 p.m., Wednesday-069-9:55 a.m.
 Karaagac, Esra Alkim, Friday-068-3:05 p.m., Sunday-090-8:00 a.m.
 Karacas, Cary, Saturday-012-1:10 p.m.
 Karale, Yogita, Friday-055-5:00 p.m.
 Karaman, Ozan, Saturday-038-5:00 p.m.
 Karamuk, Ayse Gumec, Saturday-100-9:55 a.m.
 Karian, Jason, Thursday-072-1:10 p.m.
 Karigomba, Wilbert, Thursday-073-5:00 p.m.
 Karimi, Firoozeh, Friday-041-5:00 p.m.
 Karimnia, Elahe, Thursday-095-8:00 a.m.
 Karimzadeh, Morteza, Wednesday-008-4:30 p.m., Wednesday-008-2:35 p.m.
 Karlsen, Ashjorn, Friday-092-1:10 p.m.
 Karrar, Hasan, Friday-006-9:55 a.m.

PARTICIPANT INDEX

- Kartal, Rebekah, Wednesday-057-4:30 p.m.
 Kashem, Shakil, Thursday-035-3:05 p.m.
 KASHONGWE, HERVE, Thursday-043.4-9:55 a.m.
 Kass, Amanda, Saturday-097-8:00 a.m.
 Katan, Jeffrey, Wednesday-058-12:40 p.m.
 Katikiro, Robert, Saturday-033-8:00 a.m.
 Katirai, Matin, Thursday-043.2-3:05 p.m.
 Katju, Dhananjaya, Thursday-018-8:00 a.m.
 Kato, Yuki, Sunday-037-2:00 p.m.
 Kats, Elyse, Saturday-024-9:55 a.m.
 Katsikis, Nikolaos, Saturday-099-1:10 p.m., Saturday-099-3:05 p.m., Saturday-099-5:00 p.m.
 Katsinas, Philipp, Saturday-097-9:55 a.m.
 Katz, Cindi, Sunday-038-9:55 a.m., Thursday-001-9:55 a.m.
 Katz, David, Saturday-062-9:55 a.m.
 Katz, Rebecca, Friday-053-1:10 p.m.
 Kaufman, Andrew, Friday-086-1:10 p.m.
 Kaufman, Emily, Wednesday-086-12:40 p.m., Wednesday-039-4:30 p.m., Saturday-010-3:05 p.m.
 Kaufman, Jason, Thursday-097-8:00 a.m.
 Kaulard, Anke, Friday-010-8:00 a.m., Friday-010-1:10 p.m.
 Kaur, Komal, Friday-043.5-8:00 a.m.
 Kauten, Rebecca, Friday-065-8:00 a.m.
 Kay, Kelly, Sunday-066-8:00 a.m., Saturday-097-8:00 a.m., Saturday-097-9:55 a.m., Saturday-097-1:10 p.m., Friday-012-9:55 a.m.
 Kayanan, Carla, Friday-020-3:05 p.m.
 KAYMAZ, Çağlar, Saturday-016-9:55 a.m.
 KAYMAZ KOCA, SENEM, Sunday-047-8:00 a.m.
 Keams, Sasha, Thursday-043.1-8:00 a.m.
 Kear, Mark, Sunday-036-9:55 a.m., Sunday-090-8:00 a.m.
 Kearns, Robin, Thursday-053-5:00 p.m.
 Keating, Thomas, Thursday-002-8:00 a.m.
 Keatinge, Brenna, Thursday-050-3:05 p.m.
 Kebbede, Girma, Friday-025-5:00 p.m.
 Kebede, Maraki, Thursday-064-9:55 a.m.
 Kechagia, Magdalini, Sunday-039-8:00 a.m.
 Kedron, Peter, Wednesday-081-8:00 a.m., Wednesday-081-9:55 a.m., Wednesday-081-12:40 p.m., Wednesday-081-2:35 p.m., Wednesday-081-4:30 p.m., Thursday-081-8:00 a.m., Thursday-081-9:55 a.m., Thursday-081-1:10 p.m., Saturday-099-8:00 a.m., Saturday-099-9:55 a.m.
 Kedzior, Sya, Thursday-010-5:00 p.m., Thursday-054-3:05 p.m.
 Keegan, Caroline, Sunday-061-8:00 a.m., Sunday-061-9:55 a.m.
 Keeler, Corinna, Wednesday-056-4:30 p.m.
 Keeley, Melissa, Sunday-089-2:00 p.m.
 Keellings, David, Thursday-060-8:00 a.m.
 Keen, Jolene, Saturday-068-3:05 p.m., Thursday-032-5:00 p.m.
 Keenan, Kevin, Sunday-074-8:00 a.m.
 Kelley, Lisa, Wednesday-074-12:40 p.m., Wednesday-074-2:35 p.m., Thursday-054-8:00 a.m., Thursday-054-9:55 a.m., Friday-002-8:00 a.m., Saturday-066-5:00 p.m.
 Kelley, Maureen, Thursday-016-3:05 p.m.
 Kelley, Scott, Wednesday-039-8:00 a.m., Wednesday-039-9:55 a.m.
 Kelliher, Diarmaid, Wednesday-031-9:55 a.m.
 Kelly, Charles, Friday-048-8:00 a.m.
 Kelly, John, Thursday-083-8:00 a.m., Sunday-086-3:55 p.m.
 Kelly, Meghan, Saturday-102-8:00 a.m., Thursday-034-8:00 a.m., Friday-033.5-8:00 a.m., Saturday-100-5:00 p.m., Thursday-093-9:55 a.m.
 Kelly, Philip, Saturday-061-1:10 p.m., Friday-002-8:00 a.m.
 Kelly, Sarah, Wednesday-083-12:40 p.m., Thursday-098-1:10 p.m.
 Kemeny, Thomas, Friday-100-9:55 a.m., Friday-100-1:10 p.m., Friday-005-5:00 p.m.
 Kemp, Karen, Thursday-011-8:00 a.m., Friday-033-9:55 a.m.
 Kendall, John, Thursday-012-9:55 a.m.
 Kennedy, Lisa, Friday-043.1-3:05 p.m., Thursday-023-9:55 a.m.
 Kennedy, S. Wright, Saturday-004-8:00 a.m.
 Kennedy-Slaney, Liam, Sunday-027-3:55 p.m.
 Kennelly, Patrick, Wednesday-032-8:00 a.m.
 Kenney-Lazar, Miles, Saturday-094-9:55 a.m., Thursday-005-9:55 a.m., Thursday-005-1:10 p.m., Friday-094-9:55 a.m.
 Kenreich, Todd, Friday-024-8:00 a.m.
 Kenttamaa Squires, Kai, Friday-068-8:00 a.m.
 Keon, Dylan, Sunday-054-9:55 a.m.
 Keough, Sara, Thursday-074-3:05 p.m., Friday-086-3:05 p.m.
 Kerbler, Jackeline, Thursday-043.3-9:55 a.m.
 Kern, Daniel, Friday-006-3:05 p.m.
 Kerr, Matthew, Thursday-066-8:00 a.m., Thursday-066-9:55 a.m., Thursday-066-1:10 p.m., Thursday-066-3:05 p.m.
 Kerr, Roseann, Thursday-101-9:55 a.m.
 Kerrigan, Danielle, Sunday-074-8:00 a.m.
 Kerski, Joseph, Thursday-043.1-9:55 a.m., Saturday-047-8:00 a.m., Saturday-069-3:05 p.m.
 Kessler, Fritz, Wednesday-032-8:00 a.m.
 Kettle, Nathan, Friday-057-1:10 p.m.
 Keul, Adam, Thursday-102-3:05 p.m., Wednesday-073-4:30 p.m.
 Kevin, Konty, Friday-056-3:05 p.m.
 Kewada, Rakhee, Friday-008-3:05 p.m.
 Keyel, Jared, Wednesday-088-2:35 p.m.
 Khabazi, Maryam, Wednesday-066-12:40 p.m., Friday-047-8:00 a.m.
 Khadka, Saaru, Friday-049-5:00 p.m.
 Khaef, Samaneh, Thursday-089-3:05 p.m.
 Khaghani, Amir, Friday-028-5:00 p.m.
 Khalid, Zahra, Saturday-073-3:05 p.m., Friday-101-8:00 a.m., Friday-101-3:05 p.m.
 Khallaghi, Sam, Saturday-033.5-8:00 a.m.
 Khan, Anna, Friday-043.1-9:55 a.m.
 Khan, Mahnoor, Thursday-043.1-8:00 a.m.
 Khan, Manna, Thursday-043.1-8:00 a.m.
 Khan, Mehedi, Sunday-006-8:00 a.m.
 Khan, Sher, Wednesday-088-2:35 p.m.
 Khan, Solaiman, Saturday-043.3-9:55 a.m.
 Khan, Tunaggina, Wednesday-089-4:30 p.m.
 Khan, Yasmin, Wednesday-007-2:35 p.m.
 Khan, Zarin, Saturday-023-8:00 a.m., Saturday-023-9:55 a.m.
 KHAN, MOHAMMAD, Thursday-043.4-9:55 a.m.
 Khandelwal, Shruti, Thursday-043.3-3:05 p.m.
 Khatami, Reza, Saturday-066-8:00 a.m., Saturday-066-9:55 a.m.
 Khe, Sriram, Wednesday-082-2:35 p.m.
 Khortseva, Natalia, Friday-043.2-9:55 a.m.
 Khuc, Quy, Wednesday-058-9:55 a.m.
 Khym, Do, Friday-043.1-1:10 p.m.
 Kiage, Lawrence, Thursday-066-3:05 p.m.
 Kiely, Edward, Thursday-099-9:55 a.m.
 Kiessling, Brittany, Saturday-058-3:05 p.m.
 Kilar, Wioletta, Thursday-024-5:00 p.m.
 Kilfoil, Patrick, Friday-020-1:10 p.m., Saturday-080-8:00 a.m.
 Kim, Daehyun, Wednesday-056-8:00 a.m., Wednesday-056-9:55 a.m.
 Kim, Dohyeong, Saturday-043.3-9:55 a.m.
 Kim, Dohyung, Friday-066-8:00 a.m.
 Kim, Eun-Kyeong, Wednesday-068-9:55 a.m.
 Kim, Hana, Thursday-056-8:00 a.m.
 Kim, Hyun, Thursday-054-1:10 p.m., Thursday-043.3-9:55 a.m.
 Kim, Jihyun, Friday-095-1:10 p.m.
 Kim, Jinwon, Sunday-055-9:55 a.m., Saturday-090-3:05 p.m., Saturday-090-5:00 p.m., Thursday-043.1-1:10 p.m.
 Kim, Junghwan, Thursday-060-3:05 p.m.
 Kim, Kamyoun, Saturday-034-9:55 a.m.
 Kim, Kyusik, Sunday-016-8:00 a.m.
 Kim, Minji, Thursday-022-3:05 p.m.
 Kim, Nari, Saturday-004-9:55 a.m., Friday-088-5:00 p.m.
 Kim, Seungwon, Thursday-098-3:05 p.m., Sunday-056-9:55 a.m.
 Kim, Veda, Wednesday-092-4:30 p.m.
 Kim, Yeonhee, Saturday-007-3:05 p.m.
 Kim, Youjin, Friday-043.4-1:10 p.m.
 KIM, MINSEO, Saturday-082-1:10 p.m.
 KIM, SEONGHUN, Sunday-047-9:55 a.m.
 Kimberley, Nicholas, Saturday-092-1:10 p.m.
 Kimosop, Peter, Thursday-058-5:00 p.m.
 Kinder, Kimberley, Wednesday-053-4:30 p.m.
 King, Brian, Saturday-102-3:05 p.m., Saturday-102-5:00 p.m., Friday-031-1:10 p.m.
 King, Dewitt, Friday-070-8:00 a.m.

PARTICIPANT INDEX

- King, Hannah, Friday-047-8:00 a.m.
 King, Lindsay, Thursday-043.1-8:00 a.m.
 King, Romina, Wednesday-052-12:40 p.m.
 Kingsbury, Paul, Friday-034-9:55 a.m., Thursday-012-5:00 p.m.,
 Wednesday-093-8:00 a.m., Wednesday-093-9:55 a.m., Wednesday-093-12:40 p.m.
 Kinkaid, Eden, Thursday-026-1:10 p.m., Friday-031-3:05 p.m., Thursday-026-3:05 p.m.,
 Sunday-023-9:55 a.m.
 Kinlaw, Timothy, Friday-052-1:10 p.m.
 Kinlocke, Robert, Thursday-083-3:05 p.m.
 Kinnee, Ellen, Friday-056-3:05 p.m., Saturday-043.3-9:55 a.m.
 Kinsey, Dirk, Friday-103-5:00 p.m.
 Kinsley, Bridget, Wednesday-049-12:40 p.m.
 Kinslow, Karen, Sunday-090-2:00 p.m.
 Kinyanjui, Mary, Friday-027-9:55 a.m.
 Kinzer, Michelle, Saturday-053-3:05 p.m., Wednesday-007-12:40 p.m.,
 Thursday-002-11:45 a.m.
 Kipfer, Stefan, Saturday-047-5:00 p.m., Saturday-099-1:10 p.m.
 Kirilenko, Andrei, Saturday-090-1:10 p.m., Saturday-090-3:05 p.m.,
 Saturday-043.7-8:00 a.m., Saturday-090-5:00 p.m.
 Kirmizi, Meric, Sunday-040-3:55 p.m.
 Kirsch, Scott, Sunday-067-8:00 a.m.
 Kirschner, Franziska, Saturday-097-5:00 p.m.
 Kitada, Eri, Friday-026-5:00 p.m.
 Kitson, Jennifer, Friday-074-1:10 p.m., Thursday-028-5:00 p.m.,
 Wednesday-093-2:35 p.m., Wednesday-093-4:30 p.m.
 Kitsos, Tasos, Sunday-088-8:00 a.m.
 Klasic, Meghan, Wednesday-091-4:30 p.m., Sunday-068-8:00 a.m.
 Klaybor, Jacob, Saturday-043.3-9:55 a.m.
 Kleibert, Jana, Wednesday-012-12:40 p.m.
 Klein, Brian, Thursday-073-5:00 p.m.
 Klein, Julia, Friday-072-8:00 a.m., Friday-072-9:55 a.m., Friday-072-1:10 p.m.,
 Friday-072-3:05 p.m.
 Klein, Nicholas, Friday-031-8:00 a.m., Friday-083-5:00 p.m.
 Klein, Peter, Friday-032-5:00 p.m.
 Kleiner, Timo, Saturday-027-8:00 a.m.
 Klem, Christopher, Friday-043.3-3:05 p.m.
 Klenk, Feras, Wednesday-012-2:35 p.m.
 Klepeis, Peter, Wednesday-088-8:00 a.m.
 Klimaszewski-Patterson, Anna, Thursday-027-9:55 a.m.
 Kline, Carol, Sunday-027-9:55 a.m., Thursday-006-1:10 p.m., Saturday-084-5:00 p.m.
 Klippel, Alexander, Friday-074-1:10 p.m., Friday-074-3:05 p.m., Thursday-072-
 5:00 p.m., Friday-074-5:00 p.m.
 Klockow-McClain, Kimberly, Friday-087-3:05 p.m.
 Klonari, Katerina, Thursday-017-5:00 p.m., Friday-024-8:00 a.m.
 Klosterkamp, Sarah, Friday-024-1:10 p.m.
 Knaap, Elijah, Thursday-090-8:00 a.m., Thursday-090-9:55 a.m., Sunday-040-3:55 p.m.
 Knapp, Gregory, Friday-008-5:00 p.m.
 Knapp, Paul, Friday-043.1-3:05 p.m.
 Knauerhase, Emma, Sunday-057-3:55 p.m., Friday-056-5:00 p.m.
 Kneas, David, Friday-035-9:55 a.m.
 Knieter, Dave, Sunday-027-9:55 a.m.
 Knopp, Lawrence, Wednesday-003-4:30 p.m.
 Knowles, Anne, Saturday-102-8:00 a.m., Saturday-102-9:55 a.m.
 Knox, Abigail, Wednesday-084-2:35 p.m.
 Knox-Hayes, Janelle, Friday-056-1:10 p.m., Thursday-023-1:10 p.m.,
 Thursday-023-3:05 p.m., Thursday-023-5:00 p.m.
 Knudsen, Daniel, Saturday-060-9:55 a.m., Sunday-058-8:00 a.m.
 Knudson, Chris, Saturday-094-1:10 p.m., Wednesday-034-2:35 p.m.,
 Wednesday-034-4:30 p.m.
 Knuth, Sarah, Sunday-036-9:55 a.m., Sunday-020-8:00 a.m., Friday-012-9:55 a.m.,
 Saturday-032-8:00 a.m., Saturday-032-9:55 a.m., Saturday-032-1:10 p.m.
 Ko, Byeung Ok, Saturday-092-9:55 a.m.
 Ko, Jaeho, Saturday-043.3-9:55 a.m.
 Kobayashi, Audrey, Friday-081-8:00 a.m., Saturday-084-8:00 a.m., Friday-036-3:05
 p.m., Friday-084-1:10 p.m., Friday-081-5:00 p.m.
 Kobayashi, Mai, Thursday-024-3:05 p.m.
 Koch, Natalie, Thursday-069-8:00 a.m., Wednesday-037-4:30 p.m.,
 Wednesday-037-2:35 p.m., Friday-019-5:00 p.m.
 Kocher, Austin, Wednesday-087-2:35 p.m., Saturday-097-3:05 p.m.,
 Friday-024-1:10 p.m.
 Kocourkova, Jirina, Friday-089-1:10 p.m.
 Koelemaij, Jorn, Saturday-038-5:00 p.m.
 Koens, Ko, Wednesday-065-12:40 p.m., Friday-090-5:00 p.m., Saturday-005-8:00
 a.m., Saturday-084-5:00 p.m., Wednesday-065-2:35 p.m.
 Koepke, Melora, Friday-012-1:10 p.m.
 Koeppen, Bernhard, Wednesday-089-12:40 p.m.
 Koester, Tai, Saturday-089-1:10 p.m.
 Kogler, Dieter, Thursday-081-3:05 p.m., Thursday-081-5:00 p.m.,
 Wednesday-081-8:00 a.m., Wednesday-081-9:55 a.m., Wednesday-081-12:40 p.m.,
 Wednesday-081-2:35 p.m., Wednesday-081-4:30 p.m., Thursday-081-8:00 a.m.,
 Thursday-081-9:55 a.m., Thursday-081-1:10 p.m., Friday-005-5:00 p.m.,
 Saturday-099-8:00 a.m., Saturday-099-9:55 a.m.
 Koh, Donghee, Saturday-083-8:00 a.m.
 Koh, Ilyun, Thursday-098-3:05 p.m., Saturday-101-5:00 p.m.
 Koh, Vanessa, Wednesday-057-8:00 a.m.
 Kohl, Adam, Friday-043.2-8:00 a.m.
 Kohl, Ellen, Thursday-084-3:05 p.m., Sunday-061-3:55 p.m.
 Kohli, Neha, Friday-032-9:55 a.m.
 Kohout, Michal, Sunday-024-8:00 a.m.
 Kok, Herman, Thursday-074-1:10 p.m.
 Kolak, Marynia, Thursday-087-3:05 p.m., Thursday-087-5:00 p.m.
 Kolarik, Nicholas, Thursday-067-3:05 p.m., Thursday-043.4-9:55 a.m.
 Kolinjivadi, Vijay, Saturday-101-1:10 p.m., Friday-084-8:00 a.m., Friday-084-9:55 a.m.
 Kolivras, Korine, Thursday-043.2-3:05 p.m., Sunday-056-8:00 a.m.
 Kolvoord, Bob, Saturday-025-9:55 a.m.
 Komornicki, Tomasz, Thursday-082-9:55 a.m.
 Komoto, Kara, Thursday-043.1-8:00 a.m.
 Komwa, Maction, Sunday-062-2:00 p.m.
 Kong, Derong, Saturday-063-3:05 p.m.
 Kong, Inhye, Thursday-098-3:05 p.m., Saturday-058-3:05 p.m.
 Kong, Xiangfu, Thursday-019-1:10 p.m.
 Kong, Xianghui, Saturday-054-8:00 a.m.
 Kong, Xuesong, Saturday-034-1:10 p.m., Thursday-062-9:55 a.m.
 Konijnendijk, Cecil, Wednesday-090-12:40 p.m., Wednesday-090-2:35 p.m.
 Konkor, Irenius, Wednesday-003-12:40 p.m.
 Konsoer, Kory, Saturday-065-8:00 a.m., Saturday-065-9:55 a.m., Saturday-065-3:05 p.m.
 Koo, Yangmi, Saturday-092-9:55 a.m., Friday-019-8:00 a.m., Sunday-047-9:55 a.m.
 Koopman, Sara, Friday-043.1-9:55 a.m., Saturday-102-9:55 a.m.,
 Saturday-039-5:00 p.m., Friday-088-8:00 a.m.
 Koorberg, Pille, Saturday-039-9:55 a.m.
 Kopack, Robert, Saturday-019-9:55 a.m.
 Kory, William, Thursday-043.2-1:10 p.m.
 Koscielniak, Michael, Sunday-036-9:55 a.m., Sunday-040-3:55 p.m.
 Koskinen, Scotti, Saturday-043.3-9:55 a.m.
 Kossie-Chernyshev, Karen, Saturday-100-9:55 a.m.
 Kostecky, Eric, Wednesday-091-4:30 p.m.
 Kostell, Steven, Saturday-003-9:55 a.m.
 Koszegi, Margit, Saturday-019-8:00 a.m.
 Koti, Francis, Wednesday-069-8:00 a.m., Saturday-093-8:00 a.m.,
 Saturday-073-1:10 p.m.
 Kotilainen, Juha, Saturday-003-5:00 p.m.
 Kou, Lirong, Saturday-089-1:10 p.m.
 Kowalski, Janina, Wednesday-090-9:55 a.m.
 Kozar, Jonathan, Thursday-024-5:00 p.m.
 Kpienbaareh, Daniel, Wednesday-055-12:40 p.m.
 Kraak, Menno-Jan, Wednesday-032-9:55 a.m., Saturday-100-5:00 p.m.,
 Wednesday-068-8:00 a.m.
 Krafft, Aimee, Wednesday-039-8:00 a.m.
 Kramar, David, Friday-067-9:55 a.m.
 Kramer, Adrienne, Wednesday-069-2:35 p.m., Wednesday-069-9:55 a.m.
 Kramsky, Yanin, Sunday-070-8:00 a.m.
 Krantz, David, Saturday-103-8:00 a.m.
 Krause, Matthew, Thursday-035-8:00 a.m.
 Krause, Samantha, Friday-054-9:55 a.m., Friday-054-3:05 p.m., Friday-054-5:00 p.m.
 Krauser, Laura, Thursday-043.4-9:55 a.m.
 Krauss, Hannah, Friday-088-1:10 p.m.
 Krehl, Angelika, Wednesday-094-8:00 a.m.
 Kreichauf, Rene, Friday-007-3:05 p.m., Thursday-026-5:00 p.m., Sunday-092-8:00

PARTICIPANT INDEX

- a.m., Friday-024-1:10 p.m.
 Kremer, Peleg, Thursday-033-5:30 p.m.
 Krishnan, Sneha, Saturday-098-3:05 p.m., Sunday-064-9:55 a.m.
 Krithivasan, Roopa, Saturday-065-5:00 p.m.
 Kroepsch, Adrienne, Sunday-094-9:55 a.m.
 Krupala, Katie, Friday-050-1:10 p.m.
 Krupar, Shiloh, Friday-053-8:00 a.m., Sunday-064-8:00 a.m.
 Kuby, Michael, Wednesday-039-8:00 a.m., Friday-091-9:55 a.m.,
 Wednesday-039-9:55 a.m.
 Kuckuck, Miriam, Thursday-089-1:10 p.m.
 Kudym, Seth, Friday-074-3:05 p.m.
 Kuebart, Andreas, Friday-020-3:05 p.m.
 Kuettel, Nora, Wednesday-087-9:55 a.m.
 Kuhl, Laura, Saturday-063-9:55 a.m., Thursday-088-5:00 p.m.
 Kühn, Annika, Thursday-099-8:00 a.m.
 Kujawa, Richard, Thursday-031-1:10 p.m.
 Kuklina, Maria, Friday-103-9:55 a.m.
 Kuklina, Vera, Friday-103-9:55 a.m., Friday-103-1:10 p.m.
 Kulbicki, Kathryn, Sunday-069-8:00 a.m., Saturday-069-1:10 p.m.,
 Sunday-057-8:00 a.m.
 Kulusjärvi, Outi, Thursday-102-3:05 p.m.
 Kumagai, Mika, Thursday-043-2:30 p.m.
 Kumar, Abhishek, Wednesday-091-4:30 p.m., Thursday-043-1-8:00 a.m.,
 Saturday-033-5-8:00 a.m.
 Kumar, Amit, Saturday-008-9:55 a.m.
 Kumar, Ashok, Friday-099-1:10 p.m.
 Kumar, M.Satish, Thursday-010-5:00 p.m., Saturday-007-8:00 a.m.
 Kumar, Sanjeev, Sunday-093-9:55 a.m.
 KUMARI, APARNA, Wednesday-053-2:35 p.m.
 Kumler, Mark, Thursday-043-1-9:55 a.m., Saturday-070-5:00 p.m.
 Kuniholm, Matthew, Saturday-025-8:00 a.m.
 Kunze, Don, Wednesday-093-9:55 a.m.
 Kures, Matthew, Thursday-049-1:10 p.m.
 Kurt, Sümeýra, Saturday-058-8:00 a.m.
 Kurtz, Hilda, Saturday-098-8:00 a.m.
 Kurvinen, Antti, Sunday-093-9:55 a.m.
 Kuschnitzki, Judit, Thursday-102-9:55 a.m.
 Kusek, Weronika, Wednesday-070-9:55 a.m., Wednesday-069-4:30 p.m.
 Kushinski, Alysse, Thursday-061-1:10 p.m.
 Kushkin, Andrei, Saturday-049-1:10 p.m.
 Kutscher, Lindsay, Saturday-043-3-9:55 a.m.
 Kuttler, Tobias, Sunday-053-9:55 a.m.
 Kutz, William, Saturday-064-8:00 a.m.
 Kuuire, Vincent, Wednesday-056-4:30 p.m.
 Kuus, Merje, Thursday-102-9:55 a.m., Thursday-102-1:10 p.m.
 Kuwayama, Saachi, Saturday-028-5:00 p.m.
 Kuwayama, Yusuke, Thursday-052-8:00 a.m.
 Kveton, Viktor, Friday-001-8:00 a.m.
 Kvit, Anton, Thursday-043-2-3:05 p.m.
 Kwan, Mei-Po, Friday-060-3:05 p.m., Saturday-060-8:00 a.m., Friday-043-2-3:05
 p.m., Thursday-060-3:05 p.m., Wednesday-068-9:55 a.m., Friday-081-5:00 p.m.,
 Friday-047-9:55 a.m., Saturday-089-1:10 p.m., Saturday-028-8:00 a.m.,
 Sunday-056-2:00 p.m., Thursday-053-9:55 a.m., Friday-053-9:55 a.m.,
 Thursday-053-1:10 p.m., Thursday-053-3:05 p.m., Friday-005-3:05 p.m.,
 Wednesday-002-6:20 p.m.
 Kwasigroch, Jacqueline, Saturday-074-5:00 p.m.
 Kwon, Hoeyun, Thursday-060-8:00 a.m., Wednesday-001-2:35 p.m.
 Kyeremeh, Emmanuel, Wednesday-056-4:30 p.m.
 Kyne, Dean, Thursday-016-5:00 p.m.
- Lackstrom, Kirsten, Friday-061-8:00 a.m., Saturday-084-3:05 p.m.
 Lacsny, Elisabeth, Friday-086-3:05 p.m.
 LaDue, Noelle, Thursday-043-3-3:05 p.m.
 Lafon, Charles, Thursday-094-8:00 a.m.
 LaFone, Frank, Thursday-035-3:05 p.m.
 Lafreniere, Donald, Saturday-004-8:00 a.m., Thursday-061-5:00 p.m.
 LaGassey, Hannah, Friday-043-1-3:05 p.m.
 Lagendijk, Arnoud, Saturday-050-9:55 a.m.
 Lai, Bailey, Saturday-043-3-9:55 a.m.
 Lai, Feilin, Friday-066-9:55 a.m., Wednesday-049-4:30 p.m.
 Lai, Karen, Wednesday-065-4:30 p.m., Thursday-023-3:05 p.m.
 Lai, Wenjie, Friday-057-8:00 a.m.
 Lai, Zhizhu, Saturday-048-5:00 p.m., Thursday-057-8:00 a.m.
 Laine, Jussi, Saturday-007-1:10 p.m., Saturday-018-8:00 a.m.
 Laing, Craig, Thursday-043-1-1:10 p.m.
 Laingen, Christopher, Friday-043-3-1:10 p.m.
 Laituri, Melinda, Friday-009-8:00 a.m.
 Lake, Flavia Maria, Friday-089-3:05 p.m.
 Lake, Robert, Friday-083-5:00 p.m.
 Laliberte, Nicole, Wednesday-087-12:40 p.m., Friday-016-9:55 a.m.,
 Wednesday-087-2:35 p.m.
 Lall, Ruchika, Friday-083-3:05 p.m.
 Lally, Anne, Saturday-023-3:05 p.m.
 Lally, Nick, Friday-038-9:55 a.m., Saturday-089-8:00 a.m., Thursday-060-5:00
 p.m., Saturday-089-9:55 a.m., Thursday-093-9:55 a.m., Saturday-089-1:10 p.m.
 Lam, Nina, Wednesday-087-4:30 p.m., Thursday-097-3:05 p.m.,
 Wednesday-001-2:35 p.m., Thursday-088-9:55 a.m., Thursday-080-5:00 p.m.,
 Wednesday-058-8:00 a.m.
 LaMantia, Tyler, Thursday-072-1:10 p.m.
 Lamb, Rachel, Wednesday-091-4:30 p.m., Sunday-068-8:00 a.m.
 Lambourne, Thomas, Thursday-082-9:55 a.m.
 Lambrou, Nicole, Friday-024-3:05 p.m.
 LAMINA, ALEXANDRA, Saturday-064-3:05 p.m., Wednesday-083-12:40 p.m.
 Lan, Hai, Thursday-035-5:00 p.m.
 Lan, Minxuan, Thursday-039-8:00 a.m.
 Lan, Tian, Sunday-063-2:00 p.m.
 Lan, Tu, Saturday-008-3:05 p.m.
 Lan, Yu, Wednesday-055-2:35 p.m., Sunday-054-9:55 a.m.
 Lancione, Michele, Friday-095-8:00 a.m., Sunday-006-8:00 a.m., Sunday-006-9:55 a.m.
 Landau, Friederike, Friday-007-1:10 p.m.
 Landis, Zachary, Thursday-021-9:55 a.m.
 Landry, Shawn, Wednesday-090-8:00 a.m., Wednesday-090-9:55 a.m.,
 Wednesday-090-12:40 p.m., Wednesday-090-2:35 p.m., Wednesday-090-4:30 p.m.,
 Saturday-048-8:00 a.m.
 Lane, Jesse, Friday-043-3-3:05 p.m.
 Lane, Maria, Wednesday-050-12:40 p.m.
 Langella, Jaclyn, Wednesday-066-4:30 p.m.
 Langford, Mitchel, Friday-082-3:05 p.m.
 Langhorst, Joern, Wednesday-086-2:35 p.m., Saturday-054-3:05 p.m.,
 Sunday-026-8:00 a.m., Friday-060-8:00 a.m., Friday-060-9:55 a.m.,
 Friday-060-1:10 p.m., Sunday-026-9:55 a.m.
 Langill, Jennifer, Thursday-103-8:00 a.m., Thursday-103-9:55 a.m.,
 Thursday-103-1:10 p.m., Friday-032-8:00 a.m., Friday-032-9:55 a.m.
 Lannon, Heidi, Thursday-043-1-8:00 a.m., Friday-033-5-9:55 a.m.
 Lansing, David, Friday-031-1:10 p.m.
 Lantto, Henni, Thursday-061-1:10 p.m., Thursday-061-3:05 p.m.
 Lanz Oca, Enrique, Friday-058-9:55 a.m.
 LaPanne, Jason, Thursday-043-3-3:05 p.m.
 Lapisis, Andrei, Saturday-049-9:55 a.m., Thursday-043-4-9:55 a.m.
 Lapintie, Kimmo, Thursday-020-3:05 p.m.
 Lapworth, Andrew, Thursday-002-8:00 a.m., Friday-007-5:00 p.m.
 Laquatra, Joseph, Friday-063-1:10 p.m.
 Large, Daniel, Friday-010-3:05 p.m.
 Laris, Paul, Thursday-094-1:10 p.m.
 Lamer, Wendy, Saturday-036-1:10 p.m., Saturday-036-5:00 p.m., Sunday-081-9:55 a.m.
 Larocca, Laura, Thursday-043-1-8:00 a.m.
 Larsen, Caroline, Saturday-057-8:00 a.m.
 Larsen, Soren, Friday-065-3:05 p.m., Sunday-081-2:00 p.m.
 Larsen, Thomas, Thursday-041-3:05 p.m., Thursday-041-1:10 p.m.

L

- Laatikainen, Tiina, Friday-055-9:55 a.m., Friday-055-3:05 p.m., Thursday-060-9:55
 a.m., Wednesday-058-4:30 p.m., Sunday-056-2:00 p.m.
 Labbe, Danielle, Friday-081-1:10 p.m.
 Laborgne, Pia, Thursday-023-8:00 a.m., Wednesday-083-8:00 a.m.
 Labosier, Christopher, Saturday-043-3-9:55 a.m.
 LaCharite, Kerri, Saturday-074-5:00 p.m.

PARTICIPANT INDEX

- Larson, Stevie, Saturday-006-3:05 p.m.
 Larson, Susan, Wednesday-087-9:55 a.m.
 Laso, Francisco, Saturday-101-5:00 p.m.
 Lasode, Mayowa, Friday-043.4-3:05 p.m.
 Lassalle, Paul, Friday-070-3:05 p.m., Thursday-016-1:10 p.m.
 Latham, Alan, Friday-095-8:00 a.m., Friday-095-9:55 a.m., Friday-095-1:10 p.m., Friday-095-3:05 p.m., Sunday-005-8:00 a.m.
 Latulippe, Nicole, Friday-102-9:55 a.m.
 Lauermann, John, Friday-064-5:00 p.m., Wednesday-009-2:35 p.m.
 Lausier, Anne, Friday-043.1-1:10 p.m.
 Lavaud-Letilleul, Valérie, Friday-094-3:05 p.m.
 Lave, Rebecca, Thursday-093-1:10 p.m., Wednesday-074-12:40 p.m., Wednesday-074-2:35 p.m., Thursday-054-8:00 a.m., Friday-051-1:10 p.m.
 Lavery, Diana, Friday-004-3:05 p.m.
 Lavigne, Jean, Friday-037-3:05 p.m.
 Lavy, Brendan, Wednesday-068-4:30 p.m., Thursday-048-3:05 p.m., Friday-026-9:55 a.m.
 Law, Justine, Sunday-081-8:00 a.m.
 Lawhon, Mary, Saturday-095-8:00 a.m., Sunday-048-9:55 a.m., Wednesday-012-4:30 p.m.
 Lawler, Laura, Thursday-088-3:05 p.m.
 Lawrence, Anna, Saturday-067-9:55 a.m.
 Lawrence, Patrick, Wednesday-091-4:30 p.m.
 Lawrence, Ted, Friday-066-3:05 p.m.
 Lawston, Patricia, Wednesday-069-2:35 p.m.
 Lawton Smith, Helen, Friday-070-3:05 p.m., Wednesday-081-12:40 p.m.
 Laxton, Alexander, Sunday-047-2:00 p.m.
 Layton, Jack, Friday-095-8:00 a.m., Friday-095-9:55 a.m., Friday-095-1:10 p.m., Friday-095-3:05 p.m.
 Lazarus, Naomi, Thursday-048-8:00 a.m., Thursday-048-9:55 a.m., Thursday-048-1:10 p.m., Thursday-048-3:05 p.m., Friday-048-8:00 a.m., Friday-048-5:00 p.m., Friday-048-9:55 a.m., Friday-048-1:10 p.m., Friday-048-3:05 p.m., Saturday-048-8:00 a.m., Saturday-048-9:55 a.m.
 Lazzarini, Alicia, Saturday-012-3:05 p.m.
 Le, Huyen, Thursday-091-1:10 p.m.
 Le Bossé, Mathias, Wednesday-038-8:00 a.m.
 Le Noc, Maël, Wednesday-053-4:30 p.m.
 Lea, Devin, Thursday-048-9:55 a.m.
 Leach, Andrew, Thursday-064-3:05 p.m.
 Leader, Alexandra, Thursday-048-8:00 a.m., Friday-043.2-8:00 a.m.
 Leavitt, Luke, Saturday-061-5:00 p.m.
 Lebeda, Caitlin, Friday-043.1-9:55 a.m.
 Lebron, Marisol, Thursday-007-1:10 p.m., Friday-017-5:00 p.m., Wednesday-039-4:30 p.m.
 Lecce, Scott, Saturday-065-8:00 a.m., Friday-043.4-8:00 a.m.
 Lechtenberg, Devon, Sunday-063-2:00 p.m.
 Leder, Stephanie, Saturday-009-1:10 p.m.
 Ledermann, Samuel, Friday-097-9:55 a.m.
 LeDoux, St. Thomas, Wednesday-008-12:40 p.m.
 Lee, Boram, Thursday-043.7-1:10 p.m., Thursday-043.1-1:10 p.m.
 Lee, Cameron, Friday-048-8:00 a.m., Thursday-062-5:00 p.m.
 Lee, Changjun, Saturday-036-9:55 a.m., Wednesday-081-9:55 a.m.
 Lee, Changmin, Thursday-043.1-8:00 a.m.
 Lee, Chan-mi, Thursday-043.3-3:05 p.m.
 Lee, Do, Friday-038-8:00 a.m., Sunday-024-3:55 p.m.
 Lee, Eungul, Friday-052-9:55 a.m., Wednesday-058-8:00 a.m.
 Lee, Gunhak, Saturday-056-8:00 a.m.
 Lee, Hosuk, Friday-083-9:55 a.m.
 Lee, Jane YeonJae, Saturday-036-8:00 a.m., Saturday-036-9:55 a.m.
 Lee, Jieun, Thursday-043.2-3:05 p.m.
 Lee, Jinhyung, Thursday-056-3:05 p.m., Wednesday-091-12:40 p.m.
 Lee, Jinsoo, Friday-019-8:00 a.m.
 Lee, Jiwon, Friday-019-8:00 a.m.
 Lee, Jiyoung, Thursday-043.3-9:55 a.m.
 Lee, Kangjae, Saturday-060-8:00 a.m., Friday-047-9:55 a.m., Friday-056-5:00 p.m.
 Lee, Kevin, Friday-012-3:05 p.m.
 Lee, Nancy, Friday-097-5:00 p.m.
 Lee, Peter, Friday-067-5:00 p.m.
 Lee, Sang-Il, Saturday-020-9:55 a.m.
 Lee, Zhe Yu, Sunday-024-9:55 a.m.
 LEE, JAE-CHEON, Saturday-043.3-9:55 a.m.
 LEE, JAEYEON, Wednesday-093-12:40 p.m.
 LEE, JINA, Thursday-016-1:10 p.m.
 Leef, Morgan, Friday-043.1-3:05 p.m.
 Leetmaa, Kadri, Sunday-005-9:55 a.m.
 Lefevre, Manon, Saturday-039-5:00 p.m.
 Legg, Stephen, Thursday-031-8:00 a.m., Saturday-098-3:05 p.m., Saturday-098-5:00 p.m.
 Lehman, Jessica, Friday-034-8:00 a.m., Friday-061-3:05 p.m., Sunday-080-8:00 a.m., Wednesday-057-9:55 a.m.
 Lehner, Michael, Thursday-053-8:00 a.m.
 Lehrer, Ute, Friday-095-1:10 p.m.
 Lehtovuori, Panu, Sunday-093-8:00 a.m., Sunday-093-9:55 a.m.
 Leib, Jonathan, Friday-034-5:00 p.m.
 Leichenko, Robin, Saturday-061-3:05 p.m., Wednesday-084-4:30 p.m.
 Leidman, Sasha, Thursday-033.5-1:10 p.m., Saturday-057-9:55 a.m.
 Leiferman, David, Saturday-043.1-8:00 a.m.
 Leiper, Chelsea, Thursday-060-1:10 p.m., Thursday-093-3:05 p.m., Friday-073-5:00 p.m.
 Leister, Shane, Thursday-043.1-3:05 p.m.
 Leitner, Helga, Sunday-025-8:00 a.m., Saturday-047-3:05 p.m., Saturday-047-5:00 p.m.
 Leitner, Michael, Sunday-069-8:00 a.m., Sunday-069-9:55 a.m., Sunday-069-2:00 p.m., Sunday-069-3:55 p.m., Thursday-043.3-9:55 a.m.
 Leizear, Jake, Saturday-103-5:00 p.m.
 Leland, Caroline, Saturday-052-1:10 p.m.
 Lema, Priscilla, Saturday-043.3-8:00 a.m.
 Lemaire, Denyse, Wednesday-083-2:35 p.m., Friday-026-8:00 a.m.
 Leminen, Aapeli, Thursday-060-9:55 a.m.
 Leneghan, Halle, Friday-043.3-3:05 p.m.
 Lentz, Christian, Sunday-067-8:00 a.m.
 Lenz, Peter, Saturday-069-1:10 p.m., Friday-041-3:05 p.m.
 Lenz, Regina, Wednesday-081-12:40 p.m.
 Leppard, Emma, Friday-043.4-8:00 a.m.
 LeQuesne, Theo, Wednesday-031-8:00 a.m.
 Lerner, Amy, Sunday-091-8:00 a.m., Friday-084-9:55 a.m., Sunday-041-2:00 p.m.
 Lesh, Bruce, Friday-047-3:05 p.m.
 Leslie, Deborah, Saturday-006-3:05 p.m.
 Leslie, Timothy, Thursday-043.2-3:05 p.m.
 Lester, Brittany, Thursday-043.1-8:00 a.m.
 Lester, Kate, Sunday-089-9:55 a.m.
 Lester, Shaneica, Thursday-022-8:00 a.m.
 Leszczynski, Agnieszka, Wednesday-012-8:00 a.m., Wednesday-012-9:55 a.m., Thursday-034-8:00 a.m., Thursday-034-9:55 a.m., Thursday-034-1:10 p.m., Thursday-034-3:05 p.m., Friday-031-5:00 p.m.
 Letzring, Michael, Thursday-043.6-1:10 p.m.
 Leuchanka, Natallia, Sunday-050-9:55 a.m., Sunday-050-2:00 p.m.
 Leuenberger, Christine, Saturday-018-8:00 a.m.
 Leung, Ka Man, Sunday-047-2:00 p.m.
 Leung, Maggi, Saturday-007-3:05 p.m.
 Leung, Yee, Saturday-057-5:00 p.m.
 Leuthart, Cassandra, Sunday-058-8:00 a.m.
 Levenda, Anthony, Saturday-036-5:00 p.m., Thursday-084-9:55 a.m., Thursday-084-1:10 p.m., Thursday-084-5:00 p.m., Wednesday-084-12:40 p.m., Wednesday-084-2:35 p.m., Wednesday-084-4:30 p.m.
 Levenson, Zachary, Wednesday-092-4:30 p.m.
 Levenstein, Margaret, Thursday-053-3:05 p.m.
 Levey, Madeline, Thursday-043.4-1:10 p.m.
 Levi, Masami, Thursday-070-8:00 a.m., Thursday-087-9:55 a.m., Friday-027-1:10 p.m.
 LeVine, Daniel, Thursday-032-8:00 a.m.
 Levkoe, Charles, Wednesday-035-4:30 p.m., Thursday-101-8:00 a.m., Thursday-101-9:55 a.m., Thursday-101-1:10 p.m., Wednesday-035-2:35 p.m.
 Lew, Alan, Saturday-005-1:10 p.m., Thursday-006-1:10 p.m.
 Lewis, Jennifer, Friday-043.1-3:05 p.m.
 Lewis, Jovan, Friday-017-1:10 p.m., Saturday-026-5:00 p.m., Saturday-098-1:10 p.m.
 Lewis, Laura, Thursday-026-8:00 a.m.
 Lewis, Michael, Thursday-043.3-1:10 p.m.
 Lewis, Nathaniel, Wednesday-041-2:35 p.m., Thursday-056-3:05 p.m.
 Lewis, Nemoy, Sunday-020-3:55 p.m.
 Lewis, Nick, Wednesday-057-9:55 a.m., Friday-086-5:00 p.m.

PARTICIPANT INDEX

- Lewis, Quinn, Saturday-065-8:00 a.m., Saturday-065-9:55 a.m., Saturday-065-3:05 p.m.
 Lewis, Robin, Friday-043.3-9:55 a.m., Saturday-010-5:00 p.m.
 Lewis, Sophie, Thursday-033-8:00 a.m., Thursday-061-1:10 p.m.
 Lewison, Elsie, Friday-010-8:00 a.m., Thursday-018-5:00 p.m.
 Li, Bin, Thursday-054-1:10 p.m., Wednesday-058-8:00 a.m., Wednesday-033.5-2:35 p.m.
 Li, Chunjiang, Wednesday-091-8:00 a.m.
 Li, Dapeng, Friday-087-3:05 p.m., Thursday-057-8:00 a.m.
 Li, Dawei, Saturday-041-8:00 a.m.
 Li, Fei, Friday-060-3:05 p.m., Friday-060-5:00 p.m.
 Li, Fengshou, Friday-020-5:00 p.m.
 Li, Geyang, Saturday-033.5-8:00 a.m.
 Li, Gina, Thursday-060-9:55 a.m.
 Li, Han, Thursday-086-8:00 a.m., Thursday-086-9:55 a.m., Thursday-086-1:10 p.m.
 Li, Hang, Thursday-058-8:00 a.m.
 Li, Huan, Wednesday-033.5-2:35 p.m.
 Li, Hui, Friday-067-1:10 p.m.
 Li, Jialei, Thursday-043.3-9:55 a.m.
 Li, Jing, Saturday-060-8:00 a.m., Thursday-027-5:00 p.m., Saturday-068-1:10 p.m.
 Li, Jingjing, Thursday-043.1-8:00 a.m., Thursday-061-5:00 p.m., Friday-021-8:00 a.m.
 Li, Junli, Friday-043.5-8:00 a.m.
 Li, Kenan, Wednesday-068-9:55 a.m.
 Li, Lixin, Wednesday-055-12:40 p.m.
 Li, Lu, Saturday-028-9:55 a.m.
 Li, Luning, Thursday-089-8:00 a.m.
 Li, Maggie, Thursday-043.2-3:05 p.m.
 Li, Meifang, Thursday-032-9:55 a.m., Saturday-056-3:05 p.m.
 Li, Ning, Saturday-054-8:00 a.m.
 Li, Pengfei, Saturday-050-8:00 a.m., Saturday-050-9:55 a.m.
 Li, Puyang, Saturday-066-8:00 a.m.
 Li, Qiaonan, Saturday-100-1:10 p.m.
 Li, Qiuxi, Friday-043.2-9:55 a.m.
 Li, Quanfeng, Wednesday-074-9:55 a.m.
 Li, Rui, Friday-073-8:00 a.m., Saturday-043.1-8:00 a.m.
 Li, Ruopu, Wednesday-049-9:55 a.m., Thursday-035-3:05 p.m., Sunday-070-8:00 a.m., Saturday-103-8:00 a.m., Sunday-088-2:00 p.m.
 Li, Shan, Friday-043.2-9:55 a.m., Saturday-090-3:05 p.m., Saturday-054-8:00 a.m.
 Li, Shirley, Sunday-054-9:55 a.m.
 Li, Shiyang, Sunday-047-9:55 a.m.
 Li, Shujuan, Saturday-091-8:00 a.m.
 Li, Wan, Friday-020-5:00 p.m.
 Li, Wei, Friday-090-3:05 p.m.
 Li, Weifeng, Sunday-060-8:00 a.m.
 Li, Wenliang, Thursday-058-9:55 a.m.
 Li, Wenwen, Wednesday-067-9:55 a.m., Wednesday-008-4:30 p.m., Friday-041-1:10 p.m., Thursday-058-8:00 a.m., Thursday-021-5:00 p.m.
 Li, Xianmin, Friday-099-8:00 a.m.
 Li, Xiao, Friday-073-9:55 a.m., Thursday-035-3:05 p.m.
 Li, Xiaoxuan, Thursday-043.1-8:00 a.m.
 Li, Xin, Friday-090-1:10 p.m.
 Li, Xingong, Friday-033-1:10 p.m., Saturday-058-8:00 a.m.
 Li, Xingyun, Saturday-086-1:10 p.m.
 Li, Xue, Sunday-088-2:00 p.m.
 Li, Xuecao, Friday-073-8:00 a.m., Saturday-086-8:00 a.m., Saturday-086-9:55 a.m., Saturday-086-1:10 p.m.
 Li, Xueying, Thursday-043.3-3:05 p.m.
 Li, Yanan, Friday-043.5-8:00 a.m.
 Li, Yang, Thursday-033.5-5:00 p.m., Thursday-043.4-9:55 a.m.
 Li, Yao, Friday-055-5:00 p.m., Thursday-058-5:00 p.m.
 Li, Yichen, Friday-062-5:00 p.m.
 Li, Yingcheng, Friday-081-1:10 p.m.
 Li, Yingkui, Friday-036-8:00 a.m., Friday-043.4-8:00 a.m., Thursday-043.4-9:55 a.m.
 Li, Yingru, Thursday-043.2-3:05 p.m.
 Li, Yun, Wednesday-008-12:40 p.m., Thursday-036-9:55 a.m., Friday-093-3:05 p.m., Thursday-003-8:00 a.m.
 Li, Zhichao, Friday-056-3:05 p.m.
 Li, Zhiwen, Thursday-043.3-9:55 a.m.
 Li, Ziming, Saturday-043.3-9:55 a.m.
 Li, Ziqi, Wednesday-067-9:55 a.m., Friday-033.5-1:10 p.m.
 LI, CHONG EN, Thursday-043.2-3:05 p.m.
 LI, DANDAN, Thursday-086-1:10 p.m.
 LI, Lin, Wednesday-008-12:40 p.m., Wednesday-008-2:35 p.m.
 LI, Lingyue, Friday-028-1:10 p.m.
 LI, Ruiqi, Wednesday-089-4:30 p.m.
 LI, Shixiang, Friday-099-8:00 a.m.
 LI, XIAO, Friday-073-9:55 a.m., Thursday-035-3:05 p.m.
 LI, Zhenlong, Friday-041-8:00 a.m., Thursday-035-5:00 p.m., Saturday-091-1:10 p.m., Wednesday-087-4:30 p.m., Wednesday-008-12:40 p.m., Thursday-027-5:00 p.m., Saturday-055-8:00 a.m., Thursday-091-9:55 a.m., Thursday-091-1:10 p.m., Thursday-091-3:05 p.m.
 LI, ZHI BIN, Thursday-024-5:00 p.m.
 Liang, Bingqing, Sunday-069-3:55 p.m., Thursday-043.4-9:55 a.m.
 Liang, Jian, Wednesday-008-2:35 p.m.
 Liang, Jingtian, Friday-028-9:55 a.m.
 Liang, Peng, Thursday-097-9:55 a.m.
 Liang, Wanwan, Wednesday-033.5-4:30 p.m.
 Liang, Xiaoyu, Sunday-062-9:55 a.m.
 Liang, Yi, Friday-022-3:05 p.m.
 Liang, Yun, Saturday-043.7-8:00 a.m.
 Liang, Yunlei, Sunday-063-2:00 p.m., Thursday-032-8:00 a.m., Wednesday-033.5-2:35 p.m.
 Liang, Yutian, Saturday-027-8:00 a.m.
 Liao, Chuan, Saturday-066-9:55 a.m.
 Liao, Felix Haifeng, Friday-043.3-1:10 p.m.
 Liao, Liu Wen, Friday-083-1:10 p.m.
 Liao, Lu, Friday-005-1:10 p.m.
 Liao, Qianru, Thursday-063-1:10 p.m.
 LIAO, Shunbao, Saturday-048-5:00 p.m., Thursday-043.3-9:55 a.m.
 Libassi, Matthew, Thursday-049-3:05 p.m.
 Libka, Darby, Saturday-043.7-8:00 a.m.
 Lich, Kathleen, Saturday-060-9:55 a.m.
 Lieberman, Wanda, Wednesday-086-2:35 p.m.
 Liesch, Matthew, Thursday-020-8:00 a.m., Thursday-069-1:10 p.m.
 Lieto, Laura, Saturday-093-3:05 p.m.
 Lightfoot, Dale, Saturday-043.3-8:00 a.m.
 Lilius, Johanna, Thursday-020-3:05 p.m.
 Lim, Eunjung, Saturday-057-5:00 p.m.
 Lim, Sohyung, Thursday-098-3:05 p.m., Saturday-102-5:00 p.m.
 Lim, Sooyeon, Thursday-072-1:10 p.m.
 LIMA, JULIANO, Sunday-063-9:55 a.m.
 Liman, Maryam, Sunday-027-2:00 p.m., Saturday-063-5:00 p.m.
 Limbach, Rowan, Saturday-058-5:00 p.m.
 Limeberry, Veronica, Wednesday-051-12:40 p.m.
 Limpisathian, P., Wednesday-032-12:40 p.m.
 Lin, Cheng-Yi, Saturday-095-5:00 p.m.
 Lin, Chenxi, Wednesday-056-8:00 a.m.
 Lin, Hui, Saturday-020-5:00 p.m., Friday-010-5:00 p.m., Thursday-072-3:05 p.m.
 Lin, Huiyu, Sunday-056-2:00 p.m.
 Lin, Li, Friday-043.1-8:00 a.m., Wednesday-074-4:30 p.m.
 Lin, Pei-An, Saturday-103-8:00 a.m.
 Lin, Shaun, Friday-006-9:55 a.m., Friday-019-5:00 p.m.
 Lin, Weiqiang, Saturday-102-5:00 p.m.
 Lin, Wen, Thursday-093-8:00 a.m., Thursday-041-8:00 a.m.
 Lin, Yan, Friday-055-8:00 a.m., Wednesday-050-12:40 p.m.
 Lin, YuShan, Sunday-060-3:55 p.m.
 Lin, Zhou, Thursday-019-3:05 p.m.
 LIN, SHIH JUNG, Friday-025-1:10 p.m.
 LIN, WEI CHENG, Wednesday-033-2:35 p.m.
 Lindau, Anne-Kathrin, Thursday-043.1-8:00 a.m.
 Lindblom, Jada, Thursday-033.5-5:00 p.m.
 Lindegaard, Louise, Friday-043.2-1:10 p.m.
 Lindemann, Danielle, Thursday-020-3:05 p.m.
 Lindroth, Evan, Saturday-065-9:55 a.m.
 Linke, Andrew, Saturday-082-9:55 a.m.
 Linshu, Hu, Thursday-033.5-3:05 p.m.
 Linz, Jess, Sunday-072-9:55 a.m., Saturday-038-3:05 p.m.
 Lioubimtseva, Elena, Saturday-063-1:10 p.m.
 Lippi, Catherine, Friday-055-9:55 a.m., Thursday-056-9:55 a.m.
 Lippitt, Christopher, Friday-067-8:00 a.m., Saturday-054-1:10 p.m.

PARTICIPANT INDEX

- Lira, Aaron, Thursday-022-1:10 p.m.
 Lira, Selina, Friday-043.1-3:05 p.m.
 Lisle, Benjamin, Thursday-026-9:55 a.m.
 Lisle, Debbie, Friday-007-9:55 a.m., Thursday-090-3:05 p.m.
 Little, Meghan, Thursday-033.5-9:55 a.m.
 Liu, Bochu, Saturday-057-3:05 p.m.
 Liu, Chengbi, Thursday-072-5:00 p.m.
 Liu, Chengliang, Friday-043.2-9:55 a.m., Sunday-086-8:00 a.m., Saturday-043.3-9:55 a.m., Saturday-043.2-8:00 a.m.
 Liu, Chong, Sunday-062-8:00 a.m., Thursday-088-1:10 p.m.
 Liu, Cuiling, Wednesday-089-2:35 p.m., Thursday-043.4-9:55 a.m.
 Liu, Dianfeng, Saturday-034-1:10 p.m.
 Liu, Dong, Wednesday-066-12:40 p.m.
 Liu, Hongxing, Saturday-060-1:10 p.m., Saturday-073-8:00 a.m., Friday-020-5:00 p.m., Thursday-043.4-9:55 a.m.
 Liu, Hua, Thursday-058-5:00 p.m.
 Liu, Huimin, Thursday-043.1-8:00 a.m.
 Liu, Jianguo, Friday-052-3:05 p.m.
 Liu, Jing, Thursday-058-3:05 p.m., Saturday-028-3:05 p.m.
 Liu, Kam-Biu, Friday-043.1-3:05 p.m., Wednesday-072-12:40 p.m., Wednesday-072-2:35 p.m., Wednesday-072-4:30 p.m., Wednesday-058-9:55 a.m.
 Liu, Lin, Thursday-039-8:00 a.m., Thursday-039-1:10 p.m., Thursday-039-9:55 a.m., Friday-020-5:00 p.m.
 Liu, Luyu, Thursday-091-8:00 a.m.
 Liu, Meitong, Thursday-086-1:10 p.m.
 Liu, Ning, Friday-028-9:55 a.m.
 Liu, Pengyuan, Thursday-097-1:10 p.m.
 Liu, Qian, Thursday-062-1:10 p.m.
 Liu, Ruowei, Wednesday-001-2:35 p.m.
 Liu, Sophia, Sunday-063-9:55 a.m., Saturday-055-8:00 a.m., Saturday-084-3:05 p.m.
 Liu, Tao, Wednesday-008-12:40 p.m., Wednesday-008-2:35 p.m.
 Liu, Tian, Thursday-048-9:55 a.m.
 Liu, Weibo, Thursday-062-8:00 a.m.
 Liu, Weidong, Thursday-081-5:00 p.m., Friday-005-5:00 p.m., Friday-081-5:00 p.m., Saturday-027-8:00 a.m.
 Liu, Xi, Thursday-097-1:10 p.m., Saturday-043.3-9:55 a.m.
 Liu, XiaoHang, Thursday-089-8:00 a.m.
 Liu, Xiaohui, Wednesday-073-8:00 a.m., Friday-087-1:10 p.m., Friday-087-3:05 p.m.
 Liu, Xiaoqian, Friday-043.2-9:55 a.m.
 Liu, Xuan, Friday-090-1:10 p.m.
 Liu, Yang, Saturday-060-1:10 p.m.
 Liu, Yansui, Friday-043.3-1:10 p.m., Saturday-024-1:10 p.m., Saturday-028-3:05 p.m.
 Liu, Yanyan, Thursday-043.3-9:55 a.m., Thursday-043.4-9:55 a.m.
 Liu, Ye, Saturday-055-9:55 a.m., Saturday-099-8:00 a.m., Sunday-060-2:00 p.m.
 Liu, Yi, Saturday-027-8:00 a.m., Friday-021-8:00 a.m.
 Liu, Yong, Saturday-086-1:10 p.m., Saturday-086-5:00 p.m., Saturday-028-1:10 p.m.
 Liu, Yongshen, Sunday-040-3:55 p.m.
 Liu, Yu, Friday-041-5:00 p.m., Saturday-066-1:10 p.m., Thursday-025-3:05 p.m., Friday-041-1:10 p.m., Friday-041-3:05 p.m., Thursday-032-9:55 a.m.
 Liu, Yuan, Saturday-054-8:00 a.m.
 Liu, Yuqi, Saturday-055-9:55 a.m., Wednesday-058-2:35 p.m.
 Liu, Zheng, Wednesday-067-12:40 p.m.
 LIU, HELIN, Wednesday-034-12:40 p.m.
 LIU, HUI, Friday-022-3:05 p.m.
 LIU, QI, Wednesday-033.5-2:35 p.m.
 LIU, Wei, Saturday-060-5:00 p.m.
 LIU, XUE, Saturday-086-9:55 a.m., Saturday-086-3:05 p.m.
 LIU, YUNZHE,
 Liverman, Diana, Thursday-090-5:00 p.m., Friday-047-5:00 p.m.
 Livermon, Xavier, Thursday-031-8:00 a.m., Friday-074-8:00 a.m.
 Livingstone, Nicola, Thursday-095-8:00 a.m., Thursday-095-9:55 a.m.
 Lizotte, Christopher, Saturday-070-1:10 p.m., Saturday-008-8:00 a.m., Saturday-008-9:55 a.m., Friday-023-3:05 p.m.
 Lobao, Linda, Saturday-087-9:55 a.m.
 Locke, Dexter, Wednesday-090-8:00 a.m.
 Loder, Thomas, Sunday-039-8:00 a.m.
 LoFaso, Madeline, Wednesday-033.5-2:35 p.m.
 Loftus, Alex, Friday-012-8:00 a.m., Friday-012-9:55 a.m., Saturday-032-9:55 a.m., Thursday-033-8:00 a.m.
 Loftus, Sara, Saturday-018-1:10 p.m., Saturday-018-3:05 p.m., Saturday-004-9:55 a.m., Saturday-018-5:00 p.m.
 Logan, Tom, Thursday-004-1:10 p.m.
 Lohman, Andrew, Saturday-023-5:00 p.m., Saturday-019-1:10 p.m.
 Lohnes, Joshua, Friday-024-3:05 p.m.
 Lohr, Elizabeth, Saturday-043.3-9:55 a.m.
 Lombardi, Rachel, Friday-043.4-8:00 a.m.
 Lombardo, Nick, Saturday-100-8:00 a.m., Saturday-100-9:55 a.m., Saturday-100-1:10 p.m.
 Lomeli, Hilario, Saturday-027-3:05 p.m.
 London, Jonathan, Thursday-047-3:05 p.m.
 London, Kiana, Saturday-070-1:10 p.m., Saturday-087-3:05 p.m.
 Long, Dan, Thursday-054-1:10 p.m.
 Long, Hualou, Saturday-024-1:10 p.m., Saturday-028-3:05 p.m., Friday-021-5:00 p.m.
 Long, Jed, Thursday-090-8:00 a.m., Wednesday-067-4:30 p.m.
 Long, Jordan,
 Long, Joshua, Wednesday-084-12:40 p.m., Wednesday-084-2:35 p.m., Wednesday-084-4:30 p.m., Thursday-031-3:05 p.m.
 Long, Wang, Thursday-027-5:00 p.m.
 Long, Yuqing, Saturday-081-1:10 p.m.
 Longan, Michael, Saturday-041-9:55 a.m.
 Longley, Paul, Thursday-090-1:10 p.m.
 Longo, Jose, Saturday-043.3-9:55 a.m.
 Lookabaugh, Lara, Saturday-039-3:05 p.m.
 Loomis, Caroline, Saturday-027-9:55 a.m., Friday-023-3:05 p.m.
 Loomis, Jessa, Saturday-097-8:00 a.m.
 Lopes Queiroz, Gustavo, Friday-062-1:10 p.m.
 Lopez, Oscar, Wednesday-039-8:00 a.m.
 Lopez, Patricia, Friday-101-8:00 a.m.
 Lopez, Santiago, Saturday-064-5:00 p.m.
 Lopez, Tatiana, Thursday-043.1-8:00 a.m.
 LOPEZ, MELANIE, Saturday-033.5-8:00 a.m.
 Lopez Garcia, David, Wednesday-066-12:40 p.m.
 Lopez Hernandez, Ibrahim, Saturday-063-9:55 a.m.
 Lopez-Gay, Antonio, Saturday-038-1:10 p.m.
 Lopez-Marrero, Tania, Friday-043.4-3:05 p.m.
 Loraamm, Rebecca, Saturday-043.1-8:00 a.m., Sunday-064-3:55 p.m.
 Lord, Emma, Saturday-087-3:05 p.m.
 Lorenz-Meyer, Dagmar, Sunday-080-8:00 a.m.
 Lotfata, Aynaz, Friday-058-5:00 p.m.
 Lougheed, Kevin, Wednesday-057-9:55 a.m., Thursday-024-1:10 p.m.
 Louis, Renee, Saturday-102-8:00 a.m., Saturday-068-3:05 p.m., Wednesday-031-2:35 p.m., Wednesday-036-4:30 p.m., Thursday-031-3:05 p.m., Thursday-032-5:00 p.m.
 Loveless, Erana, Thursday-033.5-8:00 a.m.
 Lovell, Jane, Friday-028-8:00 a.m., Sunday-086-3:55 p.m.
 Lovell, Robin, Sunday-091-8:00 a.m.
 Lovison, Lucia, Saturday-083-5:00 p.m.
 Lowe, Nichola, Friday-005-8:00 a.m., Friday-005-9:55 a.m., Friday-005-1:10 p.m.
 Loyd, Jenna, Saturday-061-1:10 p.m., Thursday-007-1:10 p.m., Saturday-008-5:00 p.m., Thursday-084-8:00 a.m., Wednesday-039-4:30 p.m.
 Lozynskyi, Roman, Friday-009-9:55 a.m.
 L'Roe, Jessica, Thursday-103-8:00 a.m., Thursday-086-5:00 p.m.
 Lu, Debin, Saturday-086-9:55 a.m.
 Lu, Flora, Saturday-073-9:55 a.m.
 Lu, Juliet, Thursday-066-5:00 p.m., Thursday-082-3:05 p.m., Friday-020-9:55 a.m.
 Lu, Max, Friday-021-3:05 p.m.
 Lu, Meng, Thursday-057-9:55 a.m.
 Lu, Qian, Sunday-002-8:00 a.m.
 Lu, Ying, Friday-073-9:55 a.m.
 Lu, Yongmei, Saturday-066-1:10 p.m., Thursday-010-8:00 a.m., Thursday-010-9:55 a.m., Thursday-083-1:10 p.m., Thursday-036-5:00 p.m.
 Luan, Henry Hui, Wednesday-055-2:35 p.m.
 Luan, Hui, Wednesday-055-2:35 p.m.
 Luan, Xiaofan, Thursday-019-5:00 p.m.
 Lubura, Borjana, Saturday-007-1:10 p.m., Saturday-007-3:05 p.m., Saturday-007-5:00 p.m.
 Lucas, Brett, Thursday-074-5:00 p.m., Thursday-074-1:10 p.m., Thursday-074-8:00 a.m.
 Lucas, Caitlin, Saturday-043.3-8:00 a.m.

PARTICIPANT INDEX

- Lucato, Lindsay, Thursday-074-8:00 a.m.
 Lucero, Danielle, Sunday-019-8:00 a.m., Saturday-083-3:05 p.m.
 Luebbering, Candice, Friday-006-1:10 p.m., Friday-043.3-9:55 a.m., Saturday-095-9:55 a.m., Friday-006-3:05 p.m., Thursday-070-9:55 a.m., Thursday-053-3:05 p.m.
 Luedee, Jonathan, Thursday-025-8:00 a.m., Thursday-025-9:55 a.m.
 Luetke, Petra, Friday-016-3:05 p.m., Thursday-016-9:55 a.m.
 Luger, Jason, Saturday-040-1:10 p.m., Friday-084-3:05 p.m., Friday-084-5:00 p.m.
 Lugo Vivas, Diego Andres, Thursday-005-9:55 a.m.
 Lukas, Martin, Wednesday-049-8:00 a.m., Thursday-073-5:00 p.m.
 Luke, Nikki, Thursday-038-1:10 p.m., Thursday-038-8:00 a.m., Thursday-038-9:55 a.m., Sunday-084-8:00 a.m., Saturday-032-1:10 p.m.
 Lukens, David, Sunday-040-2:00 p.m., Sunday-040-3:55 p.m.
 Lumpkin, Jennifer, Thursday-043.1-9:55 a.m.
 LUNA-GARCIA, ANTONIO, Friday-028-3:05 p.m., Saturday-009-9:55 a.m.
 Lund, Andrea, Saturday-082-3:05 p.m., Friday-031-1:10 p.m.
 Lund, Henrik, Friday-092-1:10 p.m., Thursday-081-9:55 a.m.
 Lung-Amam, Willow, Sunday-052-8:00 a.m.
 Lunke, Erik, Thursday-051-1:10 p.m.
 Luo, Dong, Friday-041-9:55 a.m.
 Luo, Jian, Thursday-025-5:00 p.m.
 Luo, Jun, Sunday-069-3:55 p.m.
 Luo, Ming, Friday-056-3:05 p.m.
 Luo, Minghai, Wednesday-033.5-2:35 p.m.
 Luo, Wei, Saturday-091-1:10 p.m., Friday-033.5-1:10 p.m., Wednesday-068-9:55 a.m.
 Luo, Weicong,
 Luo, Yue, Wednesday-056-4:30 p.m.
 LUO, Nana, Wednesday-001-12:40 p.m.
 Luque-Ayala, Andres, Friday-038-9:55 a.m., Wednesday-084-12:40 p.m.
 Luse, Steven, Friday-043.3-1:10 p.m.
 Lustig, Allyza, Friday-047-5:00 p.m.
 Luthra, Aman, Sunday-070-9:55 a.m., Saturday-004-1:10 p.m., Saturday-004-3:05 p.m., Saturday-004-5:00 p.m.
 Luzzadder-Beach, Sheryl, Thursday-066-8:00 a.m., Friday-054-9:55 a.m., Friday-054-3:05 p.m., Friday-054-5:00 p.m., Thursday-066-9:55 a.m., Wednesday-052-4:30 p.m., Saturday-002-11:45 a.m., Wednesday-002-6:20 p.m.
 LV, KEWEN, Sunday-047-9:55 a.m.
 Ly, Layheab, Friday-043.3-3:05 p.m.
 Lyall, Angus, Friday-035-3:05 p.m.
 Lynch, Casey, Sunday-048-8:00 a.m., Wednesday-038-2:35 p.m., Wednesday-057-8:00 a.m., Thursday-034-1:10 p.m.
 Lynch, Melody, Wednesday-086-2:35 p.m., Wednesday-086-8:00 a.m., Wednesday-086-9:55 a.m., Saturday-054-3:05 p.m., Wednesday-086-12:40 p.m., Wednesday-086-4:30 p.m.
 Lyon, Anna, Sunday-016-3:55 p.m.
 Lyon, Sarah, Wednesday-051-12:40 p.m., Wednesday-051-2:35 p.m.
 Lyon, Susan, Friday-043.1-8:00 a.m., Thursday-043.3-9:55 a.m.
 Lyons, Andrew, Thursday-043.2-9:55 a.m.
 Lyons, Craig, Sunday-040-2:00 p.m.
 Lyons, Kimberly, Saturday-043.3-9:55 a.m.
 Lyste, Kerry, Friday-057-3:05 p.m.
 Lyttek, Erik, Thursday-064-1:10 p.m., Saturday-049-8:00 a.m.
 Lyu, Chen, Saturday-056-8:00 a.m.
 Lyu, Fangzheng, Thursday-027-5:00 p.m.
- Ma, Zhao, Saturday-043.1-8:00 a.m., Sunday-001-8:00 a.m., Friday-084-8:00 a.m., Sunday-060-8:00 a.m., Friday-010-9:55 a.m., Saturday-035-1:10 p.m., Friday-040-5:00 p.m.
 MA, Renfeng, Wednesday-057-12:40 p.m.
 Maali, Mohammed, Thursday-017-9:55 a.m.
 Maalsen, Sophia, Thursday-051-5:00 p.m., Wednesday-041-4:30 p.m., Friday-037-9:55 a.m.
 Macaspac, Nerve, Saturday-035-8:00 a.m., Saturday-012-1:10 p.m.
 MacCarthy, James, Friday-058-1:10 p.m.
 MacDonald, Glen, Thursday-054-5:00 p.m., Friday-038-1:10 p.m., Wednesday-052-4:30 p.m., Friday-081-5:00 p.m.
 MacFarlane, Ian, Saturday-020-3:05 p.m., Thursday-081-1:10 p.m.
 MacFarlane, Key, Thursday-025-8:00 a.m., Thursday-081-1:10 p.m., Sunday-089-3:55 p.m.
 Mach, Leon, Saturday-005-8:00 a.m.
 Machado, Elia Axinia, Sunday-072-8:00 a.m.
 Machado, Mario, Friday-101-5:00 p.m.
 Machen, Ruth, Wednesday-092-12:40 p.m., Wednesday-092-9:55 a.m.
 Machold, Rhys, Wednesday-057-2:35 p.m., Wednesday-057-4:30 p.m.
 MacInnis, Jana, Thursday-043.1-8:00 a.m.
 MacIntosh, Duncan, Thursday-043.2-9:55 a.m.
 MacIntyre, Jess, Saturday-087-8:00 a.m.
 Mack, Elizabeth, Friday-070-3:05 p.m., Thursday-047-5:00 p.m.
 MacKay, Carley, Wednesday-036-8:00 a.m., Sunday-040-9:55 a.m.
 Mackinnon, Danny, Friday-001-8:00 a.m., Friday-001-9:55 a.m., Friday-001-1:10 p.m., Friday-001-3:05 p.m.
 Mackinnon, Debra, Friday-023-9:55 a.m.
 MacKrell, Christine, Thursday-033-9:55 a.m.
 Mackun, Paul, Friday-083-3:05 p.m.
 MacLachlan, Ian, Friday-039-3:05 p.m., Wednesday-033.5-2:35 p.m.
 MacLennan, Barbara, Friday-057-3:05 p.m., Saturday-058-1:10 p.m.
 MACLENNAN, DUNCAN, Sunday-088-8:00 a.m.
 Macrander, Hailey, Saturday-082-8:00 a.m.
 Macrorie, Rachel, Friday-023-9:55 a.m., Saturday-023-9:55 a.m., Friday-023-8:00 a.m., Friday-023-1:10 p.m.
 Madden, Marguerite, Friday-074-1:10 p.m.
 Maddrell, Avril, Friday-003-1:10 p.m.
 Madrigal, Tomas, Friday-100-5:00 p.m.
 Madsen, Kenneth, Friday-086-3:05 p.m.
 Madsen, Sidney, Friday-101-5:00 p.m.
 Mager, Christoph, Friday-064-9:55 a.m., Saturday-041-8:00 a.m.
 Mägi, Kadi, Sunday-005-9:55 a.m.
 Magilligan, Francis, Wednesday-072-8:00 a.m., Wednesday-072-9:55 a.m., Saturday-065-9:55 a.m.
 Magliocca, Nicholas, Sunday-001-8:00 a.m., Saturday-066-8:00 a.m., Sunday-001-9:55 a.m., Friday-062-1:10 p.m., Wednesday-058-9:55 a.m.
 Magni, Florencia, Saturday-028-3:05 p.m., Thursday-043.2-1:10 p.m.
 Magnus, Eva, Wednesday-091-2:35 p.m.
 Magnusson, Dick, Friday-023-9:55 a.m., Thursday-018-3:05 p.m.
 Magolan, Jessica, Friday-033.5-3:05 p.m., Wednesday-033.5-4:30 p.m.
 Magrane, Eric, Thursday-028-5:00 p.m., Wednesday-050-12:40 p.m., Friday-060-9:55 a.m.
 Maguire, Meadhbh, Friday-064-8:00 a.m.
 Mahabir, Aleem, Saturday-060-3:05 p.m.
 Maharaj, Brij, Wednesday-037-4:30 p.m.
 Maharaj, Cindy, Saturday-082-1:10 p.m.
 Mahmoudi, Dillon, Wednesday-012-9:55 a.m., Wednesday-041-4:30 p.m.
 Mahtani, Minelle, Sunday-005-8:00 a.m., Sunday-023-9:55 a.m.
 Mai, Gengchen, Thursday-097-1:10 p.m., Friday-041-5:00 p.m.
 Maia, Ryan, Thursday-043.1-8:00 a.m.
 Maimbo, Samuel, Friday-097-5:00 p.m.
 Mainali, Janardan, Thursday-018-5:00 p.m., Thursday-032-9:55 a.m.
 Maisenbacher, Julia, Friday-097-8:00 a.m.
 Makes-Marks, Lou-Anne, Wednesday-033-4:30 p.m.
 Malanson, George, Wednesday-052-4:30 p.m.
 Malek, Ali, Wednesday-033.5-4:30 p.m.
 Maleki, Shadi, Friday-087-8:00 a.m.
 Malik, Karim, Friday-041-5:00 p.m.
 Malinowski, Jon, Saturday-023-5:00 p.m.

M

- M. Bagher, Mahda, Friday-074-1:10 p.m., Friday-074-5:00 p.m.
 Ma, Andong, Friday-043.1-3:05 p.m., Wednesday-008-12:40 p.m.
 Ma, Can, Saturday-043.3-9:55 a.m.
 Ma, Jiahui, Sunday-047-8:00 a.m.
 Ma, Jing, Thursday-053-9:55 a.m., Friday-053-9:55 a.m.
 Ma, Jun, Friday-043.2-9:55 a.m.
 Ma, Li, Saturday-028-3:05 p.m., Thursday-033.5-5:00 p.m.
 Ma, Qiwei, Thursday-018-1:10 p.m., Friday-088-1:10 p.m., Sunday-053-2:00 p.m.
 Ma, Shihan, Saturday-090-3:05 p.m.
 Ma, Xinlin, Friday-060-3:05 p.m.
 Ma, Yaxiong, Thursday-043.4-9:55 a.m.

PARTICIPANT INDEX

- Mallick, Ayyaz, Saturday-047-5:00 p.m.
 Mallick, Bishawjit, Thursday-088-8:00 a.m.
 Mallory, Aaron, Thursday-093-3:05 p.m., Friday-074-8:00 a.m.
 Malmberg, Bo, Thursday-087-5:00 p.m.
 Malone, Aaron, Friday-002-8:00 a.m.
 Malone, Melanie, Thursday-067-8:00 a.m.
 Malson, Hilary, Sunday-052-8:00 a.m., Thursday-028-5:00 p.m.
 Malý, Jiri, Sunday-053-9:55 a.m.
 Manafian, Hoda, Thursday-043.1-1:10 p.m.
 Manik, Sadhana, Friday-089-9:55 a.m.
 Mannheimer, Zachary, Saturday-003-9:55 a.m.
 Manning, Karessa, Sunday-056-2:00 p.m.
 Mannozi, Candida, Saturday-095-9:55 a.m.
 Manone, Mark, Friday-033.5-9:55 a.m.
 Manser, Gwyneth, Saturday-074-3:05 p.m.
 Mansfield, Becky, Friday-053-8:00 a.m., Thursday-060-1:10 p.m., Friday-088-5:00 p.m., Friday-051-1:10 p.m.
 Mansson McGinty, Anna, Saturday-092-3:05 p.m., Saturday-092-5:00 p.m.
 Manuel, Isnardon, Thursday-024-8:00 a.m.
 Manzi, Maya, Thursday-012-3:05 p.m.
 Mao, Chengcheng, Sunday-053-2:00 p.m.
 Mapes, Jennifer, Friday-043.1-9:55 a.m., Saturday-102-9:55 a.m.
 Maranhao, Rebecca, Friday-049-9:55 a.m.
 March, Hug, Friday-012-8:00 a.m.
 March, Loren, Wednesday-086-8:00 a.m.
 Marcinczak, Szymon, Thursday-049-1:10 p.m.
 Marcoux-Hunter, Danielle, Thursday-055-3:05 p.m.
 Marcu, Silvia, Wednesday-094-12:40 p.m.
 Marcus, Alan, Wednesday-070-9:55 a.m., Friday-026-1:10 p.m.
 Marden, Alex, Thursday-094-8:00 a.m.
 Marder, Chris, Sunday-074-8:00 a.m.
 Marek, Serge, Thursday-022-3:05 p.m.
 Margier, Antonin, Wednesday-093-4:30 p.m.
 Margulies, Jared, Friday-034-9:55 a.m., Saturday-067-8:00 a.m., Saturday-067-9:55 a.m., Saturday-067-1:10 p.m.
 Marincioni, Fausto, Friday-048-1:10 p.m.
 Marini, Daniela, Thursday-101-9:55 a.m.
 Marinic, Gregory, Sunday-036-8:00 a.m.
 Marino, George, Saturday-072-1:10 p.m.
 Marino, John, Friday-043.1-1:10 p.m.
 Mark, Bryan, Saturday-057-9:55 a.m., Thursday-066-9:55 a.m., Saturday-049-1:10 p.m.
 Markaki, Metaxia, Saturday-099-3:05 p.m.
 Markham, Katherine, Saturday-060-1:10 p.m., Saturday-069-5:00 p.m., Thursday-057-5:00 p.m.
 Markley, Scott, Saturday-040-1:10 p.m., Saturday-040-3:05 p.m.
 Marks-Block, Tony, Sunday-081-8:00 a.m.
 Markwell, Sam, Wednesday-031-9:55 a.m.
 Markwith, Scott, Friday-043.1-3:05 p.m., Thursday-094-9:55 a.m.
 Marmolejo, Guisel, Friday-033.5-5:00 p.m.
 Marohnic, Olivia, Friday-043.1-3:05 p.m.
 Marom, Nathan, Sunday-089-2:00 p.m.
 Maroof, Md Abu Sayeed, Thursday-022-1:10 p.m.
 Marquardt, Kai, Saturday-041-9:55 a.m.
 Marquer, Madison, Thursday-100-9:55 a.m.
 Marques Da Costa, Eduarda, Saturday-055-3:05 p.m.
 Marr, Ivy, Saturday-057-8:00 a.m.
 Marr, Paul, Friday-054-3:05 p.m.
 Mars, Neville, Saturday-093-3:05 p.m.
 Marsden, Terry, Friday-037-5:00 p.m., Thursday-012-1:10 p.m.
 Marsh, Meredith, Friday-069-8:00 a.m.
 Marshall, David, Wednesday-086-2:35 p.m., Thursday-009-8:00 a.m.
 Marshall, Kate, Thursday-093-1:10 p.m.
 Marsik, Matthew, Saturday-062-3:05 p.m.
 Marston, Michael, Saturday-057-1:10 p.m., Friday-052-1:10 p.m.
 Marston, Richard, Friday-093-1:10 p.m., Friday-043.4-8:00 a.m., Wednesday-052-4:30 p.m., Friday-081-5:00 p.m.
 Marston, Sallie, Saturday-027-9:55 a.m.
 Martell Jackson, Natasha, Saturday-083-8:00 a.m.
 Marter-Kenyon, Jessica, Thursday-088-8:00 a.m., Wednesday-048-4:30 p.m., Friday-027-9:55 a.m., Friday-027-8:00 a.m., Friday-027-3:05 p.m., Thursday-082-5:00 p.m., Friday-027-5:00 p.m.
 Martin, Abigail, Friday-016-9:55 a.m., Wednesday-031-4:30 p.m.
 Martin, Bridget, Sunday-064-8:00 a.m.
 Martin, Daryl, Wednesday-094-4:30 p.m.
 Martin, Deborah, Friday-043.2-3:05 p.m., Wednesday-090-2:35 p.m., Saturday-018-9:55 a.m., Friday-039-5:00 p.m., Saturday-043.3-9:55 a.m.
 Martin, François, Thursday-048-9:55 a.m.
 Martin, Hannah, Thursday-100-1:10 p.m.
 Martin, James, Thursday-056-9:55 a.m.
 Martin, Laura, Sunday-048-9:55 a.m.
 Martin, Lauren, Wednesday-007-4:30 p.m., Saturday-097-3:05 p.m., Saturday-090-8:00 a.m.
 Martin, Madeline, Wednesday-068-11:45 a.m.
 Martin, Patricia, Friday-035-3:05 p.m., Friday-008-1:10 p.m.
 Martin Gonzalez, Yago, Thursday-004-1:10 p.m.
 Martinez, Adriana, Friday-033.5-5:00 p.m.
 Martinez, Erica, Friday-043.3-1:10 p.m.
 Martinez, Jessica, Thursday-043.5-1:10 p.m., Sunday-080-9:55 a.m.
 Martínez Esguerra, Estefanía, Friday-016-3:05 p.m.
 Martinez-Lugo, Diego, Wednesday-084-2:35 p.m.
 Martinez-Manso, Jesus, Thursday-097-3:05 p.m.
 Martinez-Reyes, Jose, Sunday-038-3:55 p.m.
 Martinus, Kirsten, Friday-001-3:05 p.m.
 Martis, Kenneth, Friday-004-3:05 p.m.
 Martyn, Kevin, Saturday-043.3-8:00 a.m., Thursday-024-8:00 a.m., Thursday-024-9:55 a.m.
 Martz, Corey, Friday-043.3-9:55 a.m.
 MARVIN, SIMON, Friday-023-8:00 a.m., Wednesday-084-12:40 p.m.
 Marx, Paris, Saturday-103-3:05 p.m.
 MARY, Kevin, Friday-025-3:05 p.m.
 Mase, Bryce, Thursday-043.2-3:05 p.m.
 Masilela, Ayanda, Friday-025-1:10 p.m.
 Masoncup, Charolette, Thursday-056-5:00 p.m.
 Masrur, Arif, Friday-041-8:00 a.m.
 Massaro, Vanessa, Friday-093-8:00 a.m., Friday-093-9:55 a.m.
 Massasati, Ahmad, Friday-067-1:10 p.m.
 Masse, Francis, Friday-017-3:05 p.m., Saturday-041-5:00 p.m.
 Massey, Aron, Thursday-087-8:00 a.m.
 Masson, Damien, Friday-094-1:10 p.m., Friday-094-3:05 p.m.
 Mast, Joy, Friday-043.1-3:05 p.m.
 Masterson-Algar, Araceli, Wednesday-087-9:55 a.m.
 Matern, Antje, Saturday-001-1:10 p.m., Sunday-020-2:00 p.m.
 Matheis, Christian, Wednesday-088-2:35 p.m.
 Matheus, Trevis, Saturday-052-9:55 a.m.
 Mathews, Adam, Thursday-067-1:10 p.m., Thursday-067-3:05 p.m., Friday-067-9:55 a.m., Friday-067-8:00 a.m., Thursday-009-8:00 a.m., Thursday-067-5:00 p.m., Thursday-043.2-9:55 a.m., Friday-067-1:10 p.m.
 Mathews, Samantha, Friday-043.3-3:05 p.m.
 Mathewson, Kent, Saturday-009-3:05 p.m., Thursday-099-5:00 p.m., Friday-100-3:05 p.m.
 Matisziw, Timothy, Thursday-091-8:00 a.m.
 Matles, Amanda, Sunday-038-9:55 a.m.
 Matlon, Jordanna, Friday-020-8:00 a.m., Friday-031-9:55 a.m.
 Matsler, Marissa, Friday-050-8:00 a.m., Friday-050-9:55 a.m., Friday-050-1:10 p.m.
 Matsuoaka, Sachi, Wednesday-058-2:35 p.m.
 Mattero, Anna, Thursday-043.3-9:55 a.m.
 Matthew, Melpatkwa, Friday-010-9:55 a.m.
 Matthews, Kevin, Friday-055-8:00 a.m.
 Mattingly, Kyle, Thursday-033.5-1:10 p.m., Friday-052-8:00 a.m.
 Mattissek, Annika, Thursday-090-3:05 p.m., Sunday-081-3:55 p.m.
 Mattox, Monica, Thursday-033.5-5:00 p.m.
 Matyas, Corene, Thursday-043.1-8:00 a.m., Wednesday-072-12:40 p.m.
 Mauer, Whitney, Saturday-063-9:55 a.m.
 Mauney, Christina, Thursday-043.3-9:55 a.m.
 Mauro, Ian, Friday-065-3:05 p.m.
 Mavroudi, Elizabeth, Saturday-001-8:00 a.m., Saturday-001-9:55 a.m.
 Mawdsley, Emma, Friday-097-8:00 a.m., Thursday-005-9:55 a.m., Friday-097-5:00 p.m., Friday-097-9:55 a.m., Friday-097-1:10 p.m., Friday-097-3:05 p.m.,

PARTICIPANT INDEX

- Sunday-064-9:55 a.m.
 Maxwell, Justin, Friday-043.1-3:05 p.m., Saturday-052-8:00 a.m., Saturday-052-9:55 a.m., Saturday-052-5:00 p.m.
 Maxwell, Sara, Thursday-098-8:00 a.m.
 Maxwell, Stockton, Saturday-052-1:10 p.m., Friday-043.1-3:05 p.m.
 May, Christian, Saturday-092-8:00 a.m.
 Mayberry, Nicole, Sunday-019-9:55 a.m., Sunday-092-2:00 p.m.
 Maye, Damian, Thursday-081-1:10 p.m.
 Mayer, Marius, Friday-004-9:55 a.m.
 Mayers, Rebecca, Sunday-024-3:55 p.m.
 Mayes, Robyn, Thursday-034-3:05 p.m.
 Mazer, Katie, Sunday-061-9:55 a.m.
 Mbih, Richard, Friday-049-9:55 a.m.
 Mbuh, Mbongowo, Friday-043.1-8:00 a.m., Thursday-035-5:00 p.m.
 McAfee, Heather, Thursday-031-1:10 p.m.
 McAfee, Kathleen, Friday-010-3:05 p.m.
 McAslan, Devon, Sunday-025-9:55 a.m.
 McCammon, Muira, Sunday-064-8:00 a.m.
 McCann, Eugene, Saturday-036-1:10 p.m., Saturday-036-3:05 p.m., Saturday-036-5:00 p.m., Friday-004-8:00 a.m.
 McCann, Philip, Sunday-088-9:55 a.m., Sunday-088-8:00 a.m.
 McCarroll, Meghan, Thursday-043.1-8:00 a.m.
 McCarthy, James, Thursday-038-1:10 p.m., Saturday-032-8:00 a.m.
 McCarthy, Michael, Friday-006-5:00 p.m.
 McCarthy, Sofia, Friday-043.2-8:00 a.m.
 McCarty, Theresa, Friday-084-9:55 a.m., Sunday-050-2:00 p.m.
 McClintock, Nathan, Saturday-036-1:10 p.m.
 McClure, Katrina, Wednesday-088-12:40 p.m.
 McClure, Caroline, Friday-039-9:55 a.m.
 McClymont, Katie, Friday-083-5:00 p.m., Friday-003-1:10 p.m.
 Mccool, Jon-Paul, Saturday-070-1:10 p.m., Friday-054-3:05 p.m.
 McCormack, Derek, Sunday-067-2:00 p.m., Saturday-024-8:00 a.m., Sunday-067-3:55 p.m.
 McCracken, Ashley, Thursday-033.5-1:10 p.m.
 McCracken, Melissa, Saturday-062-8:00 a.m.
 McCrea, Gwendolin, Wednesday-082-8:00 a.m.
 McCubbin, Sandra, Sunday-027-3:55 p.m.
 McCurley, Christopher, Thursday-068-8:00 a.m.
 McCusker, Brent, Thursday-025-1:10 p.m.
 McCutcheon, Priscilla, Friday-017-9:55 a.m., Friday-070-1:10 p.m., Sunday-061-3:55 p.m., Sunday-019-2:00 p.m.
 McDaniel, Brennan, Friday-102-3:05 p.m.
 McDaniel, Paul, Wednesday-037-9:55 a.m., Thursday-069-1:10 p.m.
 McDermid, Greg, Friday-054-5:00 p.m., Wednesday-073-9:55 a.m., Saturday-048-5:00 p.m., Friday-062-1:10 p.m., Saturday-087-1:10 p.m.
 McDonagh, Briony, Friday-047-1:10 p.m., Friday-008-3:05 p.m., Friday-008-5:00 p.m., Saturday-070-9:55 a.m.
 McDonald, Darrel, Friday-034-1:10 p.m.
 McDonald, Jacob, Saturday-065-8:00 a.m.
 McDonald, Yolanda, Friday-063-9:55 a.m.
 McDonough, Lily, Friday-043.2-8:00 a.m.
 McDowell, Patricia, Friday-033.5-5:00 p.m., Saturday-068-1:10 p.m.
 McEachern, Susan, Saturday-070-8:00 a.m.
 McElroy, Erin, Sunday-061-2:00 p.m., Thursday-019-8:00 a.m., Sunday-051-3:55 p.m., Sunday-006-8:00 a.m., Sunday-006-9:55 a.m., Thursday-001-9:55 a.m.
 McElwee, Pamela, Friday-084-8:00 a.m., Sunday-067-8:00 a.m.
 McEvoy, Jamie, Saturday-043.3-8:00 a.m., Friday-068-1:10 p.m.
 McEwan, Cheryl, Friday-065-1:10 p.m., Wednesday-009-4:30 p.m.
 McFadden, Keavy, Saturday-027-5:00 p.m.
 McFarlane-Morris, Shenika, Saturday-043.1-8:00 a.m., Saturday-087-3:05 p.m.
 McGee, Rylin, Thursday-043.1-8:00 a.m.
 McGill, Sean, Saturday-072-8:00 a.m.
 McGlone, Daniel, Friday-004-3:05 p.m.
 McGlynn, Evangeline, Saturday-089-8:00 a.m.
 McGovern, Derek, Friday-043.2-1:10 p.m.
 McGrath, Siobhan, Thursday-087-9:55 a.m., Thursday-087-1:10 p.m.
 McGraw, David, Wednesday-082-2:35 p.m.
 McGreevy, Bridie, Sunday-050-8:00 a.m., Sunday-050-9:55 a.m., Sunday-050-2:00 p.m.
 McGreevy, Steven, Friday-020-9:55 a.m.
 McGregor, Deborah, Friday-102-8:00 a.m., Friday-086-9:55 a.m.
 McGregor, Grant, Thursday-043.1-1:10 p.m.
 McIsaac, Stephen, Friday-103-3:05 p.m.
 McKay, Matthew, Thursday-016-8:00 a.m.
 McKeithen, William, Saturday-102-3:05 p.m., Thursday-093-3:05 p.m., Thursday-033-8:00 a.m.
 Mckenzie, Murray, Saturday-047-5:00 p.m.
 McKenzie, Grant, Saturday-090-1:10 p.m., Saturday-093-5:00 p.m., Wednesday-067-12:40 p.m.
 McKinney, Nathan, Friday-043.1-8:00 a.m., Thursday-043.4-9:55 a.m.
 McKinnon, Innisfree, Wednesday-086-12:40 p.m., Friday-103-8:00 a.m., Friday-016-1:10 p.m., Thursday-031-5:00 p.m.
 McKinnon, Katharine, Wednesday-092-8:00 a.m., Friday-038-5:00 p.m., Wednesday-041-4:30 p.m.
 McLafferty, Sara, Thursday-061-9:55 a.m., Friday-053-9:55 a.m., Saturday-055-1:10 p.m.
 McLaughlin, Preston, Friday-054-3:05 p.m.
 McLeman, Robert, Thursday-088-8:00 a.m., Thursday-088-9:55 a.m., Thursday-088-1:10 p.m.
 McNeil, Brenden, Friday-054-8:00 a.m., Saturday-043.3-9:55 a.m., Thursday-043.4-9:55 a.m.
 McNeill, John, Wednesday-002-6:20 p.m.
 Mcphee, Siobhán, Thursday-017-8:00 a.m., Saturday-089-8:00 a.m.
 McQuoid, Julia, Friday-089-1:10 p.m.
 McSorley, Leaza, Sunday-088-8:00 a.m.
 McTiernan, Siobhan, Friday-057-1:10 p.m.
 McWherter, Brooke, Friday-084-8:00 a.m., Saturday-035-1:10 p.m.
 Measom, Kelly, Friday-010-5:00 p.m.
 Meché, Brittany, Friday-017-3:05 p.m., Friday-017-5:00 p.m.
 Medien, Kathryn, Thursday-004-8:00 a.m.
 Medrano, F. Antonio, Saturday-034-8:00 a.m.
 Meek, David, Wednesday-035-9:55 a.m.
 Meenar, Mahbubur, Friday-074-1:10 p.m., Thursday-028-5:00 p.m.
 Meer, Ayan, Thursday-089-3:05 p.m.
 Meerow, Sara, Friday-050-8:00 a.m., Thursday-063-8:00 a.m., Saturday-038-9:55 a.m., Thursday-063-9:55 a.m., Friday-050-9:55 a.m., Friday-050-1:10 p.m.
 MEEUS, Bruno, Wednesday-092-9:55 a.m.
 Meghelli, Samir, Sunday-052-8:00 a.m.
 Mehra, Rashee, Friday-083-3:05 p.m.
 Mei, Yingying, Friday-020-5:00 p.m.
 Meier, Briana, Wednesday-087-9:55 a.m.
 Meijers, Evert, Friday-081-1:10 p.m., Friday-020-1:10 p.m., Saturday-081-5:00 p.m., Wednesday-094-8:00 a.m.
 Meilinger, Valentin, Friday-095-3:05 p.m.
 Meindl, Christopher, Friday-065-9:55 a.m.
 Meirose, Leo, Friday-062-5:00 p.m.
 Mei-Singh, Laurel, Saturday-067-3:05 p.m., Saturday-067-5:00 p.m.
 Meissner, Fran, Thursday-016-1:10 p.m., Friday-003-1:10 p.m., Friday-003-3:05 p.m.
 Meisterlin, Leah, Saturday-020-3:05 p.m., Saturday-004-8:00 a.m.
 Meitzen, Kimberly, Wednesday-058-12:40 p.m., Sunday-050-8:00 a.m.
 Melanson, Kendra, Friday-043.2-3:05 p.m.
 Melchior, Alice, Wednesday-091-9:55 a.m.
 Meletis, Zoë, Wednesday-049-12:40 p.m.
 Mello Rose, Filipe, Friday-023-1:10 p.m.
 Melo, Diego, Friday-032-8:00 a.m.
 Mels, Tom, Friday-100-3:05 p.m.
 Mendelsohn, Ben, Thursday-050-1:10 p.m.
 Mendez, Manuel, Wednesday-087-8:00 a.m., Friday-008-5:00 p.m.
 Mendonca De Carvalho, Roberta, Thursday-103-9:55 a.m.
 Mendoza, Manuel, Saturday-048-9:55 a.m.
 Meneghini, Aaron, Thursday-033.5-3:05 p.m.
 Meng, Lei, Thursday-062-3:05 p.m.
 Meng, Lin, Saturday-086-8:00 a.m., Saturday-086-9:55 a.m.
 Meng, Xuelian, Saturday-072-3:05 p.m., Saturday-049-3:05 p.m.
 Meng, Yunliang, Thursday-043.2-3:05 p.m.
 Mennis, Jeremy, Thursday-056-3:05 p.m.
 Menon, Siddharth, Sunday-048-2:00 p.m., Sunday-048-3:55 p.m., Friday-018-5:00 p.m.
 Mensah, Emmanuel, Thursday-039-8:00 a.m.
 Mensing, Scott, Thursday-066-3:05 p.m., Thursday-027-9:55 a.m.

PARTICIPANT INDEX

- Mercaldi, Brooke, Saturday-043.1-8:00 a.m., Wednesday-053-12:40 p.m.
 Merced, Joshua, Thursday-026-8:00 a.m.
 Mercer, Kristin, Saturday-006-5:00 p.m.
 Mercer, Leo, Saturday-049-9:55 a.m.
 Merkle, Katie, Friday-024-9:55 a.m.
 Merrill, Andrew, Sunday-064-8:00 a.m.
 Merrill, Zachary, Friday-043.1-3:05 p.m.
 Merz, Leandra, Sunday-028-3:55 p.m.
 Mesbah, Targol, Thursday-025-8:00 a.m.
 Metcalf, Sara, Friday-065-5:00 p.m., Saturday-081-3:05 p.m.
 Metz, John, Thursday-010-5:00 p.m.
 Metzel, Deborah, Saturday-068-3:05 p.m., Friday-088-1:10 p.m., Saturday-088-5:00 p.m., Thursday-052-9:55 a.m.
 Mewborne, Michael, Friday-043.3-9:55 a.m.
 Meyer, Dugan, Thursday-070-8:00 a.m., Saturday-038-1:10 p.m., Friday-024-5:00 p.m.
 Meyer, Frank, Thursday-082-8:00 a.m.
 Meyer, Sarah, Thursday-054-3:05 p.m.
 Meyers, Rennie, Sunday-043-8:00 a.m.
 Miao, Changhong, Saturday-028-8:00 a.m.
 Miao, Lizhi, Wednesday-068-9:55 a.m.
 Miao, Sheng, Thursday-043.3-1:10 p.m.
 Miao, Xin, Thursday-062-1:10 p.m.
 Miao-Jung, Chien, Thursday-021-1:10 p.m.
 Micieli-Voutsinas, Jacque, Wednesday-037-8:00 a.m.
 Middleton, Jennie, Friday-095-9:55 a.m., Thursday-034-3:05 p.m.
 Middleton Manning, Beth Rose, Wednesday-073-12:40 p.m.
 Miggelbrink, Judith, Thursday-082-8:00 a.m.
 Mighty, Mario, Wednesday-069-12:40 p.m., Wednesday-069-4:30 p.m., Wednesday-074-9:55 a.m.
 Miguel González, Rafael, Friday-069-1:10 p.m., Thursday-017-5:00 p.m.
 Mihunov, Volodymyr, Wednesday-087-4:30 p.m., Thursday-088-9:55 a.m.
 Mikaelian, Levon, Sunday-063-2:00 p.m.
 Mikula, Lukasz, Thursday-073-1:10 p.m.
 Mikulak, Haylie, Thursday-033.5-1:10 p.m., Friday-052-8:00 a.m.
 Mikulewicz, Michael, Thursday-094-3:05 p.m., Thursday-094-5:00 p.m., Saturday-054-9:55 a.m.
 Milazzo, Josepha, Sunday-026-9:55 a.m.
 Milgroom, Jessica, Wednesday-035-8:00 a.m., Thursday-101-9:55 a.m., Wednesday-035-2:35 p.m., Wednesday-035-9:55 a.m., Wednesday-035-12:40 p.m.
 Miller, Andrea, Sunday-051-3:55 p.m., Friday-088-9:55 a.m.
 Miller, Andrew, Thursday-043.2-3:05 p.m., Saturday-043.1-8:00 a.m.
 Miller, Annalane, Friday-064-8:00 a.m.
 Miller, Byron, Saturday-036-8:00 a.m., Friday-037-1:10 p.m.
 Miller, Colton, Wednesday-052-12:40 p.m., Thursday-067-1:10 p.m.
 Miller, Daniel, Saturday-004-8:00 a.m.
 Miller, Ethan, Friday-038-5:00 p.m.
 Miller, Harvey, Thursday-056-3:05 p.m., Thursday-091-8:00 a.m., Friday-033-8:00 a.m., Wednesday-091-12:40 p.m., Wednesday-068-8:00 a.m.
 Miller, Jacob, Saturday-001-5:00 p.m., Friday-035-1:10 p.m., Thursday-090-3:05 p.m., Thursday-022-5:00 p.m.
 Miller, Jeffrey, Thursday-043.2-9:55 a.m., Wednesday-069-9:55 a.m., Friday-067-3:05 p.m.
 Miller, Jessica, Friday-050-8:00 a.m.
 Miller, Karly, Thursday-066-5:00 p.m., Wednesday-048-4:30 p.m., Wednesday-050-2:35 p.m., Saturday-084-5:00 p.m., Wednesday-050-4:30 p.m.
 Miller, Matthew, Saturday-058-8:00 a.m.
 Miller, O'Neil, Sunday-041-3:55 p.m.
 Miller, Paul, Thursday-043.1-8:00 a.m.
 Milligan, Richard, Thursday-084-9:55 a.m.
 Millington, Gareth, Friday-095-9:55 a.m.
 Millington, Nate, Saturday-032-9:55 a.m., Sunday-036-8:00 a.m.
 Millones Mayer, Marco, Friday-043.1-1:10 p.m.
 Mills, Amy, Saturday-098-3:05 p.m.
 Mills, David, Saturday-058-5:00 p.m.
 Mills, Emily, Thursday-062-9:55 a.m.
 Millsaps, Lisa, Saturday-019-5:00 p.m., Thursday-017-1:10 p.m., Thursday-017-5:00 p.m.
 Millward, Andrew, Wednesday-090-12:40 p.m., Thursday-055-3:05 p.m., Saturday-034-1:10 p.m.
 Min, Lisa, Sunday-066-9:55 a.m.
 Minca, Claudio, Friday-008-9:55 a.m., Saturday-003-1:10 p.m., Wednesday-007-4:30 p.m., Saturday-090-8:00 a.m., Friday-100-3:05 p.m.
 Minckley, Thomas, Friday-093-1:10 p.m.
 Minde, Julie, Sunday-058-9:55 a.m.
 Miner, Katelyn, Friday-043.3-9:55 a.m.
 MingMing, Guan, Saturday-043.3-9:55 a.m.
 Mini, Simphiwe, Thursday-073-3:05 p.m.
 Minkoff-Zern, Laura-Anne, Friday-100-5:00 p.m.
 Minn, Michael, Sunday-024-8:00 a.m., Wednesday-066-4:30 p.m., Thursday-064-1:10 p.m., Thursday-064-3:05 p.m., Thursday-043.3-1:10 p.m.
 Minor, Jesse, Thursday-033.5-8:00 a.m.
 Minor, Joseph, Friday-088-1:10 p.m.
 Mintz, Julia, Saturday-043.3-9:55 a.m.
 Miralha, Lorryne, Wednesday-073-8:00 a.m.
 Miranda, Kimberly, Thursday-007-8:00 a.m., Friday-098-1:10 p.m.
 Miron, John, Thursday-021-8:00 a.m., Thursday-021-9:55 a.m., Thursday-021-1:10 p.m., Thursday-021-3:05 p.m., Thursday-021-5:00 p.m., Friday-021-9:55 a.m., Friday-021-1:10 p.m., Friday-021-8:00 a.m., Friday-021-3:05 p.m.
 Miron, Justin, Thursday-055-3:05 p.m.
 Mirzaee, Sahar, Saturday-058-9:55 a.m.
 Mirzaei, Aftab, Friday-094-3:05 p.m.
 Misfeldt, James, Saturday-043.1-8:00 a.m.
 Mishra, Deepak, Thursday-043.1-8:00 a.m., Thursday-058-9:55 a.m., Saturday-033.5-8:00 a.m., Thursday-058-3:05 p.m.
 Misquitta, Karan, Sunday-024-9:55 a.m.
 Mitchell, Christine, Friday-063-8:00 a.m.
 Mitchell, James, Friday-002-3:05 p.m.
 Mitchell, Jennifer, Friday-022-1:10 p.m.
 Mitchell, Jerry, Thursday-016-5:00 p.m., Friday-069-8:00 a.m.
 Mitchell, Lindsay, Thursday-070-5:00 p.m.
 Mitchell, Peta, Wednesday-012-8:00 a.m., Thursday-034-1:10 p.m.
 Mitchell, Raven, Thursday-033.5-1:10 p.m.
 Mitchell, Tyler, Friday-043.1-3:05 p.m.
 Mitchell-Eaton, Emily, Sunday-016-2:00 p.m., Sunday-016-3:55 p.m.
 Mitchem, Jamie, Friday-024-8:00 a.m.
 Mitchneck, Beth, Thursday-065-1:10 p.m., Saturday-084-1:10 p.m.
 Mitra, Chandana, Thursday-034-5:00 p.m., Friday-019-9:55 a.m.
 Mitra, Sudeshna, Friday-018-9:55 a.m.
 Miyares, Ines, Saturday-005-5:00 p.m.
 Mizen, Amy, Wednesday-055-12:40 p.m., Thursday-057-3:05 p.m.
 Mizes, James, Saturday-097-8:00 a.m.
 Mock, Cary, Thursday-043.1-8:00 a.m., Friday-008-5:00 p.m.
 Mockrin, Miranda, Saturday-058-1:10 p.m.
 Modan, Gabriella, Friday-098-8:00 a.m.
 Modlin, Eddie, Friday-028-8:00 a.m., Thursday-031-3:05 p.m.
 Moebius, Corinna, Thursday-033-1:10 p.m.
 Moellering, Harold, Wednesday-032-8:00 a.m.
 Mogende, Emmanuel, Friday-010-1:10 p.m.
 Mohabir, Nalini, Wednesday-057-12:40 p.m.
 Mohall, Marcus, Thursday-092-3:05 p.m.
 Mohammad, Robina, Friday-019-5:00 p.m.
 Mohammadalizadehkorde, Milad, Friday-087-8:00 a.m.
 Mohan, Taneesha, Thursday-087-9:55 a.m.
 Mohanty, Aditya, Saturday-008-9:55 a.m.
 Mohapatra, Rama, Friday-056-9:55 a.m., Friday-062-5:00 p.m.
 Mohebalian, Phillip, Thursday-103-1:10 p.m.
 Moise, PhD., MPH, Imelda, Saturday-073-1:10 p.m.
 Moisio, Sami, Thursday-102-1:10 p.m., Thursday-082-8:00 a.m., Thursday-082-9:55 a.m.
 Mokhtar, Hasnaa, Friday-099-9:55 a.m., Friday-103-5:00 p.m.
 Mokos, Jennifer, Saturday-040-5:00 p.m.
 Molden, Olivia, Thursday-047-9:55 a.m.
 Moles, Aimee, Thursday-048-3:05 p.m.
 MOLLÁ, ALAMIN, Thursday-034-5:00 p.m.
 Mollett, Sharlene, Friday-065-1:10 p.m., Saturday-035-9:55 a.m., Sunday-081-2:00 p.m.
 Monahan, Kyle, Thursday-043.2-3:05 p.m.
 Monakhova, Maria, Friday-043.2-9:55 a.m.
 Mondal, Pinki, Friday-073-1:10 p.m., Friday-073-3:05 p.m., Friday-073-5:00 p.m.,

PARTICIPANT INDEX

- Thursday-065-8:00 a.m., Saturday-043.3-9:55 a.m., Thursday-043.4-9:55 a.m.
 Monier, Lacy, Friday-043.1-3:05 p.m.
 Monk, Janice, Thursday-100-1:10 p.m., Thursday-100-3:05 p.m.
 Monmonier, Mark, Saturday-009-5:00 p.m.
 Mononen, Tuija, Thursday-057-5:00 p.m.
 Monroe, Cissy, Thursday-064-1:10 p.m.
 Monroe, Kristin, Saturday-081-8:00 a.m.
 Montalvo, Edris, Friday-090-3:05 p.m., Thursday-043.8-1:10 p.m., Thursday-036-5:00 p.m.
 Montange, Leah, Friday-008-9:55 a.m., Thursday-087-1:10 p.m.
 Montefrio, Marvin Joseph, Friday-073-3:05 p.m.
 Monteith, William, Sunday-070-9:55 a.m., Saturday-004-1:10 p.m., Saturday-004-5:00 p.m.
 Montenegro, Maywa, Wednesday-035-9:55 a.m., Wednesday-035-12:40 p.m.
 Montero, Fernando, Friday-017-5:00 p.m.
 Montero, Sergio, Saturday-036-5:00 p.m., Saturday-012-8:00 a.m., Saturday-012-9:55 a.m., Saturday-049-1:10 p.m.
 Montes, Antoinette, Friday-043.1-1:10 p.m.
 Monteverde, Corrie, Thursday-043.1-8:00 a.m.
 Montgomery, Meghan, Saturday-033-8:00 a.m.
 Montoya, Teresa, Wednesday-033-4:30 p.m.
 Montz, Burrell, Friday-043.4-3:05 p.m.
 Moody, Rowan, Friday-043.2-3:05 p.m., Thursday-033.5-8:00 a.m.
 Mookherjee, Debnath, Thursday-028-8:00 a.m.
 Moore, Adam, Saturday-019-1:10 p.m., Saturday-010-5:00 p.m.
 Moore, Amelia, Sunday-054-8:00 a.m.
 Moore, Cayton, Saturday-043.7-8:00 a.m.
 Moore, Elizabeth, Friday-048-9:55 a.m.
 Moore, Ilona, Friday-086-1:10 p.m., Friday-073-5:00 p.m.
 Moore, Jon, Wednesday-068-2:35 p.m., Thursday-041-1:10 p.m.
 Moore, Megan, Saturday-061-5:00 p.m., Thursday-022-1:10 p.m.
 Moore, Meredith, Thursday-022-9:55 a.m.
 Moore, Raymond, Thursday-043.2-9:55 a.m.
 Moore, Sarah, Saturday-095-8:00 a.m., Wednesday-093-8:00 a.m., Wednesday-093-9:55 a.m., Wednesday-093-12:40 p.m.
 Moore, Sophie, Thursday-082-1:10 p.m., Thursday-082-3:05 p.m.
 Moore, Todd, Wednesday-073-2:35 p.m., Thursday-043.1-8:00 a.m., Thursday-041-5:00 p.m.
 Moore Pewu, Jamila, Friday-043.1-9:55 a.m.
 Moorman, Lynn, Thursday-009-8:00 a.m., Friday-024-9:55 a.m.
 Mooses, Veronika, Thursday-089-9:55 a.m.
 Moradi, Sanan, Thursday-080-8:00 a.m.
 Moraes, Camila Maria, Wednesday-065-2:35 p.m.
 Morales, Soledad, Wednesday-065-12:40 p.m.
 Morales-Ramirez, Carlos, Saturday-058-5:00 p.m.
 Moran, Sharon, Friday-094-8:00 a.m., Thursday-033.5-9:55 a.m.
 Morckel, Victoria, Thursday-092-8:00 a.m.
 Morelli, Thomas, Thursday-067-3:05 p.m.
 Moreno, Karina, Thursday-026-5:00 p.m.
 Morera Beita, Carlos, Saturday-049-9:55 a.m.
 Morgan, Grayson, Thursday-067-1:10 p.m.
 Morgan, John, Friday-008-8:00 a.m., Wednesday-083-8:00 a.m., Thursday-043.6-1:10 p.m.
 Morgan, Shelley, Friday-033.5-1:10 p.m.
 Morin, Karen, Thursday-065-3:05 p.m.
 Morinville, Cynthia, Saturday-004-1:10 p.m., Sunday-089-3:55 p.m.
 Morrar, Rabeh, Thursday-004-9:55 a.m.
 Morrin, Connor, Saturday-043.2-8:00 a.m.
 Morris, Max, Wednesday-056-9:55 a.m.
 Morrissey, Matthew, Saturday-049-8:00 a.m.
 Morrow, Christina, Friday-043.1-3:05 p.m.
 Morrow, Leonor, Friday-098-8:00 a.m.
 Morse, Adam, Thursday-080-8:00 a.m.
 Morshed, Niaz, Thursday-043.2-3:05 p.m., Wednesday-056-2:35 p.m.
 Morton, April, Thursday-089-9:55 a.m.
 Moseley, William, Saturday-094-8:00 a.m., Thursday-027-1:10 p.m., Friday-038-1:10 p.m., Thursday-054-9:55 a.m.
 Mosher, Danika, Thursday-043.1-8:00 a.m.
 Moskal, L. Monika, Wednesday-052-12:40 p.m., Thursday-067-1:10 p.m.
 Mosley, Camryn, Friday-043.1-3:05 p.m.
 Moss, Paul, Saturday-067-8:00 a.m.
 Moss, Timothy, Friday-023-9:55 a.m., Friday-092-8:00 a.m.
 Mössner, Samuel, Saturday-095-3:05 p.m.
 Mostafanezhad, Mary, Saturday-005-1:10 p.m., Thursday-090-3:05 p.m., Friday-035-9:55 a.m.
 Mostafiz, Rubayet, Friday-036-8:00 a.m.
 Mostowsky, Zachary, Friday-043.2-8:00 a.m.
 Mote, Thomas, Thursday-065-3:05 p.m., Thursday-033.5-1:10 p.m., Thursday-043.1-8:00 a.m., Friday-052-8:00 a.m., Friday-052-9:55 a.m.
 Motoyama, Yasuyuki, Friday-070-3:05 p.m.
 Mott, Carrie, Thursday-070-8:00 a.m., Wednesday-057-2:35 p.m.
 MOU, XUEJIE, Friday-043.1-1:10 p.m., Thursday-033.5-9:55 a.m.
 Moulton, Alex, Saturday-035-8:00 a.m., Thursday-082-3:05 p.m.
 Moulton, Holly, Saturday-057-9:55 a.m.
 Mountz, Alison, Saturday-008-5:00 p.m., Thursday-095-3:05 p.m., Sunday-094-8:00 a.m.
 Mousavi, Sima, Friday-082-5:00 p.m.
 Mu, Lan, Thursday-060-3:05 p.m., Thursday-056-5:00 p.m., Saturday-053-9:55 a.m.
 Mu, Wangshu, Saturday-034-1:10 p.m.
 Mudu, Pierpaolo, Friday-012-1:10 p.m., Friday-012-3:05 p.m.
 Mueller, Frank, Sunday-084-2:00 p.m.
 Mueller, Rick, Sunday-062-8:00 a.m.
 Mueller, Thomas, Saturday-019-5:00 p.m., Thursday-070-5:00 p.m.
 Muellerleile, Chris, Saturday-097-8:00 a.m.
 Muenther, Angelika, Wednesday-094-8:00 a.m., Wednesday-094-9:55 a.m.
 Muhammad, Nuratu, Thursday-064-1:10 p.m.
 Muir, Carly, Saturday-066-8:00 a.m., Saturday-066-9:55 a.m.
 Mujica, Frances, Thursday-043.3-1:10 p.m.
 Mukherjee, Falguni, Thursday-073-9:55 a.m.
 Mukherjee, Rohit, Thursday-035-1:10 p.m.
 Mukherjee, Sanjukta, Thursday-041-9:55 a.m.
 Mulkey, Alexis, Friday-043.2-9:55 a.m.
 Mullenite, Joshua, Saturday-064-3:05 p.m., Saturday-064-1:10 p.m., Wednesday-009-12:40 p.m.
 Muller, Joanne, Wednesday-072-4:30 p.m.
 Müller, Claus, Friday-062-3:05 p.m.
 Mulligan, Adrian, Thursday-033-1:10 p.m.
 Mulligan, Kevin, Friday-043.4-8:00 a.m.
 Mullikin, Justin, Thursday-068-5:00 p.m., Friday-027-9:55 a.m., Friday-027-8:00 a.m., Friday-027-3:05 p.m., Friday-027-1:10 p.m., Friday-027-5:00 p.m.
 Mullings, Beverley, Wednesday-088-9:55 a.m., Thursday-007-1:10 p.m., Saturday-008-5:00 p.m., Wednesday-003-2:35 p.m.
 Mulvaney, Dustin, Saturday-032-8:00 a.m., Saturday-032-1:10 p.m.
 Mumich, Natalie, Friday-080-8:00 a.m.
 Mundi, Rhoda, Wednesday-056-2:35 p.m.
 Mundis, Stephanie, Friday-055-9:55 a.m., Thursday-056-9:55 a.m.
 Mundrick, Francesca, Friday-043.3-1:10 p.m.
 Munoz, Solange, Friday-101-9:55 a.m.
 Muñoz, Cristina, Friday-048-5:00 p.m., Saturday-033.5-9:55 a.m.
 Muñoz, Lorena, Saturday-089-5:00 p.m., Thursday-041-9:55 a.m., Saturday-065-1:10 p.m., Saturday-002-8:00 a.m., Friday-098-1:10 p.m., Sunday-028-8:00 a.m.
 Munro, Alastair, Friday-055-3:05 p.m.
 Munroe, Darla, Friday-090-9:55 a.m., Friday-066-1:10 p.m., Friday-066-3:05 p.m., Saturday-068-1:10 p.m., Thursday-065-8:00 a.m., Saturday-054-5:00 p.m., Sunday-064-2:00 p.m.
 Munro-Stasiuk, Mandy, Saturday-062-9:55 a.m., Thursday-043.4-9:55 a.m.
 Murdoch, James, Saturday-003-8:00 a.m.
 Murillo, Paulo, Friday-066-8:00 a.m.
 Murphy, Alexander, Thursday-099-3:05 p.m., Friday-038-1:10 p.m., Friday-081-5:00 p.m., Friday-019-5:00 p.m., Saturday-002-1:10 p.m.
 Murphy, Blaise, Saturday-062-8:00 a.m.
 Murphy, James, Thursday-092-1:10 p.m., Wednesday-012-4:30 p.m., Sunday-038-2:00 p.m.
 Murphy, Michael, Saturday-043.3-9:55 a.m.
 Murray, Alan, Thursday-055-5:00 p.m., Saturday-034-8:00 a.m., Saturday-034-9:55 a.m., Saturday-081-3:05 p.m., Friday-047-9:55 a.m., Saturday-020-8:00 a.m.
 Murray, Grant, Sunday-058-9:55 a.m., Friday-084-9:55 a.m.

PARTICIPANT INDEX

Murrey, Amber, Saturday-069-8:00 a.m., Thursday-057-1:10 p.m., Sunday-084-3:55 p.m.
 Murton, Galen, Thursday-005-1:10 p.m., Thursday-018-8:00 a.m., Friday-006-8:00 a.m.,
 Thursday-018-5:00 p.m., Friday-006-9:55 a.m., Thursday-010-3:05 p.m.,
 Thursday-018-9:55 a.m.
 Muscarà, Luca, Saturday-083-3:05 p.m.
 Mushipe, Tonderai, Wednesday-066-2:35 p.m., Wednesday-066-4:30 p.m.
 Mustafa, Daanish, Saturday-043.3-8:00 a.m., Friday-017-8:00 a.m.
 Mutersbaugh, Tad, Wednesday-051-12:40 p.m., Wednesday-051-2:35 p.m.
 Muthukrishnan, Suresh, Thursday-043.1-3:05 p.m.
 Muthyala, Rohi, Saturday-057-9:55 a.m.
 Mwamfupe, Asubisye, Saturday-033-8:00 a.m., Saturday-033-9:55 a.m.,
 Saturday-033-1:10 p.m.
 Mwenda, Kevin, Friday-027-8:00 a.m., Friday-041-5:00 p.m.
 Myadar, Orhon, Wednesday-038-12:40 p.m., Wednesday-036-2:35 p.m.
 Myers, Garth, Wednesday-038-12:40 p.m., Wednesday-012-4:30 p.m.,
 Saturday-047-1:10 p.m.
 Myers, James, Friday-043.2-1:10 p.m.
 Mykhnenko, Vlad, Friday-067-5:00 p.m., Friday-022-8:00 a.m.
 Myles, Colleen, Thursday-026-8:00 a.m., Wednesday-068-4:30 p.m.,
 Thursday-026-9:55 a.m., Saturday-067-8:00 a.m., Friday-026-8:00 a.m.,
 Friday-026-9:55 a.m.
 Myles, Kristy, Wednesday-092-12:40 p.m.

N

N, Maxwell, Friday-043.4-1:10 p.m.
 Naadzenga, Aperr, Thursday-043.1-9:55 a.m.
 Naberezny, Brian, Thursday-043.2-9:55 a.m.
 Nackoney, Janet, Sunday-028-2:00 p.m., Sunday-028-3:55 p.m.
 Nadeau, Julia, Friday-043.3-9:55 a.m.
 Nader, Brenton, Friday-005-9:55 a.m.
 Nadybal, Shawna, Thursday-092-3:05 p.m.
 Nafaa, Nora, Friday-025-3:05 p.m.
 Nagar, Richa, Saturday-039-1:10 p.m.
 Nagel, Caroline, Saturday-001-9:55 a.m.
 Nagle, Nicholas, Friday-065-5:00 p.m., Thursday-089-9:55 a.m., Saturday-048-1:10 p.m.
 Naidoo, Indran, Wednesday-049-4:30 p.m.
 Naik, Mukta, Wednesday-041-2:35 p.m.
 Nair, Teshura, Friday-097-9:55 a.m.
 Naito, Adam, Thursday-094-8:00 a.m., Thursday-065-8:00 a.m.
 Naka, Ikuno, Saturday-038-1:10 p.m.
 Nakamura, H Richard, Friday-092-3:05 p.m.
 Naliaka, Amina, Wednesday-049-9:55 a.m.
 Nam, Yunwoo, Sunday-069-9:55 a.m.
 Namikas, Steven, Saturday-072-3:05 p.m.
 NANGONG, Zhina, Thursday-043.1-1:10 p.m.
 Napper, Olivia, Wednesday-033-2:35 p.m.
 Nara, Atsushi, Wednesday-001-12:40 p.m., Saturday-091-1:10 p.m.,
 Wednesday-001-2:35 p.m., Friday-047-9:55 a.m.
 Naraghi, Nazanin, Wednesday-093-12:40 p.m.
 Narayan, Priti, Saturday-061-5:00 p.m.
 Narins, Tom, Friday-023-9:55 a.m.
 Narsiah, Sagie, Friday-082-5:00 p.m.
 Nash, Deanna, Friday-052-1:10 p.m.
 Naslund, Skye, Thursday-060-1:10 p.m., Thursday-093-3:05 p.m.,
 Saturday-041-5:00 p.m.
 Nasr Azadani, ELHAM, Saturday-091-8:00 a.m.
 Nast, Heidi, Thursday-012-5:00 p.m., Wednesday-082-2:35 p.m., Friday-031-9:55 a.m.,
 Sunday-016-3:55 p.m.
 Natapov, Asya, Friday-094-3:05 p.m.
 Natarajan, Lucy, Saturday-082-9:55 a.m.
 Natori, Yoji, Thursday-032-3:05 p.m.
 Natsume, Muneyki, Thursday-043.6-1:10 p.m.
 Naughton, Lisa, Thursday-103-8:00 a.m., Thursday-086-5:00 p.m.
 Nauman, Claire, Friday-069-5:00 p.m.
 Nava Ramos, Marlene, Saturday-012-1:10 p.m., Friday-088-9:55 a.m.
 Navarrete, David, Saturday-012-9:55 a.m.
 Na-Yemeh, Dolly, Friday-025-1:10 p.m.
 Naylor, Lindsay, Friday-073-1:10 p.m., Friday-073-3:05 p.m., Friday-073-5:00 p.m.
 Neal, Zachary, Saturday-081-9:55 a.m., Friday-091-9:55 a.m., Saturday-081-1:10 p.m.,
 Saturday-081-3:05 p.m., Saturday-081-5:00 p.m.
 Neale, Timothy, Sunday-051-9:55 a.m.
 Nearman, Scott, Thursday-043.2-1:10 p.m.
 Neff, Rob, Thursday-017-3:05 p.m.
 Nekorchuk, Dawn, Thursday-043.1-3:05 p.m.
 Nelischer, Katherine, Friday-037-9:55 a.m.
 Nelles, Jen, Saturday-020-3:05 p.m.
 Nelson, Frederick, Thursday-033.5-1:10 p.m., Thursday-072-9:55 a.m.,
 Thursday-043.1-8:00 a.m.
 Nelson, Ingrid, Thursday-068-5:00 p.m., Saturday-088-9:55 a.m., Friday-060-9:55 a.m.
 Nelson, Jake, Saturday-049-8:00 a.m.
 Nelson, Joanne, Friday-102-8:00 a.m., Friday-086-9:55 a.m., Wednesday-086-9:55 a.m.
 Nelson, Katharine, Saturday-080-8:00 a.m.
 Nelson, Katherine, Friday-062-9:55 a.m.
 Nelson, Kathrynne-Anna, Friday-033.5-9:55 a.m.
 Nelson, Lise, Wednesday-050-4:30 p.m., Saturday-010-5:00 p.m.,
 Saturday-010-3:05 p.m.
 Nelson, Peter, Thursday-100-8:00 a.m., Friday-090-8:00 a.m.
 Nelson, Sara, Friday-012-8:00 a.m.
 Nelson, Sarah, Sunday-086-9:55 a.m.
 Nelson, Spencer, Saturday-090-9:55 a.m., Thursday-020-5:00 p.m.
 NEOG, DRISTI, Sunday-016-8:00 a.m., Sunday-016-9:55 a.m.
 Nepal, Sanjay, Friday-004-9:55 a.m., Saturday-005-8:00 a.m., Saturday-005-1:10 p.m.,
 Saturday-005-9:55 a.m.
 Nessly, Daniel, Friday-049-3:05 p.m.
 Nestor, Curt, Friday-022-3:05 p.m.
 Neubert, Christopher, Sunday-064-9:55 a.m.
 Neugarten, Rachel, Sunday-028-2:00 p.m.
 Neumann, Blake, Thursday-057-5:00 p.m.
 Neumann, Rod, Friday-008-5:00 p.m., Saturday-001-3:05 p.m.
 Newberry, Jay, Friday-082-9:55 a.m.
 Newbold, Bruce, Thursday-065-1:10 p.m., Sunday-016-8:00 a.m.
 Newdeck, Patricia, Thursday-028-8:00 a.m.
 Newell, Joshua, Sunday-091-9:55 a.m., Sunday-091-8:00 a.m.
 Newisar, May, Friday-028-8:00 a.m.
 Newman, Kathe, Sunday-036-9:55 a.m., Saturday-097-1:10 p.m.,
 Thursday-001-9:55 a.m.
 Newman, Sara, Saturday-020-1:10 p.m.
 Newsam, Shawn, Wednesday-008-4:30 p.m., Friday-041-1:10 p.m.
 Nguyen, Emily, Friday-018-8:00 a.m.
 Nguyen, Gia, Thursday-064-1:10 p.m.
 Nguyen, Khai Hoan, Wednesday-084-2:35 p.m.
 Nguyen, Nicole, Wednesday-039-4:30 p.m., Saturday-027-9:55 a.m.,
 Saturday-027-5:00 p.m., Saturday-027-3:05 p.m., Saturday-027-1:10 p.m.,
 Friday-023-3:05 p.m.
 Nguyen, Sun, Thursday-025-1:10 p.m.
 Ni, Bing-Si, Wednesday-055-12:40 p.m.
 Nicholas, Christopher, Saturday-057-3:05 p.m.
 Nicholls, Walter, Thursday-102-8:00 a.m.
 Nichols, Carly, Saturday-102-3:05 p.m.
 Nichols, Sandra, Saturday-083-3:05 p.m.
 Nicholson, Philip, Thursday-093-8:00 a.m., Thursday-093-9:55 a.m.,
 Thursday-026-3:05 p.m., Saturday-089-1:10 p.m.
 Nieberg, Henry, Friday-050-1:10 p.m.
 Niederman, Emily, Thursday-066-3:05 p.m.
 Niedt, Christopher, Thursday-036-3:05 p.m.
 Niedt, Greg, Friday-098-8:00 a.m., Friday-098-9:55 a.m.
 Niedzielski, Michael, Thursday-049-1:10 p.m.
 Nielsen, Eric, Saturday-043.2-8:00 a.m.
 Nielsen, Kenneth, Thursday-009-1:10 p.m.
 Nielson, Samuel, Wednesday-037-9:55 a.m.
 Nieminen, Niina, Thursday-095-8:00 a.m.
 Nieth, Lisa, Friday-001-3:05 p.m.
 Nightingale, Elana, Friday-102-9:55 a.m.
 Nijman, Jan, Thursday-086-8:00 a.m., Thursday-086-9:55 a.m.
 Niles, Daniel, Sunday-055-3:55 p.m., Friday-094-8:00 a.m.
 Nilsen, Trond, Thursday-081-1:10 p.m.

PARTICIPANT INDEX

Nilsson, Isabelle, Wednesday-066-12:40 p.m., Wednesday-066-2:35 p.m., Friday-047-8:00 a.m., Thursday-021-8:00 a.m., Wednesday-066-4:30 p.m.
 Nilsson, Mats, Saturday-005-5:00 p.m.
 Nimoh, Suzanne, Thursday-033-9:55 a.m.
 Ninglekhu, Sabin, Thursday-018-9:55 a.m.
 Nisa, Richard, Friday-017-5:00 p.m.
 Niu, Caicheng, Friday-043.2-9:55 a.m.
 Nixon, Denver, Friday-095-8:00 a.m., Saturday-018-9:55 a.m.
 Nixon, Rebecca, Sunday-060-8:00 a.m., Friday-010-9:55 a.m.
 Noe, Christine, Saturday-033-8:00 a.m., Saturday-033-9:55 a.m., Saturday-033-1:10 p.m.
 Noe, Egon, Saturday-039-9:55 a.m.
 Nogueira, Mara, Sunday-084-3:55 p.m., Wednesday-084-9:55 a.m., Sunday-084-2:00 p.m., Wednesday-092-4:30 p.m.
 Nogueira, Ricardo, Thursday-017-8:00 a.m.
 Noi, Evgeny, Saturday-034-9:55 a.m.
 Nolan, Lee Ann, Wednesday-074-4:30 p.m.
 Nolin, Anne, Saturday-073-8:00 a.m., Friday-072-9:55 a.m., Friday-072-1:10 p.m., Friday-072-3:05 p.m.
 Nop, Sothun, Friday-018-1:10 p.m.
 Norcliffe, Glen, Wednesday-037-4:30 p.m., Wednesday-037-2:35 p.m.
 Nordbakke, Susanne, Thursday-051-1:10 p.m.
 Noroña, María Belén, Wednesday-036-9:55 a.m.
 Norton, Clarice, Thursday-043.4-9:55 a.m.
 Norton, Jack, Sunday-028-9:55 a.m.
 Nost, Eric, Wednesday-092-12:40 p.m., Wednesday-065-2:35 p.m., Wednesday-092-9:55 a.m., Friday-072-1:10 p.m.
 Nostrand, Richard, Thursday-027-3:05 p.m., Thursday-036-5:00 p.m.
 Noterman, Elsa, Thursday-037-9:55 a.m.
 Nourin, Fatema Tuz, Saturday-091-8:00 a.m.
 Novkovic, Anja, Saturday-102-9:55 a.m.
 Nowicki, Mel, Sunday-061-8:00 a.m.
 Nowlin, John, Thursday-067-1:10 p.m., Wednesday-083-2:35 p.m.
 Ntabathia, Jude, Wednesday-092-12:40 p.m.
 Nugent, Nadine, Thursday-028-9:55 a.m.
 Nuhu, Zainab, Sunday-027-2:00 p.m., Saturday-063-5:00 p.m.
 Nunes Silva, Carlos, Thursday-073-8:00 a.m., Thursday-073-9:55 a.m., Thursday-073-1:10 p.m., Thursday-073-3:05 p.m.
 Nunez, Eduardo,
 Nunez, Natalie, Thursday-043.4-9:55 a.m.
 Nur, S M Shihab, Friday-019-9:55 a.m.
 Nyikana, Siyabulela, Wednesday-037-2:35 p.m.
 Nyland, Kelsey, Thursday-033.5-1:10 p.m., Thursday-072-9:55 a.m.
 Nzeyimana, Antoine, Friday-043.1-8:00 a.m.

O

Oakes, Tim, Saturday-005-1:10 p.m., Friday-006-8:00 a.m.
 Obarein, Omon, Thursday-043.1-8:00 a.m.
 Obeng-Odoom, Franklin, Friday-039-3:05 p.m., Wednesday-012-4:30 p.m.
 Oberle, Holly, Wednesday-037-4:30 p.m.
 Oberle, Patrick, Saturday-006-3:05 p.m.
 Oberlin, Kathleen, Thursday-060-8:00 a.m.
 O'Brien, Karen, Saturday-061-3:05 p.m., Sunday-041-9:55 a.m., Thursday-090-5:00 p.m.
 O'Brien, Shayne, Thursday-043.1-8:00 a.m.
 OCAL, DEVTRAN, Friday-035-1:10 p.m., Friday-035-3:05 p.m.
 Ochoa, Francisco, Sunday-088-2:00 p.m.
 O'Clery, Neave, Saturday-081-9:55 a.m.
 O'Connell, Stephen, Thursday-043.2-3:05 p.m.
 Oda, Katsuhiko, Wednesday-051-4:30 p.m., Friday-057-3:05 p.m., Thursday-069-1:10 p.m.
 Oda, Tomohiro, Thursday-043.1-8:00 a.m.
 Odell, Scott, Friday-043.3-1:10 p.m.
 Oduro Appiah, Joseph, Sunday-039-8:00 a.m.
 Oelke, Ben, Saturday-043.5-8:00 a.m.
 Oers, Laura, Friday-023-8:00 a.m.
 Oertel, Elena, Saturday-043.3-9:55 a.m.
 Oestergaard, Christian R., Saturday-099-9:55 a.m.
 Ofori-Amoah, Benjamin, Saturday-074-9:55 a.m.
 Ogbonna, Joshua, Wednesday-074-9:55 a.m.
 Ogden, Mitchell, Thursday-043.1-8:00 a.m., Friday-043.4-3:05 p.m.
 O'Gorman, William, Friday-070-3:05 p.m.
 Oguz, Zeynep, Friday-034-8:00 a.m.
 Oh, Doo-Ri, Saturday-066-1:10 p.m.
 Oh, Suhyon, Friday-097-8:00 a.m.
 Ohr, Sewon, Saturday-058-1:10 p.m.
 Ojeda, Diana, Wednesday-036-9:55 a.m., Thursday-052-5:00 p.m., Saturday-012-9:55 a.m., Wednesday-036-12:40 p.m., Sunday-081-2:00 p.m., Friday-088-8:00 a.m.
 Okamoto, Kohei, Wednesday-091-8:00 a.m., Wednesday-091-2:35 p.m.
 Oke, Oluwatobi, Wednesday-068-9:55 a.m.
 O'Keefe, Paul, Friday-040-5:00 p.m.
 Okoye, Victoria, Friday-043.1-9:55 a.m.
 Olanrewaju, Olalekan, Thursday-024-8:00 a.m.
 Oldakowski, Ray, Friday-057-9:55 a.m.
 O'Lear, Shannon, Thursday-010-8:00 a.m., Thursday-010-9:55 a.m., Sunday-027-3:55 p.m., Saturday-054-9:55 a.m.
 Oliveira, Guilherme, Saturday-067-1:10 p.m.
 Oliveira, Gustavo, Wednesday-051-2:35 p.m., Friday-031-9:55 a.m., Thursday-005-9:55 a.m., Saturday-041-5:00 p.m., Thursday-082-1:10 p.m., Saturday-080-1:10 p.m.
 Oliver, Caroline, Friday-007-9:55 a.m.
 Oliver, Robert, Friday-064-5:00 p.m., Saturday-064-9:55 a.m.
 Olmedo, Elise, Saturday-102-8:00 a.m.
 Olson, Elizabeth, Saturday-088-9:55 a.m., Wednesday-082-4:30 p.m.
 Olson, Ingrid, Saturday-087-8:00 a.m.
 Olson, Jeffrey, Friday-090-9:55 a.m.
 Olstad, Tyra, Friday-080-9:55 a.m.
 Olszewska-Guzzo, Agnieszka, Saturday-060-3:05 p.m.
 Olwig, Kenneth, Thursday-099-5:00 p.m., Friday-100-3:05 p.m.
 Olwig, Mette, Saturday-033-9:55 a.m., Saturday-033-1:10 p.m.
 Omambia, Jared, Saturday-043.3-9:55 a.m.
 O'Manique, Sophie, Sunday-061-8:00 a.m.
 Ondrusek-Roy, Joanna, Sunday-055-9:55 a.m.
 O'Neal, Blaire, Friday-037-3:05 p.m.
 O'Neill, Moira, Saturday-099-9:55 a.m.
 O'Neill, Aisling, Friday-070-3:05 p.m.
 ONER, ASLI, Saturday-038-5:00 p.m.
 Onserio, Margaret, Thursday-043.3-9:55 a.m.
 Ooi, Natalie, Friday-004-9:55 a.m.
 Oosterlynck, Stijn, Friday-003-9:55 a.m.
 OPACH, TOMASZ, Sunday-057-9:55 a.m.
 Opiniano, Jeremiaiah, Friday-097-9:55 a.m.
 Oppenheim, Beth, Saturday-102-5:00 p.m.
 Oppong, Joseph, Friday-053-1:10 p.m., Saturday-074-9:55 a.m.
 Oprean, Danielle, Friday-074-1:10 p.m., Thursday-072-5:00 p.m.
 O'Pry, Kelsey, Saturday-043.5-8:00 a.m.
 Opstal, Dan, Saturday-043.5-8:00 a.m.
 O'Regan, Michael, Thursday-006-8:00 a.m.
 Orenstein, Alex, Saturday-082-3:05 p.m., Saturday-093-8:00 a.m., Friday-069-1:10 p.m., Saturday-055-8:00 a.m., Wednesday-083-12:40 p.m., Sunday-004-9:55 a.m.
 Orlando, Philip, Friday-043.1-8:00 a.m.
 Ormerod, Emma, Friday-008-8:00 a.m.
 Ormerod, Kerri, Friday-034-8:00 a.m., Saturday-016-3:05 p.m.
 Omouski, Erika, Friday-006-1:10 p.m., Thursday-043.1-8:00 a.m., Friday-006-3:05 p.m.
 Orr, Bart, Sunday-041-2:00 p.m.
 Ortiz, Mark, Thursday-095-1:10 p.m., Wednesday-034-4:30 p.m.
 Ory, Joanna, Saturday-101-3:05 p.m.
 Orzeck, Reecia, Thursday-033-8:00 a.m.
 OSAYANDE ENOMA, JULIE, Friday-028-5:00 p.m.
 Osborne, Tess, Wednesday-037-8:00 a.m.
 Osborne, Tracey, Friday-017-1:10 p.m., Saturday-054-9:55 a.m.
 Osei, William, Sunday-060-2:00 p.m.
 Oshan, Taylor, Wednesday-067-9:55 a.m., Wednesday-067-12:40 p.m., Wednesday-067-2:35 p.m., Wednesday-067-4:30 p.m., Thursday-090-1:10 p.m., Thursday-027-8:00 a.m.
 Oslender, Ulrich, Thursday-012-8:00 a.m., Thursday-012-9:55 a.m., Thursday-050-1:10 p.m.
 Osman, Suleiman, Thursday-001-9:55 a.m.

PARTICIPANT INDEX

Osorio Veliz, Carla, Thursday-007-8:00 a.m.
 Oswald, John, Saturday-005-5:00 p.m.
 Oswin, Natalie, Wednesday-088-9:55 a.m., Wednesday-038-4:30 p.m.,
 Saturday-035-9:55 a.m., Thursday-008-1:10 p.m., Saturday-065-1:10 p.m.,
 Saturday-002-8:00 a.m.
 Otchere-Darko, William, Saturday-032-8:00 a.m.
 Oteng-Ababio, Martin, Thursday-024-9:55 a.m.
 Otiso, Kefa, Wednesday-012-4:30 p.m., Saturday-074-9:55 a.m.
 Otruba, Ariel, Saturday-019-5:00 p.m.
 Otterstrom, Samuel, Thursday-043.6-1:10 p.m.
 Otto, Jonathan, Friday-100-8:00 a.m.
 Otto, Stephan, Friday-064-9:55 a.m.
 Ou, Gengxin, Wednesday-049-9:55 a.m., Sunday-070-8:00 a.m., Saturday-062-8:00 a.m.
 Ou, Jinpei, Thursday-035-1:10 p.m.
 Ou, Menglin, Friday-049-8:00 a.m.
 Ou, Weixin, Saturday-086-5:00 p.m.
 Ouimet, William, Friday-043.1-8:00 a.m., Friday-043.4-8:00 a.m.
 Outtes, Joel, Saturday-100-3:05 p.m.
 Owens, Marcus, Saturday-101-8:00 a.m., Thursday-056-1:10 p.m.,
 Sunday-036-8:00 a.m.
 Owusu, Adobea, Friday-056-5:00 p.m.
 Owusu, Alex, Friday-056-5:00 p.m.
 Owusu, Claudio, Friday-055-8:00 a.m., Wednesday-055-2:35 p.m., Friday-055-9:55
 a.m., Friday-055-3:05 p.m., Thursday-047-5:00 p.m., Friday-055-5:00 p.m.,
 Thursday-057-9:55 a.m.
 Oyewole, Michelle, Thursday-084-5:00 p.m.

P

P, SURENDRA, Saturday-043.3-9:55 a.m.
 Pacheco, William, Friday-043.1-1:10 p.m.
 PACHECO, MARCUS, Sunday-063-9:55 a.m.
 Pacheco Colón, Neysha, Thursday-043.3-9:55 a.m.
 Padgett, David, Friday-098-5:00 p.m., Friday-070-1:10 p.m., Thursday-031-1:10 p.m.
 Padilla, Nicholas, Friday-016-9:55 a.m., Thursday-099-9:55 a.m., Friday-101-3:05 p.m.
 Padley, Michelle, Sunday-061-8:00 a.m., Friday-035-1:10 p.m., Friday-035-3:05 p.m.
 Pagan, Andrew, Friday-043.2-3:05 p.m.
 Page, Michael, Friday-043.1-8:00 a.m.
 Paidakaki, Angeliki, Sunday-047-3:55 p.m.
 Pain, Rachel, Sunday-038-9:55 a.m., Thursday-095-3:05 p.m.
 Painter, Joe, Thursday-102-1:10 p.m., Thursday-082-9:55 a.m.
 Pajevic, Filipa, Friday-020-1:10 p.m., Friday-020-3:05 p.m.
 Pak, Mariya, Saturday-103-3:05 p.m.
 Palat Narayanan, Nipesh, Friday-018-3:05 p.m.
 Palik, Julia, Saturday-001-9:55 a.m.
 Palis, Joseph, Sunday-067-8:00 a.m., Saturday-041-8:00 a.m., Friday-074-3:05 p.m.,
 Saturday-041-9:55 a.m., Saturday-089-1:10 p.m., Friday-016-8:00 a.m.
 Palko, Hannah, Friday-043.2-8:00 a.m.
 Pallares-Barbera, Montserrat, Thursday-016-9:55 a.m., Sunday-060-2:00 p.m.
 Pallister-Wilkins, Polly, Saturday-018-8:00 a.m., Saturday-003-1:10 p.m.,
 Friday-007-9:55 a.m.
 Palm, Risa, Saturday-103-8:00 a.m.
 Palmer, Anita, Saturday-047-8:00 a.m.
 Palmer, James, Saturday-023-1:10 p.m., Saturday-023-3:05 p.m.
 Palmer, Joni, Saturday-068-5:00 p.m., Saturday-003-8:00 a.m., Friday-060-8:00
 a.m., Friday-060-9:55 a.m., Friday-060-1:10 p.m.
 Palmer, Mark, Wednesday-073-12:40 p.m., Wednesday-031-2:35 p.m.,
 Thursday-031-3:05 p.m.
 Palmer, Meredith, Friday-103-3:05 p.m., Friday-017-1:10 p.m., Friday-103-5:00 p.m.
 Palmer, Sloane, Saturday-043.3-8:00 a.m.
 Palumbo, Rachel, Thursday-097-9:55 a.m., Saturday-049-1:10 p.m.
 Pan, Caleb, Saturday-073-8:00 a.m., Saturday-057-1:10 p.m.
 Pan, Tianrong, Saturday-016-5:00 p.m.
 Pan, Yujia, Friday-091-1:10 p.m., Saturday-043.7-8:00 a.m.
 Panayotopoulos, Dimitrios, Friday-064-5:00 p.m.
 Panday, Prajwal, Saturday-007-8:00 a.m.
 Pandey, Bhartendu, Thursday-086-8:00 a.m.
 Pang, Haiyan, Friday-088-1:10 p.m., Friday-020-9:55 a.m.
 Pangallozzi, Laura, Friday-034-5:00 p.m.
 Panitz, Robert, Saturday-050-8:00 a.m., Saturday-102-1:10 p.m.
 Pannell, Clifton, Friday-022-5:00 p.m.
 Panozzo, Kimberly, Sunday-092-3:55 p.m.
 Papadopoulos, Alex, Wednesday-038-8:00 a.m.
 Papadopoulos, Apostolos, Thursday-082-8:00 a.m., Thursday-082-9:55 a.m.,
 Saturday-001-9:55 a.m.
 Paprocki, Kasia, Friday-063-3:05 p.m., Friday-018-9:55 a.m.
 Paquet, Pierre-Alexandre, Saturday-023-1:10 p.m.
 Paracchini, Maria Luisa, Saturday-039-8:00 a.m.
 Paramita, Aulia, Thursday-019-5:00 p.m.
 Paredes, Alyssa, Thursday-082-1:10 p.m.
 Parekh, Trushna, Saturday-100-9:55 a.m.
 Parés, Marc, Thursday-073-1:10 p.m.
 Parikh, Aparna, Thursday-026-1:10 p.m., Friday-018-3:05 p.m., Friday-018-5:00 p.m.,
 Thursday-026-3:05 p.m., Friday-020-9:55 a.m.
 Park, Chae Yeon, Saturday-083-1:10 p.m.
 Park, Gainbi, Sunday-063-8:00 a.m.
 Park, Hyun-Gwi, Sunday-066-9:55 a.m.
 Park, Jaehae, Wednesday-001-12:40 p.m., Wednesday-001-2:35 p.m.
 Park, Jiman, Sunday-057-3:55 p.m.
 Park, Jinwoo, Thursday-098-3:05 p.m., Saturday-034-8:00 a.m.
 Park, Joon, Saturday-038-5:00 p.m.
 Park, Sohyun, Thursday-098-5:00 p.m., Sunday-064-2:00 p.m.
 Park, Yoo Min, Thursday-053-9:55 a.m.
 Parker, Jeffrey, Thursday-022-3:05 p.m., Thursday-022-5:00 p.m.
 Parker, Madeleine, Thursday-063-8:00 a.m., Thursday-082-5:00 p.m.
 Parker, Theo, Friday-007-5:00 p.m.
 Parker, William, Saturday-056-8:00 a.m.
 Parkhi, Manasi, Wednesday-092-2:35 p.m.
 Parks, Alexander, Thursday-043.1-8:00 a.m.
 Parks, Virginia, Sunday-084-8:00 a.m., Friday-005-1:10 p.m.,
 Wednesday-082-12:40 p.m.
 Parmentier, Benoit, Wednesday-008-4:30 p.m., Thursday-056-8:00 a.m.
 Parnell, Darren, Thursday-043.1-8:00 a.m.
 Parr, David, Thursday-009-8:00 a.m.
 Parrenas, Juno, Saturday-067-9:55 a.m., Friday-051-1:10 p.m.
 Partanen, Jenni, Sunday-093-9:55 a.m.
 Pascucci, Elisa, Wednesday-070-8:00 a.m., Saturday-061-8:00 a.m.,
 Wednesday-012-2:35 p.m., Friday-007-9:55 a.m., Saturday-061-9:55 a.m.
 Pashibin, Tate, Friday-080-8:00 a.m.
 Pastak, Ingmar, Saturday-038-3:05 p.m.
 Pasternak, Shiri, Thursday-067-9:55 a.m., Thursday-052-5:00 p.m.
 Pászto, Vit, Friday-039-8:00 a.m.
 Patchett, Merle, Saturday-023-3:05 p.m.
 Patel, Ruchi, Friday-068-3:05 p.m., Friday-062-8:00 a.m.
 Pathak, Prasad, Sunday-052-3:55 p.m., Wednesday-049-2:35 p.m.
 Patil, Varun, Saturday-061-5:00 p.m.
 Patin, Nick, Saturday-054-3:05 p.m., Sunday-026-8:00 a.m., Sunday-026-9:55 a.m.
 Patrick, Darren, Saturday-035-8:00 a.m., Sunday-051-8:00 a.m.
 Patrick, Robert, Thursday-047-3:05 p.m.
 Pattenden, Jonathan, Friday-099-3:05 p.m.
 Patterson, Andrew, Saturday-043.7-8:00 a.m.
 Patterson, Mark, Thursday-026-8:00 a.m., Wednesday-068-4:30 p.m.,
 Friday-026-8:00 a.m.
 Patterson, Melina, Friday-027-1:10 p.m.
 Patterson-Markowitz, Rebecca, Saturday-088-9:55 a.m., Friday-093-8:00 a.m.
 Paudel, Asha, Friday-043.1-3:05 p.m., Thursday-094-9:55 a.m.
 Paudel, Dinesh, Thursday-018-5:00 p.m., Thursday-010-3:05 p.m.
 Paudel, Rajiv, Friday-057-9:55 a.m.
 Paudyal, Pramila, Friday-049-5:00 p.m.
 Paul, Bimal, Thursday-088-8:00 a.m., Thursday-065-9:55 a.m.
 Pauli, Benjamin, Thursday-047-3:05 p.m.
 Paulus, Gernot, Friday-067-1:10 p.m.
 Pavao-Zuckerman, Mitchell, Saturday-049-9:55 a.m.
 Pavlowsky, Robert, Saturday-065-8:00 a.m., Thursday-066-9:55 a.m.,
 Friday-043.4-8:00 a.m.
 Pavri, Firooza, Friday-065-9:55 a.m.
 Payne, Will, Wednesday-012-8:00 a.m., Wednesday-012-9:55 a.m., Friday-038-8:00 a.m.,

PARTICIPANT INDEX

- Friday-038-9:55 a.m., Saturday-089-8:00 a.m., Friday-031-5:00 p.m., Thursday-041-8:00 a.m.
- Pazitka, Vladimir, Thursday-023-1:10 p.m.
- Pearce, Jamie, Friday-056-8:00 a.m., Thursday-053-9:55 a.m., Friday-053-1:10 p.m.
- Pearl, Jason, Sunday-067-2:00 p.m., Saturday-024-8:00 a.m., Sunday-067-3:55 p.m.
- Pearsall, Hamil, Sunday-037-3:55 p.m., Sunday-037-2:00 p.m., Friday-050-1:10 p.m., Saturday-068-1:10 p.m.
- Pearson, Amber, Thursday-043.2-3:05 p.m., Saturday-088-3:05 p.m., Saturday-058-5:00 p.m., Sunday-037-8:00 a.m., Friday-009-5:00 p.m.
- Pearson, Zoe, Saturday-043.5-8:00 a.m., Thursday-069-1:10 p.m., Thursday-069-9:55 a.m.
- Pease, Mike, Saturday-043.3-8:00 a.m.
- Pecherska, Tetyana, Thursday-043.1-9:55 a.m.
- Peck, Jamie, Saturday-036-1:10 p.m., Saturday-036-3:05 p.m., Saturday-036-5:00 p.m., Sunday-081-9:55 a.m.
- Pecsok, Kyle, Saturday-048-8:00 a.m.
- Pedrick, Hayley, Friday-034-5:00 p.m.
- Peksen, Mert, Wednesday-007-2:35 p.m.
- Peller, Henry, Saturday-006-5:00 p.m.
- Pellerin, Helene, Friday-099-3:05 p.m.
- Pelot-Hobbs, Lydia, Sunday-028-9:55 a.m.
- Peluso, Sara, Friday-043.3-9:55 a.m., Friday-025-5:00 p.m.
- Pena-Guillen, Victor, Thursday-092-8:00 a.m.
- Pendergrast, Theresa, Sunday-041-2:00 p.m.
- Peng, John, Saturday-091-3:05 p.m.
- Peng, Qian, Saturday-020-9:55 a.m.
- Penn, Hannah, Wednesday-033.5-4:30 p.m.
- Peppler, Randy, Friday-043.3-9:55 a.m., Thursday-024-9:55 a.m.
- Peralta, Hector, Friday-102-3:05 p.m.
- Percel, Ian, Thursday-025-8:00 a.m.
- Pereira, Rafael, Wednesday-066-12:40 p.m.
- Pereira Almeida, Renan, Sunday-040-2:00 p.m.
- Perera, Nihal, Friday-101-1:10 p.m.
- Perez, Ignacio, Friday-023-1:10 p.m.
- Perez, Natalia, Friday-053-8:00 a.m., Wednesday-036-9:55 a.m., Wednesday-036-12:40 p.m.
- Perez, Taylor, Thursday-043.1-8:00 a.m., Sunday-041-3:55 p.m.
- Pérez-Campuzano, Enrique, Friday-089-8:00 a.m.
- Peris, Antoine, Saturday-081-5:00 p.m.
- Perkins, David, Saturday-084-5:00 p.m., Saturday-084-9:55 a.m., Wednesday-073-4:30 p.m.
- Perkins, Harold, Friday-073-3:05 p.m., Wednesday-090-2:35 p.m.
- Perkins, Tracy, Thursday-084-1:10 p.m., Thursday-022-5:00 p.m.
- Perramond, Eric, Thursday-093-1:10 p.m., Wednesday-034-4:30 p.m.
- Perreault, Tom, Friday-065-1:10 p.m., Saturday-041-1:10 p.m.
- Perry, Charles, Thursday-043.3-9:55 a.m.
- Perry, Elizabeth, Friday-080-8:00 a.m.
- Perry, Katherine, Saturday-008-3:05 p.m.
- Person, Angela, Thursday-024-9:55 a.m.
- Perz, Stephen, Thursday-103-1:10 p.m.
- Pesci, Sasha, Friday-073-3:05 p.m.
- Petenbrink, Meghan, Friday-043.1-1:10 p.m.
- Peter, Brad, Saturday-065-5:00 p.m.
- Peter, Carina, Thursday-017-1:10 p.m.
- PETER, Lukas, Friday-038-9:55 a.m.
- Peters, Jonathan, Thursday-033.5-5:00 p.m.
- Petersen, Brian, Saturday-063-1:10 p.m.
- Petersen, Janee, Thursday-094-5:00 p.m.
- Petersen, Naomi Jeffery, Friday-082-1:10 p.m.
- Petersen-Perlman, Jacob, Thursday-022-8:00 a.m., Thursday-022-9:55 a.m., Thursday-022-1:10 p.m., Friday-058-9:55 a.m.
- Petersen-Smith, Khury, Thursday-067-9:55 a.m.
- Peterson, Brian, Friday-080-9:55 a.m.
- Peterson, Sara, Friday-065-5:00 p.m.
- Peterson St-Laurent, Guillaume, Saturday-087-3:05 p.m.
- Peteru, Swetha, Thursday-025-1:10 p.m.
- Petras, Vaclav, Saturday-016-8:00 a.m., Saturday-043.6-8:00 a.m.
- Petrov, Andrey, Friday-043.3-1:10 p.m., Thursday-049-8:00 a.m., Thursday-049-9:55 a.m., Thursday-055-1:10 p.m.
- PETSIMERIS, Petros, Sunday-005-9:55 a.m.
- Pettersen, Christian, Friday-024-1:10 p.m.
- Petteway, Ryan, Thursday-087-8:00 a.m.
- Pettit, Harry, Sunday-084-3:55 p.m., Thursday-099-1:10 p.m., Sunday-084-2:00 p.m.
- Pettitt, Alisa, Friday-043.1-1:10 p.m.
- Pfalzgraf, Foley, Thursday-094-3:05 p.m.
- Pfoser, Dieter, Thursday-065-5:00 p.m., Wednesday-089-4:30 p.m., Thursday-057-9:55 a.m.
- Pham, Kane, Thursday-073-8:00 a.m.
- Pham, Lien, Friday-043.1-1:10 p.m.
- Pham, Steven, Sunday-025-9:55 a.m.
- Phelps, Nicholas, Saturday-064-9:55 a.m.
- Phillips, Adam, Friday-083-3:05 p.m.
- Phillips, Daniel, Saturday-043.1-8:00 a.m.
- Phillips, Lynn, Saturday-043.3-9:55 a.m.
- Phillips, Martin, Friday-090-8:00 a.m., Friday-090-9:55 a.m., Friday-090-1:10 p.m.
- Phillips, Richard, Friday-003-1:10 p.m.
- Philo, Chris, Friday-007-1:10 p.m., Saturday-090-8:00 a.m.
- Philp, Susannah, Thursday-090-1:10 p.m.
- Phipps, Alan, Saturday-020-8:00 a.m.
- Pick, James, Friday-021-9:55 a.m., Sunday-047-9:55 a.m.
- Pickel, Molly, Thursday-083-3:05 p.m.
- Picton, Roger, Thursday-026-8:00 a.m.
- Piedalue, Amy, Wednesday-032-4:30 p.m., Saturday-092-5:00 p.m., Friday-101-8:00 a.m., Friday-101-9:55 a.m., Friday-101-1:10 p.m., Friday-101-3:05 p.m.
- Pierce, Christopher, Friday-043.4-1:10 p.m.
- Pierce, Joseph, Friday-039-5:00 p.m.
- Pietracci, Breno, Friday-032-9:55 a.m.
- Pietromica, Katrina, Saturday-027-3:05 p.m.
- Pike, Andy, Friday-092-1:10 p.m., Wednesday-065-4:30 p.m., Sunday-036-9:55 a.m., Friday-092-3:05 p.m.
- Pilet, Kory, Wednesday-049-9:55 a.m.
- Pilipenko, Igor, Saturday-064-9:55 a.m.
- Pilkington, Dusty, Thursday-043.3-9:55 a.m.
- Pincetl, Stephanie, Thursday-038-8:00 a.m.
- Pinedo-Vasquez, Miguel, Friday-032-1:10 p.m.
- Ping, Wang, Thursday-043.1-8:00 a.m.
- Pingel, Thomas, Saturday-016-8:00 a.m., Sunday-088-2:00 p.m., Thursday-023-9:55 a.m.
- Pintea, Lilian, Saturday-103-5:00 p.m.
- Piovan, Silvia, Wednesday-087-4:30 p.m., Friday-025-5:00 p.m.
- Pita-Duque, Angel, Friday-022-9:55 a.m.
- Pitas, John-Henry, Friday-008-1:10 p.m.
- Pitidis, Evangelos, Saturday-043.3-9:55 a.m.
- Pittman, Nick, Thursday-091-1:10 p.m.
- Plachta, Nadine, Thursday-018-5:00 p.m., Sunday-048-2:00 p.m.
- Plane, David, Friday-004-1:10 p.m.
- Planey, Arrianna Marie, Saturday-018-5:00 p.m., Thursday-060-3:05 p.m.
- Planey, Donald, Friday-005-8:00 a.m.
- Plante Lévesque, Valérie, Friday-033.5-5:00 p.m.
- Plassin, Sophie, Wednesday-058-12:40 p.m.
- Platt, Rutherford H., Friday-002-3:05 p.m.
- Pletnikoff, Paula, Friday-043.1-3:05 p.m.
- Pludow, Amelia, Saturday-020-8:00 a.m.
- Plumb, Kyle, Saturday-055-9:55 a.m.
- Plummer, Matthew, Saturday-043.1-8:00 a.m.
- Pociute-Sereikiene, Gintare, Thursday-018-3:05 p.m.
- Podmore, Julie, Thursday-031-9:55 a.m., Saturday-087-8:00 a.m., Saturday-027-1:10 p.m., Wednesday-003-4:30 p.m.
- Pohl, Lucas, Wednesday-093-8:00 a.m., Wednesday-093-9:55 a.m., Wednesday-093-12:40 p.m.
- Poiret, Guillaume, Saturday-040-1:10 p.m.
- Pokraka, Jana, Thursday-053-8:00 a.m.
- Poland, Donald, Saturday-069-1:10 p.m., Thursday-008-8:00 a.m.
- Polk, Molly, Friday-063-5:00 p.m., Thursday-065-9:55 a.m.
- Pomeroy, George, Thursday-028-8:00 a.m.
- Pomeroy, Jennifer, Thursday-043.7-1:10 p.m., Thursday-019-9:55 a.m., Thursday-020-1:10 p.m., Friday-054-1:10 p.m., Friday-022-3:05 p.m., Thursday-019-3:05 p.m., Friday-020-5:00 p.m., Friday-020-9:55 a.m.,

PARTICIPANT INDEX

Thursday-019-5:00 p.m., Friday-019-8:00 a.m.
 Pompeii, Brian, Thursday-048-8:00 a.m., Thursday-048-9:55 a.m.,
 Thursday-048-1:10 p.m., Thursday-048-3:05 p.m., Friday-048-8:00 a.m.,
 Friday-048-5:00 p.m., Friday-048-9:55 a.m., Friday-048-1:10 p.m., Friday-048-3:05 p.m.,
 Saturday-048-8:00 a.m., Saturday-048-9:55 a.m.
 Ponce-Lopez, Roberto, Friday-041-9:55 a.m.
 Ponder, Caroline, Saturday-098-1:10 p.m., Saturday-098-9:55 a.m.,
 Saturday-098-8:00 a.m.
 Pongen, Osensang, Friday-084-8:00 a.m.
 Pons, Diego, Wednesday-074-9:55 a.m.
 Ponstingel, John, Friday-026-1:10 p.m., Friday-026-3:05 p.m., Thursday-049-5:00 p.m.,
 Friday-026-5:00 p.m.
 Ponte, Stefano, Saturday-033-8:00 a.m., Saturday-033-9:55 a.m., Saturday-033-1:10 p.m.
 Pontius, Robert, Wednesday-054-2:35 p.m.
 Poole, Amanda, Friday-007-9:55 a.m.
 Poom, Age, Saturday-060-8:00 a.m., Wednesday-068-8:00 a.m.
 Poorthuis, Ate, Thursday-090-8:00 a.m., Wednesday-067-4:30 p.m.
 Pope, Cynthia, Thursday-043-2:30:05 p.m.
 Pope, Gregory, Thursday-033-5:8:00 a.m.
 Popke, Jeff, Thursday-082-1:10 p.m.
 Popovici, Ruxandra, Friday-010-9:55 a.m.
 Popovici, Veda, Sunday-006-8:00 a.m.
 Porcelli, Apollonya, Friday-035-9:55 a.m.
 Porinchu, David, Thursday-066-9:55 a.m., Thursday-066-1:10 p.m.,
 Thursday-066-3:05 p.m.
 Porson, Steven, Friday-043-1:3:05 p.m.
 Porter, Jennifer, Friday-095-3:05 p.m.
 Porter, Megan, Thursday-043-1:8:00 a.m.
 Porter-Morgan, Holly, Wednesday-033-5:4:30 p.m.
 Porto, Jim, Thursday-017-9:55 a.m., Saturday-063-1:10 p.m.
 Posner, Sarah, Friday-027-9:55 a.m.
 Post, Jason, Saturday-049-3:05 p.m.
 Postar, Stephanie, Thursday-025-9:55 a.m.
 Potochny, Talia, Friday-043-3:3:05 p.m.
 Potter, Amy, Thursday-033-5:00 p.m., Thursday-031-3:05 p.m.
 Potts, Shaina, Sunday-081-9:55 a.m., Sunday-020-8:00 a.m., Thursday-023-1:10 p.m.
 Poulos, Helen, Thursday-094-9:55 a.m., Thursday-094-1:10 p.m.
 Poupin, Perrine, Friday-094-3:05 p.m.
 Pourebrahim, Nastaran, Thursday-032-9:55 a.m.
 Powell, Bronwen, Friday-101-5:00 p.m.
 Powell, Matthew, Friday-043-3:3:05 p.m.
 Powis, Anthony, Friday-018-3:05 p.m.
 Prado, Carolina, Friday-063-9:55 a.m.
 Prasad, Archana, Friday-050-8:00 a.m.
 Prasad, Shivangi, Friday-048-3:05 p.m.
 PRASAD, SURAJ,
 Prashnani, Meghavi, Saturday-043-6:8:00 a.m.
 Praskievicz, Sarah, Wednesday-049-9:55 a.m., Friday-058-8:00 a.m.
 Pratama, Isnu, Saturday-064-8:00 a.m.
 Pratt, Geraldine, Wednesday-088-9:55 a.m., Saturday-008-5:00 p.m.,
 Thursday-095-3:05 p.m., Friday-002-8:00 a.m.
 PRESTBY, TIMOTHY, Friday-041-3:05 p.m., Wednesday-033-5-2:35 p.m.
 Preston, Valerie, Saturday-056-9:55 a.m.
 Pretes, Michael, Friday-093-1:10 p.m., Thursday-043-1-1:10 p.m.
 Price, Ashleigh, Thursday-043-3-9:55 a.m.
 Price, Marie, Friday-038-1:10 p.m., Friday-090-3:05 p.m.
 Price, Patricia, Thursday-065-3:05 p.m.
 Price, William, Saturday-009-8:00 a.m., Saturday-009-9:55 a.m.
 Pricope, Narcisa, Thursday-067-3:05 p.m., Friday-067-9:55 a.m., Saturday-073-1:10 p.m.,
 Friday-033-5-3:05 p.m., Saturday-101-5:00 p.m., Wednesday-033-5-4:30 p.m.,
 Thursday-043-4-9:55 a.m.
 Pries, Johan, Wednesday-031-8:00 a.m.
 Prieto, Eric, Wednesday-087-9:55 a.m.
 Prieto, Manuel, Thursday-098-1:10 p.m.
 Prince, Russell, Friday-064-8:00 a.m.
 Profir, Aileen, Saturday-074-3:05 p.m.
 Prokof'yeva, Polina, Friday-043-2-9:55 a.m.
 Proudfoot, Jesse, Sunday-090-3:55 p.m.
 Proulx, Guillaume, Wednesday-057-2:35 p.m.

Prouse, Carolyn, Thursday-093-3:05 p.m., Friday-038-8:00 a.m.
 Provitolo, Damienne, Friday-048-1:10 p.m., Friday-058-5:00 p.m.
 Prudham, Scott, Friday-053-8:00 a.m.
 Prytherch, David, Saturday-018-9:55 a.m., Friday-095-3:05 p.m., Friday-056-1:10 p.m.
 Przybylinski, Stephen, Saturday-100-8:00 a.m., Saturday-100-9:55 a.m.,
 Saturday-100-1:10 p.m.
 Psuty, Norbert, Saturday-072-1:10 p.m.
 Ptak, Thomas, Friday-006-9:55 a.m.
 Pu, Qiang, Saturday-031-8:00 a.m.
 Puar, Jasbir, Wednesday-038-4:30 p.m.
 Puhalla, Janet, Thursday-016-3:05 p.m., Friday-027-8:00 a.m.
 Pulido, Laura, Thursday-007-8:00 a.m., Thursday-007-9:55 a.m., Saturday-026-9:55 a.m.,
 Friday-036-5:00 p.m.
 Pulsipher, Alex, Friday-070-5:00 p.m.
 Pulsipher, Lydia, Friday-070-5:00 p.m., Thursday-052-9:55 a.m.
 Punstein, Anna Mateja, Friday-092-1:10 p.m.
 Purcell, Darren, Saturday-037-8:00 a.m., Saturday-037-1:10 p.m.,
 Saturday-037-9:55 a.m.
 Purcell, Thomas, Friday-012-8:00 a.m., Friday-012-9:55 a.m.
 Purdum, Leanne, Friday-082-8:00 a.m.
 Purifoy, Danielle, Thursday-037-8:00 a.m., Saturday-041-3:05 p.m.,
 Thursday-037-5:00 p.m.
 Purifoye, Gwendolyn, Friday-060-5:00 p.m.
 Pusch, Charlotte, Friday-028-3:05 p.m.
 Pustelnyk, Alexander, Saturday-100-8:00 a.m.
 Puteri, Mayang, Thursday-073-9:55 a.m.
 Pyke, Charlotte, Saturday-063-5:00 p.m.
 Pyron, Jaimee, Thursday-043-3-3:05 p.m.
 Pykönen, Mikko, Friday-055-9:55 a.m., Friday-055-3:05 p.m., Thursday-060-9:55 a.m.

Q

QADIR, ABDUL, Thursday-043-4-9:55 a.m.
 Qi, Man, Thursday-092-8:00 a.m.
 Qi, Zhixin, Friday-060-5:00 p.m., Friday-028-1:10 p.m.
 Qian, Haifeng, Friday-006-5:00 p.m.
 Qiang, Yi, Wednesday-001-12:40 p.m., Thursday-097-3:05 p.m., Friday-033-1:10 p.m.
 Qin, Cheng-Zhi, Friday-033-3:05 p.m., Thursday-097-9:55 a.m.,
 Wednesday-058-9:55 a.m.
 Qin, Jing, Saturday-043-7-8:00 a.m.
 Qin, Kun, Wednesday-058-2:35 p.m.
 Qin, Mengjiao, Saturday-020-9:55 a.m.
 Qin, Xionghe, Saturday-028-8:00 a.m.
 Qin, Zhangcai, Wednesday-058-12:40 p.m.
 QIN, Mingzhou, Wednesday-058-8:00 a.m.
 Qiu, Shi, Saturday-048-5:00 p.m.
 Qiu, Xiaomin, Thursday-043-2-3:05 p.m.
 Qu, Shijin, Friday-033-8:00 a.m.
 QU, MENG, Sunday-068-3:55 p.m.
 Quacoe, Julia, Thursday-022-8:00 a.m.
 Quam, Curtis, Thursday-032-5:00 p.m.
 Quan, Bin, Wednesday-054-2:35 p.m.
 Queiros, Margarida, Wednesday-086-4:30 p.m.
 Quetawki, Mallery, Thursday-032-5:00 p.m.
 Quick, Matthew, Wednesday-055-2:35 p.m.
 Quinn, A.C., Sunday-090-9:55 a.m.
 Quinn, Eric, Thursday-072-1:10 p.m.
 Quintal-Marineau, Magalie, Wednesday-092-8:00 a.m.
 Quinton, Jessica, Wednesday-090-4:30 p.m.
 Quiquix, Linda, Friday-088-3:05 p.m., Friday-017-1:10 p.m.
 Quiring, Steven, Friday-061-9:55 a.m., Thursday-043-1-8:00 a.m.
 Quiring, Tyler, Sunday-050-2:00 p.m.
 Quirk, Morgan, Friday-003-1:10 p.m.
 Quodomine, Richard, Friday-069-1:10 p.m., Wednesday-069-9:55 a.m.,
 Thursday-069-9:55 a.m., Friday-069-9:55 a.m., Saturday-069-9:55 a.m.

PARTICIPANT INDEX

R

- Rabby, Yasin Wahid, Friday-036-8:00 a.m.
 Rabourn, Karyn, Thursday-083-9:55 a.m.
 Raddatz, Liv, Friday-023-5:00 p.m.
 Radel, Claudia, Wednesday-036-9:55 a.m., Friday-084-8:00 a.m., Friday-066-3:05 p.m.
 Radencic Lalk, Sarah, Saturday-064-5:00 p.m.
 Rader, Alana, Friday-043.2-3:05 p.m.
 Radil, Steven, Friday-092-9:55 a.m., Wednesday-083-4:30 p.m.
 Rahman, Md, Friday-062-1:10 p.m.
 Rahman, Mir Mustafizur, Friday-054-5:00 p.m., Wednesday-073-9:55 a.m., Sunday-088-2:00 p.m., Friday-062-1:10 p.m., Saturday-087-1:10 p.m.
 Rahman, Mizanur, Thursday-043.1-8:00 a.m.
 RAHMAN, Md ASIF, Saturday-033.5-9:55 a.m.
 RAHMAN, MD ISHFAQ UR, Wednesday-049-2:35 p.m.
 RAHMAN, MUNSHI, Thursday-088-8:00 a.m., Thursday-065-9:55 a.m.
 Rahn, Jennifer, Friday-004-5:00 p.m.
 Rai, Nitin, Friday-010-1:10 p.m.
 Rai, Pronoy, Saturday-094-8:00 a.m., Friday-083-8:00 a.m., Thursday-027-8:00 a.m.
 Rainer, Gerhard, Friday-026-8:00 a.m.
 Rains, Bradley, Wednesday-072-2:35 p.m.
 Rainwater, Katie, Sunday-058-2:00 p.m.
 Raleigh, Clionadh, Friday-092-9:55 a.m.
 Rama, Xhafer, Friday-062-9:55 a.m.
 Ramekar, Avantika, Friday-022-9:55 a.m.
 Ramer, Hannah, Friday-073-3:05 p.m.
 Ramirez, Jorge, Thursday-043.2-3:05 p.m.
 Ramirez, Margaret, Thursday-037-3:05 p.m., Friday-086-8:00 a.m., Friday-098-1:10 p.m.
 Ramirez Saenz, Fernanda, Thursday-065-9:55 a.m.
 Ramirez Senz, Maria Sol, Thursday-065-8:00 a.m.
 Ramos, Rafael, Sunday-069-9:55 a.m.
 Ramos-Scharron, Carlos, Wednesday-072-2:35 p.m.
 Rampini, Costanza, Thursday-038-8:00 a.m.
 Ramprasad, Vijay, Thursday-086-3:05 p.m., Thursday-086-5:00 p.m.
 Ramsamy, Edward, Sunday-054-3:55 p.m.
 Ramsamy, Kavitha, Saturday-080-1:10 p.m.
 Ramsay, Georgina, Saturday-084-1:10 p.m., Sunday-084-2:00 p.m.
 Ramseyer, Craig, Thursday-043.1-8:00 a.m.
 Rampott, Matthew, Thursday-067-3:05 p.m.
 Ramutsindela, Maano, Friday-005-5:00 p.m., Saturday-082-9:55 a.m.
 RAN, PENGLAI, Wednesday-033.5-4:30 p.m.
 Ranaware, Krushna, Friday-083-8:00 a.m.
 Randall, Joshua, Friday-064-1:10 p.m.
 Randell, Heather, Friday-032-5:00 p.m.
 Ranganathan, Malini, Thursday-037-8:00 a.m., Saturday-095-8:00 a.m., Friday-038-3:05 p.m., Friday-020-8:00 a.m., Thursday-037-9:55 a.m., Thursday-037-1:10 p.m., Thursday-037-3:05 p.m., Sunday-052-8:00 a.m., Saturday-098-1:10 p.m.
 Ranjbar, A. Marie, Friday-099-9:55 a.m., Saturday-039-3:05 p.m., Saturday-039-5:00 p.m., Friday-101-3:05 p.m., Sunday-023-9:55 a.m.
 Rankin, Katharine, Thursday-018-8:00 a.m., Thursday-018-5:00 p.m., Thursday-010-3:05 p.m., Thursday-018-9:55 a.m., Saturday-010-3:05 p.m.
 Rantisi, Norma, Saturday-006-3:05 p.m.
 Rao, Fuijie, Sunday-053-9:55 a.m.
 Rao, Preeti, Friday-033-3:05 p.m.
 Rao, SHENG, Thursday-043.1-1:10 p.m., Thursday-033.5-9:55 a.m.
 Raonka, Pallavi, Saturday-080-1:10 p.m.
 Rasidjan, Maryani, Friday-103-3:05 p.m.
 Rasmussen, Claire, Saturday-040-3:05 p.m.
 Ratcliffe, Michael, Saturday-047-8:00 a.m., Sunday-020-2:00 p.m., Thursday-080-9:55 a.m.
 Ratnam, Rahul, Sunday-052-3:55 p.m.
 Ratz, Tamara, Saturday-101-8:00 a.m.
 Raun, Janika, Saturday-090-5:00 p.m.
 Raven, Rob, Saturday-038-9:55 a.m., Friday-023-8:00 a.m.
 Ravensbergen, Léa, Sunday-024-2:00 p.m., Sunday-024-3:55 p.m.
 Ravuri, Evelyn, Sunday-041-3:55 p.m.
 Rawitsch, Ezra, Friday-043.2-9:55 a.m.
 Rawson, Ariel, Thursday-098-9:55 a.m.
 Razin, Eran, Thursday-073-8:00 a.m., Thursday-073-9:55 a.m., Thursday-073-1:10 p.m., Thursday-073-3:05 p.m.
 Razniak, Piotr, Friday-043.1-9:55 a.m., Saturday-043.3-9:55 a.m.
 Read, Jane, Friday-067-8:00 a.m., Saturday-068-1:10 p.m.
 Read, Mark, Saturday-019-1:10 p.m.
 Reagan, Rhonda, Saturday-043.3-9:55 a.m.
 Reames, Keiara, Thursday-043.2-3:05 p.m.
 Reck, Elaina, Thursday-043.1-8:00 a.m.
 Redden, Ty, Saturday-082-8:00 a.m.
 Reddy, Rajyashree, Friday-101-9:55 a.m., Friday-101-1:10 p.m., Sunday-089-3:55 p.m.
 Reddy, Sumanth, Thursday-031-1:10 p.m.
 Redmond, Josh, Sunday-047-8:00 a.m.
 Reed, Connor, Thursday-074-8:00 a.m.
 Reed, Fennis, Wednesday-054-12:40 p.m.
 Reed, Kaitlin, Wednesday-033-4:30 p.m.
 Reese, Ashante, Wednesday-035-4:30 p.m., Friday-017-9:55 a.m., Sunday-019-2:00 p.m., Thursday-082-1:10 p.m.
 Rehman, Nida, Friday-020-8:00 a.m., Saturday-102-3:05 p.m., Friday-018-3:05 p.m., Friday-018-5:00 p.m.
 Reid, Colleen, Thursday-048-3:05 p.m., Thursday-060-9:55 a.m., Sunday-060-2:00 p.m., Saturday-043.3-9:55 a.m.
 Reid, Eloise, Friday-063-9:55 a.m.
 Reid, Genevieve, Thursday-097-8:00 a.m.
 Reid, Robin, Friday-072-9:55 a.m., Friday-072-1:10 p.m., Friday-072-3:05 p.m.
 Reid-Musson, Emily, Wednesday-041-2:35 p.m., Thursday-087-9:55 a.m., Wednesday-041-4:30 p.m., Thursday-041-9:55 a.m., Friday-100-5:00 p.m.
 REIMOLD, ALEXANDRIA (ALLIE), Thursday-043.2-3:05 p.m.
 Reinau, Kristian, Thursday-021-3:05 p.m.
 Reisman, Emily, Saturday-067-9:55 a.m.
 Reisser, Wesley, Thursday-099-3:05 p.m.
 Rekecewicz, Philippe, Saturday-099-1:10 p.m.
 Reményi, Péter, Thursday-033-3:05 p.m.
 Remo, Jonathan, Saturday-062-9:55 a.m.
 Ren, Jianyu, Wednesday-089-9:55 a.m.
 Ren, Mei, Saturday-043.3-9:55 a.m.
 REN, FU, Saturday-024-3:05 p.m.
 Renard, Beverly, Friday-057-9:55 a.m.
 Rennermalm, Asa, Saturday-057-9:55 a.m.
 Renschler, Chris, Saturday-060-1:10 p.m., Thursday-083-8:00 a.m., Friday-087-3:05 p.m., Friday-087-5:00 p.m.
 Rense, William, Thursday-052-9:55 a.m.
 Repasky, William, Saturday-043.4-8:00 a.m.
 Repo, Teppo, Sunday-056-2:00 p.m.
 Resler, Lynn, Friday-043.5-8:00 a.m., Friday-087-1:10 p.m., Friday-043.1-1:10 p.m., Friday-043.4-8:00 a.m.
 Retchless, David, Thursday-072-3:05 p.m.
 Reuber, Paul, Sunday-081-3:55 p.m.
 Reuschlein, Robert, Sunday-054-3:55 p.m.
 Reuss, Martin, Friday-002-3:05 p.m.
 Revell, Mark, Saturday-069-1:10 p.m., Friday-069-1:10 p.m., Wednesday-069-12:40 p.m., Wednesday-069-4:30 p.m., Thursday-069-1:10 p.m., Saturday-068-3:05 p.m., Thursday-070-9:55 a.m., Wednesday-069-9:55 a.m., Thursday-069-9:55 a.m., Friday-069-9:55 a.m., Saturday-069-9:55 a.m., Thursday-069-3:05 p.m., Friday-069-3:05 p.m., Saturday-069-3:05 p.m., Thursday-070-1:10 p.m.
 Revels, Craig, Thursday-043.6-1:10 p.m.
 Rey, Camilo, Thursday-074-3:05 p.m.
 Rey, Sergio, Thursday-090-8:00 a.m., Thursday-090-9:55 a.m., Thursday-087-5:00 p.m.
 Reyes, Sophia, Thursday-043.2-3:05 p.m.
 Reynolds, Kristin, Wednesday-035-4:30 p.m., Friday-017-9:55 a.m., Thursday-101-8:00 a.m., Thursday-101-3:05 p.m., Thursday-101-1:10 p.m., Thursday-101-5:00 p.m.
 Reynolds, Ryan, Friday-048-1:10 p.m.
 Rezaei, Mina, Friday-091-5:00 p.m.
 Rhatigan, James, Thursday-025-8:00 a.m., Thursday-025-9:55 a.m.
 Rhiney, Kevon, Friday-031-3:05 p.m., Friday-031-1:10 p.m., Friday-036-5:00 p.m.
 Rhodes, Mark, Saturday-009-8:00 a.m., Saturday-009-9:55 a.m.
 Rhodes, Stanley, Sunday-001-9:55 a.m.
 Rhyu, Kyunghee, Friday-057-8:00 a.m.

PARTICIPANT INDEX

- Ribera-Fumaz, Ramon, Thursday-051-5:00 p.m.
 Ribot, Jesse, Saturday-095-8:00 a.m., Friday-082-5:00 p.m.
 Rice, Jennifer, Wednesday-084-12:40 p.m., Wednesday-084-2:35 p.m., Wednesday-084-4:30 p.m.
 Rice, Murray, Thursday-074-9:55 a.m.
 Rice, Stian, Sunday-020-3:55 p.m.
 Richards, Andrew, Thursday-043.2-3:05 p.m.
 Richardson, Douglas, Thursday-081-5:00 p.m., Thursday-053-1:10 p.m., Thursday-053-3:05 p.m., Saturday-053-3:05 p.m., Friday-002-11:45 a.m., Saturday-002-1:10 p.m., Thursday-002-11:45 a.m., Friday-005-3:05 p.m., Wednesday-002-6:20 p.m.
 Richardson, Kathrine, Friday-020-1:10 p.m.
 Richardson, Paul, Friday-103-1:10 p.m.
 Richardson, Tina, Wednesday-093-12:40 p.m.
 Richardson, William, Friday-086-8:00 a.m.
 Richardson Jr, Steven, Thursday-033.5-9:55 a.m.
 Richmond, Chantelle, Friday-102-8:00 a.m., Wednesday-073-12:40 p.m., Wednesday-036-4:30 p.m., Friday-102-9:55 a.m., Wednesday-033-2:35 p.m.
 Ricker, Britta, Wednesday-069-12:40 p.m., Thursday-083-8:00 a.m., Saturday-100-5:00 p.m., Saturday-089-9:55 a.m.
 Rickey, Brittany, Friday-043.1-1:10 p.m.
 Rickless, David, Friday-087-1:10 p.m.
 Rickly, Jillian, Sunday-027-9:55 a.m., Sunday-086-2:00 p.m., Wednesday-007-4:30 p.m., Sunday-086-3:55 p.m., Saturday-005-3:05 p.m., Saturday-005-5:00 p.m., Friday-064-3:05 p.m.
 Riddle, Marnie, Friday-054-8:00 a.m.
 Rider, Shelby, Thursday-043.2-1:10 p.m.
 Ridgeway, Jason, Thursday-008-9:55 a.m.
 Riely, Andrew, Saturday-080-9:55 a.m.
 Rienzo, Angela, Thursday-043.1-8:00 a.m.
 Rieser, Alison, Sunday-058-2:00 p.m.
 Rigby, David, Wednesday-081-9:55 a.m., Wednesday-081-4:30 p.m., Thursday-081-8:00 a.m.
 Rigby, Jan, Friday-053-9:55 a.m.
 Rigg, Lesley, Thursday-065-3:05 p.m., Thursday-092-9:55 a.m.
 Riggan, Jennifer, Friday-007-9:55 a.m.
 Rigot, Kate, Thursday-028-8:00 a.m.
 Rigsby, Dylan, Friday-043.3-1:10 p.m.
 Rijke, Alexandra, Wednesday-007-2:35 p.m., Wednesday-007-4:30 p.m.
 Rinaldi, Brittany, Friday-043.1-3:05 p.m.
 Ringling, Alexandra, Thursday-043.4-1:10 p.m.
 Riosmena, Fernando, Friday-089-5:00 p.m., Thursday-088-9:55 a.m., Friday-089-3:05 p.m.
 Risager, Bjarke, Sunday-006-8:00 a.m.
 Rishi, Susmita, Friday-018-5:00 p.m., Friday-101-8:00 a.m., Friday-101-9:55 a.m., Friday-101-1:10 p.m., Friday-101-3:05 p.m.
 Rishworth, Andrea, Saturday-074-8:00 a.m., Saturday-082-3:05 p.m.
 Ristea, Alina, Sunday-069-8:00 a.m., Sunday-069-9:55 a.m., Sunday-069-2:00 p.m.
 Ritchie, Michelle, Saturday-061-3:05 p.m., Thursday-069-8:00 a.m., Friday-068-3:05 p.m.
 Rittelmeyer, Pam, Thursday-004-1:10 p.m.
 Ritterbusch, Amy, Saturday-012-8:00 a.m., Saturday-012-9:55 a.m., Friday-088-8:00 a.m.
 Ritts, Max, Saturday-093-9:55 a.m., Saturday-001-3:05 p.m.
 Ritz, Emily, Friday-043.1-1:10 p.m.
 Rivera, Danielle, Friday-101-9:55 a.m., Friday-101-3:05 p.m.
 Rivera, Isaac, Friday-088-9:55 a.m., Thursday-080-1:10 p.m.
 Rives, Robin, Saturday-043.3-8:00 a.m.
 Robb, Douglas, Saturday-093-9:55 a.m.
 Robbins, Carly, Thursday-043.1-9:55 a.m.
 Robbins, Paul, Sunday-048-8:00 a.m., Friday-034-9:55 a.m., Sunday-048-9:55 a.m., Thursday-086-3:05 p.m., Thursday-086-5:00 p.m., Wednesday-093-9:55 a.m.
 Roberge, Martin, Friday-033.5-5:00 p.m.
 Roberts, David, Saturday-023-8:00 a.m.
 Roberts, Mark, Thursday-043.2-3:05 p.m.
 Roberts, Nina, Wednesday-050-4:30 p.m.
 Robertson, David, Wednesday-056-9:55 a.m., Saturday-025-3:05 p.m.
 Robertson, Hamish, Saturday-068-3:05 p.m.
 Roberts-Pierel, Ben, Saturday-073-8:00 a.m.
 Robins, Daniel, Wednesday-084-9:55 a.m.
 Robinson, Anthony, Wednesday-032-2:35 p.m.
 Robinson, Caitlin, Friday-064-1:10 p.m.
 Robinson, David, Saturday-057-1:10 p.m., Thursday-043.1-8:00 a.m.
 Robinson, Jennifer, Friday-063-3:05 p.m., Saturday-047-3:05 p.m., Saturday-047-5:00 p.m., Friday-084-1:10 p.m., Saturday-047-1:10 p.m.
 Robinson, Jonnell, Friday-063-8:00 a.m., Sunday-004-8:00 a.m., Friday-063-9:55 a.m.
 Robinson, Pamela, Friday-023-9:55 a.m., Saturday-023-9:55 a.m., Friday-023-8:00 a.m., Friday-023-1:10 p.m.
 Rocha, Angelica, Saturday-101-8:00 a.m.
 Rochelo, Mark, Thursday-033.5-3:05 p.m.
 Rochner, Maegen, Friday-043.1-3:05 p.m., Saturday-052-3:05 p.m., Saturday-052-5:00 p.m.
 Rock, Madeline, Thursday-043.2-1:10 p.m.
 Rodnyansky, Seva, Wednesday-066-2:35 p.m.
 Rodriguez, Akira, Saturday-035-8:00 a.m., Friday-098-3:05 p.m., Saturday-098-1:10 p.m.
 Rodriguez, Jonathan, Wednesday-003-12:40 p.m.
 Rodriguez, Nelson, Friday-062-8:00 a.m.
 Rodriguez Amaya, Laura, Thursday-083-5:00 p.m.
 Rodriguez De Francisco, Jean, Saturday-063-3:05 p.m.
 Rodriguez Fernandez, Gisela, Wednesday-087-8:00 a.m.
 Rodriguez Gonzalez, Mayra, Wednesday-090-4:30 p.m.
 Rodriguez Rocha, Vivian, Sunday-036-3:55 p.m., Friday-101-9:55 a.m.
 Rodriguez Solorzano, Claudia, Thursday-086-3:05 p.m., Thursday-086-5:00 p.m.
 Rodriguez Tomeo, Cesar, Thursday-092-5:00 p.m.
 Rodriguez-Pose, Andres, Friday-100-9:55 a.m., Wednesday-081-9:55 a.m., Wednesday-081-2:35 p.m.
 Roe, Sarah, Thursday-033-1:10 p.m.
 Roehl, Wesley, Friday-062-3:05 p.m.
 Roelofsen, Maartje, Thursday-102-5:00 p.m.
 Roemer, Kelli, Friday-043.3-1:10 p.m.
 Rogalsky, Jennifer, Friday-006-1:10 p.m.
 Rogé, Paul, Wednesday-035-8:00 a.m.
 Rogelj, Bostjan, Saturday-007-1:10 p.m.
 Rogers, Chad, Thursday-043.3-9:55 a.m.
 Rogers, Stephanie, Friday-067-9:55 a.m.
 Rogerson, Christian, Friday-026-9:55 a.m.
 Rogerson, Jayne, Friday-028-8:00 a.m.
 Rogerson, Peter, Thursday-065-1:10 p.m., Wednesday-089-2:35 p.m.
 Rogov, Mikhail, Saturday-081-5:00 p.m.
 Roh, Bokjin, Thursday-063-9:55 a.m.
 Rohat, Guillaume, Saturday-054-8:00 a.m.
 Rohli, Robert, Friday-036-8:00 a.m., Friday-052-8:00 a.m., Thursday-062-3:05 p.m., Friday-067-1:10 p.m.
 Rohracher, Harald, Friday-023-9:55 a.m.
 Rojas Marchini, Fernanda, Wednesday-036-9:55 a.m., Wednesday-036-12:40 p.m.
 Rolf, Steven, Saturday-064-8:00 a.m.
 Roman, Lara, Wednesday-090-8:00 a.m., Wednesday-090-12:40 p.m., Wednesday-090-2:35 p.m.
 Roman, Rosibel, Saturday-019-9:55 a.m.
 Román, Miguel, Friday-058-3:05 p.m.
 Roman Rivera, Mayra, Saturday-072-9:55 a.m., Saturday-072-1:10 p.m., Saturday-072-8:00 a.m., Saturday-072-3:05 p.m.
 Roman-Alcalá, Antonio, Wednesday-035-4:30 p.m., Wednesday-035-2:35 p.m.
 Romano, Antonello, Wednesday-065-12:40 p.m.
 Romanoff, Nichole, Friday-043.1-3:05 p.m.
 Romer, Richard, Saturday-043.3-9:55 a.m.
 Romero, Moory, Thursday-033.5-9:55 a.m.
 Romero, Simon, Thursday-038-5:00 p.m.
 Romu, Saara, Thursday-053-1:10 p.m.
 Root, Elisabeth, Wednesday-067-9:55 a.m., Wednesday-056-2:35 p.m.
 Rosa, Elisabetta, Wednesday-086-2:35 p.m., Friday-016-8:00 a.m.
 Rosa, Thiago, Wednesday-033.5-4:30 p.m.
 Rosales, Arthur, Saturday-056-1:10 p.m.
 Rosales-Ortega, Rocio, Friday-062-8:00 a.m.
 Rosan, Christina, Friday-050-8:00 a.m., Sunday-037-3:55 p.m., Friday-056-1:10 p.m.
 Rosati, Clayton, Saturday-006-8:00 a.m., Saturday-006-9:55 a.m.
 Roscoe, Sally, Friday-043.4-3:05 p.m.
 Rose, Brandon, Thursday-043.4-9:55 a.m.

PARTICIPANT INDEX

- Rose, Gillian, Friday-084-3:05 p.m., Thursday-034-8:00 a.m., Thursday-034-9:55 a.m., Thursday-034-1:10 p.m., Thursday-034-3:05 p.m.
 Rose, Jackson, Friday-043.3-1:10 p.m.
 Rose, Jeff, Thursday-061-1:10 p.m.
 Rose, Leanna, Thursday-043.1-8:00 a.m.
 Rose, Miranda, Saturday-048-1:10 p.m.
 Rose, Mitch, Thursday-004-9:55 a.m., Friday-007-1:10 p.m., Saturday-090-8:00 a.m.
 Rose, Natalie, Thursday-090-1:10 p.m.
 Roselius, Katherine, Saturday-043.7-8:00 a.m.
 Rosen, Jovanna, Saturday-036-8:00 a.m.
 Rosenberg, Mark, Thursday-043.2-3:05 p.m., Saturday-055-9:55 a.m., Saturday-055-3:05 p.m., Saturday-055-5:00 p.m., Saturday-055-1:10 p.m.
 Rosenberg, Rae, Wednesday-083-9:55 a.m., Saturday-068-3:05 p.m., Saturday-065-1:10 p.m., Saturday-002-8:00 a.m., Friday-074-9:55 a.m.
 Rosenblum, Hannah, Friday-043.2-8:00 a.m.
 Rosenfeld, Christine, Saturday-091-5:00 p.m.
 Rosenfeld, Heather, Thursday-098-9:55 a.m., Wednesday-086-4:30 p.m., Saturday-016-3:05 p.m., Sunday-040-9:55 a.m.
 Rosenshaft, Marcelo, Friday-043.1-8:00 a.m.
 Rosenthal, Amy, Thursday-028-9:55 a.m., Friday-032-8:00 a.m.
 Rosenwinkel, John, Thursday-043.2-1:10 p.m.
 Rose-Redwood, Reuben, Thursday-033-1:10 p.m., Thursday-033-9:55 a.m., Thursday-033-3:05 p.m., Saturday-035-9:55 a.m., Thursday-033-5:00 p.m.
 Rosko, Helen, Thursday-088-3:05 p.m., Thursday-088-5:00 p.m.
 Ross, Alexander, Sunday-070-8:00 a.m.
 Ross, Kristin, Thursday-095-5:00 p.m.
 Ross, Robert, Friday-016-9:55 a.m.
 Ross, Samuel, Thursday-043.3-9:55 a.m.
 Ross, Timothy, Saturday-097-5:00 p.m.
 Rossetto, Piera, Saturday-102-8:00 a.m., Saturday-102-9:55 a.m.
 Rossiter, Kalyn, Friday-004-1:10 p.m.
 Rosy, Sabiha, Wednesday-050-2:35 p.m.
 Rotenstein, David, Friday-098-3:05 p.m., Saturday-012-5:00 p.m.
 Roth, Jeffery, Thursday-027-3:05 p.m.
 Roth, Robert, Thursday-034-8:00 a.m., Wednesday-032-9:55 a.m.
 Rother, Monica, Friday-043.1-3:05 p.m., Saturday-052-3:05 p.m.
 Rotz, Sarah, Friday-102-8:00 a.m.
 Roueche, Nathan, Friday-043.1-3:05 p.m.
 Rouhani, Farhang, Wednesday-003-4:30 p.m.
 Rouleau, Daryl, Thursday-043.3-1:10 p.m.
 Rousseau, Jean-François, Saturday-016-5:00 p.m.
 Rousseau, Max, Thursday-063-3:05 p.m.
 Routray, Sanjeev, Friday-003-9:55 a.m.
 Rovaid Uddin, Muhammad, Wednesday-058-8:00 a.m.
 Rowley, Nathan, Saturday-040-5:00 p.m.
 Rowley, Rex, Friday-034-3:05 p.m., Friday-034-1:10 p.m.
 Roxas, Efraim, Thursday-043.1-8:00 a.m.
 Roy, Avipsa, Friday-043.1-8:00 a.m.
 Roy Chowdhury, Pranab, Wednesday-054-12:40 p.m.
 Roy Chowdhury, Rinku, Wednesday-074-12:40 p.m., Wednesday-074-2:35 p.m., Friday-066-1:10 p.m., Friday-066-3:05 p.m., Friday-066-5:00 p.m., Friday-066-9:55 a.m., Saturday-054-5:00 p.m., Thursday-043.3-9:55 a.m.
 Royall, Dan, Friday-043.4-8:00 a.m.
 Royals, Erin, Thursday-020-8:00 a.m.
 Rozenblat, Celine, Saturday-081-9:55 a.m., Saturday-081-1:10 p.m., Saturday-081-3:05 p.m., Saturday-081-5:00 p.m.
 Ru, Yating, Thursday-033.5-3:05 p.m.
 Rubaii, Kali, Friday-017-3:05 p.m.
 Rubin, Benjamin, Saturday-026-9:55 a.m., Saturday-026-8:00 a.m., Sunday-020-8:00 a.m.
 Rubin, Claire, Friday-002-3:05 p.m.
 Rubin, Ziv, Wednesday-081-2:35 p.m.
 Rubio, Javier, Saturday-062-8:00 a.m.
 Ruddell, Darren, Thursday-009-8:00 a.m.
 Ruddock, Ryne, Friday-043.1-3:05 p.m.
 Rudnik, Katya, Friday-006-1:10 p.m.
 Rueda, Ximena, Friday-066-8:00 a.m.
 Ruelle, Morgan, Friday-027-3:05 p.m.
 Ruez, Derek, Saturday-088-9:55 a.m., Thursday-031-9:55 a.m., Friday-017-8:00 a.m., Friday-074-9:55 a.m.
 Rufat, Samuel, Friday-048-1:10 p.m.
 Ruggeri, Charlotte, Wednesday-066-4:30 p.m.
 Rugkhanan, Napong Tao, Saturday-012-8:00 a.m.
 Ruiz, Jorge, Wednesday-056-8:00 a.m.
 Ruiz, Matthew, Friday-004-1:10 p.m.
 Ruiz, Yeannet, Saturday-043.3-9:55 a.m.
 Ruizpalacios, Beatriz, Sunday-091-8:00 a.m., Sunday-041-2:00 p.m.
 Runck, Bryan, Thursday-043.3-9:55 a.m.
 Runfol, Daniel, Thursday-097-5:00 p.m.
 Runkel, Simon, Friday-094-1:10 p.m.
 Running, Garry, Friday-043.4-8:00 a.m., Saturday-065-3:05 p.m.
 Rupperecht, Christoph, Friday-095-9:55 a.m., Saturday-082-1:10 p.m.
 Rush-Cooper, Nick, Thursday-100-8:00 a.m., Thursday-100-9:55 a.m., Saturday-009-8:00 a.m.
 Russell, David, Wednesday-083-4:30 p.m.
 Russell, Joe, Friday-033.5-1:10 p.m.
 Russo, Richard, Friday-098-8:00 a.m.
 Rutherford, Stephanie, Thursday-098-8:00 a.m., Sunday-080-8:00 a.m., Thursday-098-9:55 a.m.
 Rutherford, Tod, Friday-099-1:10 p.m.
 Rutland, Ted, Thursday-037-8:00 a.m., Sunday-019-9:55 a.m.
 Rutstein, Amber, Friday-043.3-9:55 a.m., Saturday-072-9:55 a.m.
 Rutten, Roel, Saturday-050-8:00 a.m., Saturday-050-9:55 a.m.
 Ruwanpura, Kanchana, Thursday-009-1:10 p.m.
 Ruzycki, Thomas, Friday-043.1-3:05 p.m.
 Ryan, Linnea, Thursday-033-5:00 p.m.
 Ryan, Sadie, Friday-043.2-3:05 p.m., Friday-055-9:55 a.m., Thursday-056-9:55 a.m.
 Rybarczyk, Greg, Wednesday-091-12:40 p.m.
 Ryburn, Megan, Saturday-007-5:00 p.m.
 Ryu, Jewon, Friday-043.1-9:55 a.m.
 Ryu, Junghyung, Friday-043.1-3:05 p.m., Wednesday-072-2:35 p.m., Wednesday-058-9:55 a.m.
 Ryu, Yeon-Taek, Friday-019-8:00 a.m.
 Ryzhova, Natalia, Sunday-066-9:55 a.m.
- ## S
- Sa, Haoxuan, Friday-039-3:05 p.m.
 Saari, Arto, Sunday-093-9:55 a.m.
 Saarinen, Jarkko, Thursday-102-3:05 p.m., Saturday-005-8:00 a.m., Thursday-006-9:55 a.m., Saturday-084-5:00 p.m., Saturday-005-9:55 a.m., Thursday-102-5:00 p.m.
 Sabo, Alexandra, Friday-032-9:55 a.m.
 Saboui, Karine, Friday-016-3:05 p.m.
 Sack, Dorothy, Saturday-009-3:05 p.m., Saturday-025-1:10 p.m.
 Sadler, Richard, Saturday-057-3:05 p.m.
 Sadowski, Jathan, Thursday-080-1:10 p.m.
 Saenz Montoya, Alexis, Saturday-040-5:00 p.m., Saturday-016-1:10 p.m.
 Saff, Grant, Friday-006-3:05 p.m.
 Safransky, Sara, Thursday-037-3:05 p.m., Sunday-019-3:55 p.m.
 Safri, Maliha, Friday-038-5:00 p.m., Saturday-026-3:05 p.m.
 Sagaris, Lake, Friday-081-1:10 p.m.
 Sage, Jeremy, Friday-064-3:05 p.m.
 Sahraoui, Nina, Friday-007-9:55 a.m.
 SAID, AL-BALUSHI, Friday-058-1:10 p.m.
 Saifuzzaman, Md, Saturday-020-8:00 a.m.
 Sailor, David, Friday-033.5-1:10 p.m., Thursday-034-5:00 p.m.
 Sakrison, Angela, Sunday-026-9:55 a.m.
 Saku, James, Saturday-049-5:00 p.m., Friday-057-1:10 p.m.
 Sakulich, John, Thursday-094-9:55 a.m.
 Sakuma, Sayaka, Sunday-027-9:55 a.m.
 Saladyga, Tom, Friday-043.1-3:05 p.m., Thursday-094-8:00 a.m.
 Salam, Shemon, Saturday-067-5:00 p.m., Sunday-055-8:00 a.m.
 Salazar, Gonzalo, Friday-102-1:10 p.m.
 Salazar Miranda, Arianna, Thursday-089-1:10 p.m.
 Saldana, Christiana, Friday-043.3-9:55 a.m.
 Saldanha, Arun, Friday-061-5:00 p.m., Sunday-072-9:55 a.m., Thursday-004-8:00 a.m.
 Salim, Zia, Friday-006-3:05 p.m., Thursday-031-3:05 p.m., Wednesday-047-4:30 p.m.,

PARTICIPANT INDEX

- Friday-024-9:55 a.m.
 Salinas-Silva, Victor, Thursday-068-8:00 a.m.
 Salisbury, David, Saturday-043.3-8:00 a.m., Thursday-103-8:00 a.m.,
 Thursday-043.1-8:00 a.m., Thursday-103-9:55 a.m., Thursday-103-1:10 p.m.,
 Thursday-092-5:00 p.m., Friday-032-8:00 a.m.
 Salman, Lana, Sunday-051-8:00 a.m.
 Salomaa, Maria, Wednesday-081-12:40 p.m.
 Salon, Deborah, Saturday-024-9:55 a.m.
 Saltiel, Troy, Thursday-043.4-9:55 a.m.
 Saltin, Linnea, Friday-074-3:05 p.m.
 Salvador, Ricardo, Thursday-101-1:10 p.m., Wednesday-035-2:35 p.m.,
 Thursday-083-1:10 p.m.
 Samani, Hector, Thursday-043.2-3:05 p.m.
 Samarasinghe, Vidyamali, Friday-020-8:00 a.m.
 Samardzhiev, Krasen, Thursday-090-1:10 p.m.
 Samarin, Mikhail, Sunday-069-3:55 p.m.
 Sambrook, Richard, Thursday-008-8:00 a.m.
 Samel, Arthur, Saturday-057-1:10 p.m.
 Samers, Michael, Friday-097-1:10 p.m., Friday-097-3:05 p.m.
 Samet, Robert, Wednesday-092-4:30 p.m.
 Sammler, Katherine, Sunday-048-8:00 a.m., Wednesday-057-8:00 a.m.,
 Wednesday-057-9:55 a.m.
 Sampaio, Dora, Saturday-074-8:00 a.m.
 Sampedro, Carolina, Sunday-062-2:00 p.m.
 Samson, Maxim, Wednesday-082-2:35 p.m.
 Sanchez, Cory, Saturday-006-1:10 p.m.
 Sanchez, Joanna, Thursday-064-9:55 a.m.
 Sanchez, Mayra, Saturday-027-3:05 p.m.
 Sanchez, Samantha, Saturday-043.3-9:55 a.m.
 Sanchez Castaneda, Paola, Saturday-064-3:05 p.m.
 Sanchez Jimenez, Alvaro, Saturday-047-3:05 p.m., Saturday-047-5:00 p.m.
 Sanchez-Ayala, Luis, Wednesday-036-12:40 p.m.
 Sanchez-Rivera, Ana, Friday-034-5:00 p.m.
 Sanchez-Trigueros, Fernando, Thursday-097-5:00 p.m.
 Sandborn, Avery, Friday-043.3-1:10 p.m., Thursday-048-1:10 p.m.
 Sandifer, Jeremy, Friday-049-5:00 p.m., Thursday-043.4-9:55 a.m.
 Sandler, Austin, Wednesday-056-2:35 p.m.
 Sandoval, Edgar, Friday-091-5:00 p.m., Sunday-066-3:55 p.m., Friday-098-1:10 p.m.,
 Friday-093-8:00 a.m.
 Sangermano, Florencia, Sunday-028-2:00 p.m., Thursday-033.5-1:10 p.m.,
 Saturday-043.5-8:00 a.m., Sunday-028-3:55 p.m., Thursday-033.5-3:05 p.m.
 SanGiovanni, Sarah, Friday-064-5:00 p.m.
 Santella, Julie, Friday-102-1:10 p.m.
 Santiago Rivera, Karla, Friday-025-5:00 p.m.
 Santizo, Natalie, Thursday-007-8:00 a.m.
 Santoni, Victor, Friday-087-9:55 a.m.
 Santos, Carolina, Thursday-062-8:00 a.m.
 Santos, Dan, Sunday-038-2:00 p.m., Saturday-001-3:05 p.m.
 Santos-Hernández, Jenniffer, Saturday-063-9:55 a.m.
 Sarigai, Fnu, Friday-065-8:00 a.m.
 Sarkar, Avijit, Friday-021-9:55 a.m.
 Sarkar, Dipto, Saturday-093-5:00 p.m., Thursday-091-5:00 p.m.
 Sarkozi-Forfinski, Jason, Friday-043.4-1:10 p.m.
 Sarmiento, Eric, Wednesday-068-4:30 p.m., Sunday-019-2:00 p.m.,
 Wednesday-053-4:30 p.m.
 Sarrazin, Phil, Sunday-072-8:00 a.m.
 Sassen, Saskia, Thursday-023-5:00 p.m.
 Sasser, Jade, Saturday-009-1:10 p.m.
 Sauerwine, Abbey, Saturday-043.3-9:55 a.m.
 Sauls, Laura, Friday-068-3:05 p.m., Thursday-049-3:05 p.m.
 Savelyev, Alexander, Saturday-060-8:00 a.m., Thursday-026-8:00 a.m.
 Savitzky, Satya, Wednesday-031-8:00 a.m.
 Sawyer, Carol, Friday-043.4-8:00 a.m.
 Saxon, James, Wednesday-067-2:35 p.m.
 Sayles, Jesse, Sunday-068-8:00 a.m.
 Sayre, Roger, Wednesday-068-11:45 a.m.
 Sbicca, Joshua, Wednesday-035-4:30 p.m.
 Scarpaci, Joseph, Thursday-074-3:05 p.m., Thursday-069-9:55 a.m.,
 Friday-069-9:55 a.m.
 Scarpone, Christopher, Saturday-034-1:10 p.m.
 Schaaf, Judy, Thursday-008-8:00 a.m.
 Schaefer, Kerstin, Wednesday-081-8:00 a.m.
 Schaeffing, Ali, Saturday-043.3-9:55 a.m.
 Schaufler, William, Saturday-037-8:00 a.m., Saturday-037-3:05 p.m.
 Schein, Richard, Friday-008-5:00 p.m., Saturday-010-3:05 p.m.
 Schenk, Christine, Thursday-034-3:05 p.m.
 Schewe, Rebecca, Thursday-054-3:05 p.m.
 Scheyvens, Regina, Friday-090-5:00 p.m., Saturday-005-9:55 a.m.
 Schiefer, Erik, Friday-025-9:55 a.m.
 Schilling, Janpeter, Saturday-063-3:05 p.m., Saturday-087-5:00 p.m.
 Schindler, Seth, Saturday-081-8:00 a.m.
 Schlichting, Kurt, Saturday-004-8:00 a.m.
 Schlosser, Kolson, Saturday-041-1:10 p.m., Friday-103-8:00 a.m.
 Schlott, Kate, Friday-043.1-9:55 a.m.
 Schmeink, Daniela, Wednesday-051-4:30 p.m.
 Schmid, Christian, Saturday-047-5:00 p.m., Saturday-099-1:10 p.m.,
 Saturday-099-3:05 p.m., Saturday-099-5:00 p.m.
 Schmidt, Li, Thursday-028-9:55 a.m.
 Schmidt, Suntje, Friday-064-9:55 a.m.
 Schmidt-Simard, Karly, Thursday-043.1-8:00 a.m.
 Schmitt, Andreas, Sunday-089-2:00 p.m.
 Schmutz, Phillip, Saturday-072-9:55 a.m.
 Schnakenberg, Gary, Thursday-017-1:10 p.m., Friday-024-8:00 a.m.,
 Saturday-088-3:05 p.m., Saturday-058-5:00 p.m.
 Schneider, Elizabeth, Friday-043.1-3:05 p.m.
 Schneider, Jakob, Wednesday-089-12:40 p.m.
 Schneider, Laura, Friday-043.2-3:05 p.m., Friday-066-8:00 a.m., Friday-066-5:00 p.m.,
 Wednesday-047-4:30 p.m.
 Schneider, Tatjana, Sunday-093-9:55 a.m.
 Schnell, Steven, Friday-091-5:00 p.m.
 Schnepf, Jennifer, Saturday-024-8:00 a.m.
 Schoenberger, Erica, Thursday-092-1:10 p.m., Sunday-081-9:55 a.m.
 Schondelmyer, Emily, Thursday-064-9:55 a.m.
 Schorung, Matthieu, Wednesday-066-4:30 p.m.
 Schrader, Stuart, Friday-063-3:05 p.m., Thursday-007-1:10 p.m.
 Schrager, Benjamin, Friday-037-5:00 p.m., Friday-037-3:05 p.m.
 Schram, Justin, Thursday-043.2-3:05 p.m., Saturday-043.1-8:00 a.m.
 Schrenk, Ronda, Friday-069-1:10 p.m.
 Schreuder, Yda, Friday-008-1:10 p.m.
 Schroder, Zoe, Wednesday-073-2:35 p.m.
 Schroeder, Christopher, Friday-082-3:05 p.m.
 Schroeder, Karisa, Thursday-070-3:05 p.m.
 Schroeder, Kathleen, Thursday-092-9:55 a.m.
 Schroeder, Richard, Wednesday-009-12:40 p.m., Wednesday-009-2:35 p.m.,
 Wednesday-009-4:30 p.m.
 Schuch, Johanna, Friday-090-3:05 p.m., Wednesday-066-4:30 p.m., Friday-082-8:00 a.m.
 Schuelke, Nicholas, Friday-024-3:05 p.m.
 Schukalla, Patrick, Thursday-025-8:00 a.m.
 Schuldt, Andrew, Saturday-067-3:05 p.m.
 Schuldt, Byron, Saturday-043.3-9:55 a.m.
 Schultze, Steven, Thursday-043.1-8:00 a.m.
 Schulz, Alina, Thursday-033.5-1:10 p.m.
 Schulz, Frederick, Thursday-043.2-3:05 p.m., Saturday-043.1-8:00 a.m.
 Schumacher, Britta, Friday-027-5:00 p.m.
 Schumann, Ronald, Friday-034-3:05 p.m., Friday-034-1:10 p.m.
 Schunder, Torsten, Thursday-064-1:10 p.m.
 Schwab, Zachary, Thursday-043.2-9:55 a.m.
 Schwanen, Tim, Friday-095-8:00 a.m., Thursday-039-5:00 p.m., Thursday-019-1:10 p.m.
 Schwartz, Mark, Thursday-062-5:00 p.m.
 Schwartz, Naomi, Sunday-016-9:55 a.m.
 Schwartzman, Gabriel, Friday-090-9:55 a.m.
 Schwarz, Gerald, Saturday-039-8:00 a.m., Saturday-033.5-1:10 p.m.,
 Saturday-039-9:55 a.m.
 Schwarz, Kirsten, Wednesday-090-2:35 p.m.
 Schwarzenberg, Tom, Saturday-055-9:55 a.m.
 Schweikert, Katrina, Thursday-072-1:10 p.m., Saturday-069-1:10 p.m.
 Sciuchetti, Mark, Saturday-041-8:00 a.m.
 Scott, Christopher, Thursday-023-8:00 a.m.

PARTICIPANT INDEX

- Scott, Darius, Saturday-012-5:00 p.m., Wednesday-088-12:40 p.m., Friday-074-8:00 a.m.
 Scott, Greg, Wednesday-089-9:55 a.m.
 Scott, Jacob, Wednesday-089-8:00 a.m.
 Scott, Nicholas, Wednesday-094-12:40 p.m.
 Scott-Richardson, Maya, Thursday-043.2-3:05 p.m.
 Seaman, Alana, Friday-043.2-3:05 p.m.
 Searcey, Rachel, Saturday-083-5:00 p.m.
 Secor, Anna, Thursday-070-8:00 a.m., Thursday-012-5:00 p.m., Friday-099-9:55 a.m., Sunday-072-9:55 a.m., Friday-035-3:05 p.m., Saturday-080-3:05 p.m.
 Sedano, Elisabeth, Thursday-067-8:00 a.m.
 Sedell, Jennifer, Sunday-091-8:00 a.m.
 Sedita, Silvia Rita, Saturday-099-9:55 a.m.
 Seed, Patricia, Saturday-009-5:00 p.m.
 Seemann, Jorn, Saturday-009-3:05 p.m., Saturday-009-5:00 p.m.
 Seidenglanz, Daniel, Sunday-080-2:00 p.m., Sunday-053-9:55 a.m.
 Seigel, Micol, Thursday-007-1:10 p.m., Thursday-084-8:00 a.m., Wednesday-039-4:30 p.m.
 Seigerman, Cydney, Sunday-090-2:00 p.m.
 Seitz, David, Friday-091-5:00 p.m., Sunday-066-3:55 p.m., Wednesday-083-9:55 a.m., Wednesday-032-4:30 p.m.
 Selch, Donna, Thursday-033.5-3:05 p.m.
 Selfa, Theresa, Saturday-066-9:55 a.m., Friday-084-9:55 a.m., Thursday-033.5-9:55 a.m.
 Selivanov, Shelly, Saturday-084-5:00 p.m., Thursday-019-9:55 a.m.
 Sellar, Christian, Thursday-102-1:10 p.m., Saturday-064-8:00 a.m., Saturday-064-9:55 a.m.
 Sen, Anjan, Thursday-016-9:55 a.m.
 Senanayake, Nari, Saturday-094-8:00 a.m.
 Sendra, Pablo, Friday-095-3:05 p.m.
 Sengupta, Raja, Wednesday-049-2:35 p.m., Friday-058-1:10 p.m.
 Sengupta, Soma, Thursday-016-9:55 a.m.
 SENGUPTA, MAYURI, Sunday-028-8:00 a.m.
 Seong, Jeong, Saturday-043.3-9:55 a.m.
 Seowtewa, Octavius, Thursday-032-5:00 p.m.
 Sept, Ariane, Saturday-001-1:10 p.m.
 Serafin, Francesco, Friday-041-9:55 a.m.
 Serin, Salomé, Friday-021-1:10 p.m.
 Serrano, Carlos, Saturday-027-1:10 p.m.
 Sersli, Stephanie, Sunday-024-2:00 p.m., Sunday-024-3:55 p.m.
 Setyanto, Adhi, Wednesday-094-9:55 a.m.
 Severcool, Tracy, Friday-043.2-1:10 p.m.
 Seymour, Eric, Thursday-086-8:00 a.m., Sunday-006-8:00 a.m., Friday-089-3:05 p.m.
 Sha, Dexuan, Saturday-049-3:05 p.m.
 Shabazz, Rashad, Friday-098-5:00 p.m., Saturday-026-1:10 p.m., Sunday-019-8:00 a.m., Sunday-019-9:55 a.m.
 Shabrina, Zahratu, Friday-062-3:05 p.m.
 Shade, Charlotte, Friday-049-8:00 a.m.
 Shade, Lindsay, Wednesday-051-2:35 p.m., Thursday-087-8:00 a.m.
 Shadrova, Anna, Wednesday-055-4:30 p.m.
 Shah, Aniket, Thursday-023-3:05 p.m.
 Shah, Dhruvil, Friday-033.5-1:10 p.m.
 Shah, Swati, Sunday-016-2:00 p.m.
 Shaker, Richard, Wednesday-054-12:40 p.m.
 Shakespeare, Rebecca, Saturday-049-4:30 p.m.
 Shaller, Alex, Thursday-033.5-8:00 a.m.
 Shams, Ishan, Thursday-036-1:10 p.m., Sunday-057-8:00 a.m.
 Shan, Chong, Saturday-024-3:05 p.m.
 Shan, Zhengying, Friday-064-3:05 p.m.
 Shang, Xiaowen, Sunday-020-2:00 p.m.
 Shang, Yingshi, Wednesday-049-4:30 p.m.
 Shannon, Jerry, Sunday-004-8:00 a.m., Sunday-004-9:55 a.m., Thursday-060-3:05 p.m., Friday-091-1:10 p.m.
 Shao, Wanyun, Friday-036-8:00 a.m.
 Shapiro, Judith, Saturday-016-5:00 p.m.
 Shapiro-Garza, Elizabeth, Friday-084-8:00 a.m., Saturday-088-1:10 p.m., Saturday-041-3:05 p.m., Friday-084-9:55 a.m.
 Shapton, Claire, Friday-063-8:00 a.m.
 Sharma, Anjali, Wednesday-082-12:40 p.m.
 Sharma, Madhuri, Thursday-028-1:10 p.m.
 Sharma, Preeti, Wednesday-083-9:55 a.m., Saturday-012-1:10 p.m.
 Sharma, Shalini, Saturday-088-9:55 a.m., Friday-037-9:55 a.m., Friday-048-3:05 p.m.
 Sharpe, Scott, Thursday-002-8:00 a.m., Friday-038-5:00 p.m.
 Sharples, Rachel, Saturday-061-9:55 a.m., Saturday-092-3:05 p.m., Saturday-092-5:00 p.m.
 Sharrocks, Amy, Thursday-061-3:05 p.m.
 Sharron, Kelly, Wednesday-038-2:35 p.m.
 Sharygin, Ethan, Thursday-033.5-8:00 a.m., Friday-089-3:05 p.m.
 Shatkin, Gavin, Saturday-047-3:05 p.m., Sunday-089-8:00 a.m.
 Shattuck, Annie, Wednesday-031-4:30 p.m., Thursday-054-9:55 a.m., Wednesday-035-9:55 a.m., Saturday-066-5:00 p.m.
 Shattuck, Will, Saturday-094-8:00 a.m., Saturday-094-9:55 a.m., Saturday-094-1:10 p.m.
 Shavers, Ethan, Wednesday-052-12:40 p.m., Friday-036-8:00 a.m.
 Shaw, Kate, Sunday-040-2:00 p.m.
 Shaw, Shih-Lung, Friday-091-3:05 p.m., Saturday-091-3:05 p.m., Wednesday-091-2:35 p.m., Friday-033-1:10 p.m., Friday-091-9:55 a.m., Thursday-091-5:00 p.m.
 Shcheglovitova, Mariya, Saturday-067-8:00 a.m., Sunday-048-3:55 p.m.
 She, Bing, Thursday-091-8:00 a.m., Friday-087-9:55 a.m.
 Shearer, Allan, Sunday-024-8:00 a.m.
 Sheehan, Rebecca, Thursday-033-5:00 p.m.
 Sheets, Nathaniel, Thursday-080-8:00 a.m., Friday-024-5:00 p.m., Friday-082-9:55 a.m.
 Sheinberg, Carly, Friday-043.3-3:05 p.m.
 Sheldrick, Alistair, Saturday-006-1:10 p.m., Friday-003-8:00 a.m.
 Shell, Jacob, Friday-031-8:00 a.m.
 Sheller, Mimi, Friday-102-3:05 p.m.
 Shelley, Fred, Thursday-052-9:55 a.m., Saturday-043.4-8:00 a.m.
 Shellito, Bradley, Friday-070-5:00 p.m.
 Shelton, Taylor, Sunday-061-2:00 p.m., Saturday-097-9:55 a.m.
 Shen, Jie, Friday-021-1:10 p.m.
 Shen, Ming, Thursday-043.4-9:55 a.m.
 Shen, Xiaoping, Thursday-043.2-3:05 p.m.
 Shen, Xiaoqing, Friday-043.1-1:10 p.m.
 Shen, Yue, Friday-060-5:00 p.m., Saturday-053-9:55 a.m.
 Sheng, Jichuan, Friday-010-9:55 a.m.
 Sheng, Yanwen, Saturday-043.3-9:55 a.m.
 Shepard, Coleman, Friday-033-9:55 a.m.
 Shepard, Robert, Thursday-033.5-5:00 p.m.
 Sheppard, Eric, Friday-036-3:05 p.m., Saturday-047-3:05 p.m.
 Sheridan, Scott, Friday-048-8:00 a.m., Friday-052-8:00 a.m., Thursday-062-5:00 p.m.
 Sherman-Morris, Kathleen, Saturday-043.1-8:00 a.m., Saturday-064-5:00 p.m.
 Sherpa, Pasang, Thursday-094-3:05 p.m.
 Sherriff, Rosemary, Saturday-052-5:00 p.m.
 Shetty, Sujata, Sunday-092-3:55 p.m.
 Sheu, Sherri, Saturday-020-1:10 p.m.
 Shevade, Varada, Friday-058-1:10 p.m.
 Shi, Di, Friday-043.2-9:55 a.m., Wednesday-049-4:30 p.m.
 Shi, Fan, Saturday-062-1:10 p.m.
 Shi, Ge, Thursday-043.3-3:05 p.m.
 Shi, Jianru, Friday-099-8:00 a.m.
 Shi, Jin, Saturday-099-8:00 a.m.
 Shi, Meilin, Thursday-091-9:55 a.m.
 Shi, Peijun, Thursday-048-9:55 a.m., Saturday-054-8:00 a.m., Wednesday-089-8:00 a.m., Friday-062-5:00 p.m.
 Shi, Xun, Friday-055-3:05 p.m., Thursday-097-3:05 p.m., Thursday-032-9:55 a.m., Saturday-056-3:05 p.m.
 SHI, Zitong, Saturday-086-1:10 p.m.
 Shields, Cassandra, Friday-043.3-3:05 p.m.
 Shields, Kirsteen, Thursday-083-5:00 p.m.
 Shih, Mi, Friday-039-3:05 p.m.
 Shih, Mu-Chih, Saturday-083-5:00 p.m., Sunday-036-3:55 p.m.
 Shih-Ting, Yu, Sunday-092-2:00 p.m.
 Shiklomanov, Nikolay, Thursday-072-9:55 a.m., Thursday-043.1-8:00 a.m.
 Shimizu, Melinda, Friday-006-3:05 p.m., Thursday-017-9:55 a.m., Thursday-017-1:10 p.m.
 Shimoda, Yukimi, Thursday-089-5:00 p.m.
 Shin, Bokyong, Thursday-020-1:10 p.m.
 Shin, HaeRan, Thursday-089-5:00 p.m.
 Shin, Vanessa, Friday-043.3-1:10 p.m.
 Shinker, Jacqueline, Friday-025-9:55 a.m., Thursday-022-1:10 p.m.

PARTICIPANT INDEX

- Shinn, Jamie, Thursday-088-5:00 p.m.
 Shinsato, Lara, Saturday-043.3-9:55 a.m.
 Shipp, Laura, Thursday-034-1:10 p.m.
 Shlomo, Oren, Sunday-089-2:00 p.m.
 Shoemaker, Douglas, Saturday-058-9:55 a.m.
 Shoenfeld, Sarah, Saturday-100-1:10 p.m., Sunday-026-2:00 p.m., Friday-081-9:55 a.m.
 Shogib, Rakibul, Thursday-043.3-3:05 p.m.
 Shook, Eric, Thursday-035-5:00 p.m., Thursday-011-8:00 a.m., Friday-033-1:10 p.m., Friday-033-9:55 a.m.
 Short, Michael, Thursday-095-8:00 a.m., Thursday-095-9:55 a.m.
 Short, Ryan, Saturday-056-5:00 p.m.
 Short Gianotti, Anne, Sunday-081-8:00 a.m.
 Shrestha, Krishna, Thursday-018-9:55 a.m.
 Shrestha, Milan, Thursday-018-8:00 a.m.
 Shrestha, Nanda, Thursday-010-3:05 p.m.
 Shriar, Avrum, Friday-090-9:55 a.m.
 Shuey, Michelle, Saturday-048-9:55 a.m.
 Shull, Nathan, Friday-052-9:55 a.m.
 Shumway, Hannah, Saturday-056-9:55 a.m.
 Shutzer, Matthew, Thursday-012-3:05 p.m.
 Shwayri, Sofia, Saturday-023-9:55 a.m.
 Sica, Carlo, Wednesday-082-12:40 p.m.
 Sidaway, James, Friday-006-8:00 a.m., Friday-006-9:55 a.m., Friday-084-1:10 p.m., Friday-019-5:00 p.m.
 Siders, A.R., Friday-040-5:00 p.m., Thursday-082-5:00 p.m.
 Siebeneck, Laura, Thursday-016-5:00 p.m.
 Siebert, Maggie, Sunday-058-9:55 a.m.
 Siegner, Alana, Wednesday-035-9:55 a.m.
 Siemiatycki, Matti, Friday-005-9:55 a.m.
 Siener, Christian, Friday-008-1:10 p.m., Friday-008-3:05 p.m., Friday-008-5:00 p.m.
 Siewe, Siewe, Saturday-049-9:55 a.m.
 Sigdel, Rajesh, Friday-019-9:55 a.m.
 Sigler, Thomas, Friday-092-9:55 a.m.
 Sila-Nowicka, Katarzyna, Friday-021-8:00 a.m.
 Silas, Jakira, Thursday-028-5:00 p.m., Saturday-043.3-9:55 a.m.
 Silva, Elton, Thursday-058-1:10 p.m.
 Silva, Julie, Thursday-069-1:10 p.m., Thursday-035-8:00 a.m.
 Silva Ardila, Diego, Thursday-073-8:00 a.m.
 Silver, Amber, Thursday-048-8:00 a.m.
 Silver, Jennifer, Friday-061-3:05 p.m., Sunday-058-3:55 p.m.
 Silvey, Rachel, Friday-002-8:00 a.m.
 Sim, Sunhui, Thursday-098-5:00 p.m., Sunday-052-3:55 p.m.
 Simmons, Cynthia, Saturday-065-5:00 p.m., Thursday-103-9:55 a.m., Thursday-103-1:10 p.m., Friday-032-8:00 a.m., Friday-032-9:55 a.m., Friday-032-1:10 p.m.
 Simmons, Devin, Thursday-043.4-9:55 a.m.
 Simon, Gregory, Wednesday-048-4:30 p.m., Saturday-009-1:10 p.m., Thursday-054-9:55 a.m., Friday-035-8:00 a.m., Friday-035-9:55 a.m.
 Simon, Larissa, Saturday-005-3:05 p.m.
 Simone, AbdouMaliq, Saturday-095-8:00 a.m., Friday-095-8:00 a.m., Saturday-072-5:00 p.m., Thursday-005-1:10 p.m., Sunday-006-9:55 a.m., Friday-019-5:00 p.m., Saturday-099-3:05 p.m.
 Simone, Dylan, Saturday-097-8:00 a.m.
 Simpson, Jessica, Saturday-083-5:00 p.m.
 Simpson, Lisa, Friday-005-3:05 p.m.
 Simpson, Mark, Thursday-072-3:05 p.m., Friday-074-5:00 p.m.
 Simpson, Michael, Wednesday-031-9:55 a.m.
 Sims, Alexis, Sunday-050-9:55 a.m.
 Sin, Emily, Thursday-043.2-3:05 p.m.
 Sin, Harg Luh, Saturday-005-1:10 p.m., Thursday-006-9:55 a.m.
 Sinai, Cyrus, Friday-064-1:10 p.m.
 Singer, Matan, Wednesday-066-2:35 p.m.
 Singh, Chayanika, Thursday-043.3-3:05 p.m.
 Singh, Harman, Thursday-043.4-9:55 a.m.
 Singh, Neera, Thursday-068-5:00 p.m., Thursday-010-3:05 p.m., Friday-027-1:10 p.m.
 Singh, Rianka, Thursday-034-9:55 a.m.
 Singleton, Alex, Thursday-065-5:00 p.m., Wednesday-067-12:40 p.m., Thursday-090-8:00 a.m., Thursday-090-9:55 a.m., Thursday-090-1:10 p.m.
 Sinha, Gaurav, Thursday-097-9:55 a.m., Thursday-064-8:00 a.m.
 Sinton, Diana, Thursday-065-5:00 p.m., Thursday-041-1:10 p.m., Thursday-003-9:55 a.m.
 Sioui, Miguel, Friday-068-1:10 p.m.
 Sirk, Robert, Wednesday-091-4:30 p.m., Friday-058-9:55 a.m.
 Sivarajah, Janani, Wednesday-090-4:30 p.m.
 Sivaramakrishnan, Kalyanakrishnan, Sunday-024-9:55 a.m., Friday-018-9:55 a.m.
 Sjögren, Darren, Thursday-016-5:00 p.m.
 Sjøtun, Svein Gunnar, Saturday-095-1:10 p.m.
 Skeeter, Catherine, Thursday-043.3-9:55 a.m.
 Skeeter, Walker, Thursday-043.1-8:00 a.m.
 Skidmore, Tess, Sunday-092-2:00 p.m.
 Skinner, Derek, Saturday-063-3:05 p.m.
 Skop, Emily, Wednesday-070-8:00 a.m., Friday-090-3:05 p.m., Saturday-088-5:00 p.m.
 Skrede, Joar, Saturday-043.3-9:55 a.m.
 Skupin, André, Sunday-056-8:00 a.m.
 Slack, Jeremy, Saturday-061-1:10 p.m., Friday-024-3:05 p.m.
 Slack, Patrick, Friday-010-8:00 a.m.
 Slade, Adria, Friday-043.4-8:00 a.m.
 Slager, Emma, Friday-031-5:00 p.m., Thursday-041-8:00 a.m.
 Slatery, Michael, Saturday-043.5-8:00 a.m.
 Slayton, Emma, Thursday-083-9:55 a.m.
 Sloan, Alicia, Saturday-043.3-9:55 a.m.
 Slocum, Zachery, Thursday-035-5:00 p.m., Sunday-054-9:55 a.m.
 Smachylo, Julia, Saturday-099-5:00 p.m., Sunday-026-9:55 a.m.
 Smiles, Deondre, Friday-068-1:10 p.m.
 Smiley, Sarah, Thursday-047-9:55 a.m.
 Smirnova, Vera, Saturday-019-8:00 a.m.
 Smith, Abigail, Friday-043.2-8:00 a.m.
 Smith, Adrian, Saturday-023-9:55 a.m., Friday-023-1:10 p.m., Friday-099-1:10 p.m., Friday-099-3:05 p.m., Friday-099-5:00 p.m.
 Smith, Alan, Wednesday-001-12:40 p.m.
 Smith, Ashley, Friday-086-9:55 a.m.
 Smith, Audrey, Saturday-066-8:00 a.m., Saturday-066-9:55 a.m.
 Smith, Barbara Ellen, Wednesday-041-2:35 p.m.
 Smith, Benjamin, Sunday-054-3:55 p.m.
 Smith, Betty, Saturday-100-3:05 p.m.
 Smith, Darren, Friday-090-8:00 a.m., Friday-090-9:55 a.m., Friday-090-1:10 p.m.
 Smith, Drew, Friday-043.3-3:05 p.m.
 Smith, Ei Phyu, Saturday-088-8:00 a.m.
 Smith, Erik, Friday-052-8:00 a.m., Wednesday-053-2:35 p.m.
 Smith, Harrison, Wednesday-012-9:55 a.m.
 Smith, Heather, Wednesday-070-9:55 a.m., Friday-090-3:05 p.m.
 Smith, Holly, Wednesday-038-9:55 a.m.
 Smith, Jackson, Friday-017-3:05 p.m.
 Smith, Janet, Friday-039-9:55 a.m.
 Smith, Jeffrey, Thursday-027-3:05 p.m.
 Smith, Jennifer, Thursday-043.4-9:55 a.m.
 Smith, Jonathan, Friday-049-5:00 p.m.
 Smith, Kristin, Sunday-094-9:55 a.m.
 Smith, Laura, Friday-043.1-3:05 p.m., Saturday-018-9:55 a.m., Saturday-052-8:00 a.m.
 Smith, Meghann, Friday-049-9:55 a.m.
 Smith, Molly, Friday-033.5-3:05 p.m.
 Smith, Samuel, Friday-034-1:10 p.m.
 Smith, Sara H., Thursday-019-8:00 a.m., Friday-035-1:10 p.m., Friday-004-8:00 a.m., Thursday-095-1:10 p.m., Wednesday-032-4:30 p.m., Saturday-008-9:55 a.m.
 Smith, Tate, Thursday-043.1-8:00 a.m.
 Smithwick, Erica, Friday-054-8:00 a.m., Friday-101-5:00 p.m.
 Smolinski, Pawel, Sunday-051-2:00 p.m.
 Smoyer, Marie, Friday-043.2-3:05 p.m.
 Smyrniotopoulou, Alexandra, Saturday-033.5-1:10 p.m., Saturday-039-9:55 a.m.
 Snediker, Diane, Thursday-043.3-1:10 p.m.
 Sneegas, Gretchen, Thursday-069-8:00 a.m., Thursday-012-1:10 p.m., Thursday-012-3:05 p.m., Saturday-016-3:05 p.m.
 Snider, Mitchell, Sunday-080-2:00 p.m.
 Snyder, Gregory, Thursday-052-8:00 a.m.
 Sohail, Shairoz, Friday-041-9:55 a.m.
 Sohl, Terry, Thursday-062-8:00 a.m.
 Sohn, So Young, Thursday-043.3-9:55 a.m.
 Sokol, Nicholas, Thursday-043.1-8:00 a.m.

PARTICIPANT INDEX

- Solberg, Anna, Friday-027-9:55 a.m.
 Solberg, Charles, Thursday-021-8:00 a.m.
 Solecki, William, Saturday-061-3:05 p.m., Thursday-090-5:00 p.m., Friday-047-5:00 p.m.
 Solem, Michael, Thursday-041-3:05 p.m., Wednesday-068-2:35 p.m., Friday-070-9:55 a.m., Friday-047-3:05 p.m., Thursday-068-9:55 a.m., Thursday-041-1:10 p.m., Saturday-069-1:10 p.m., Friday-069-1:10 p.m., Saturday-069-3:05 p.m.
 Solis, Miriam, Thursday-050-5:00 p.m.
 Solis, Patricia, Friday-033.5-1:10 p.m., Thursday-010-8:00 a.m., Thursday-010-9:55 a.m., Wednesday-083-8:00 a.m., Thursday-092-5:00 p.m., Sunday-004-8:00 a.m., Saturday-068-8:00 a.m.
 Solitander, Nikodemus, Friday-097-8:00 a.m.
 Söllner, Cathrin, Thursday-081-8:00 a.m.
 Solomon, Leevun, Wednesday-089-8:00 a.m.
 Solórzano, Rafael, Thursday-007-8:00 a.m., Friday-098-1:10 p.m.
 Solovyeva, Vera, Saturday-019-9:55 a.m.
 Somdahl-Sands, Katrinka, Friday-091-5:00 p.m.
 Sommerville, Melanie, Wednesday-048-4:30 p.m., Saturday-098-8:00 a.m.
 Somsen, Geert, Saturday-098-5:00 p.m.
 Son, Philip, Saturday-039-5:00 p.m.
 Song, Ahyun, Thursday-024-8:00 a.m.
 Song, Danran, Sunday-054-2:00 p.m.
 Song, Min, Sunday-047-9:55 a.m.
 Song, Nianshen, Sunday-066-9:55 a.m.
 Song, Xiaopeng, Sunday-062-9:55 a.m., Thursday-091-5:00 p.m.
 Song, Yena, Friday-082-1:10 p.m.
 Song, Ying, Thursday-097-5:00 p.m., Thursday-097-3:05 p.m., Wednesday-091-2:35 p.m., Friday-093-1:10 p.m.
 SONG, Shan, Friday-043.2-9:55 a.m.
 Songer, Melissa, Saturday-043.5-8:00 a.m., Saturday-065-5:00 p.m.
 Sonnichsen, Tyler, Sunday-041-3:55 p.m.
 Sonti, Nancy, Wednesday-090-9:55 a.m.
 Soobitsky, Rachel, Friday-062-1:10 p.m.
 Sorensen, Andre, Friday-081-1:10 p.m.
 Sorensen, Janni, Friday-063-8:00 a.m.
 Sorenson, Matthew, Thursday-074-8:00 a.m.
 Sörlin, Sverker, Thursday-099-5:00 p.m.
 Sorokine, Alexandre, Thursday-097-8:00 a.m., Thursday-097-9:55 a.m.
 Sorrells, Robert, Friday-043.4-8:00 a.m.
 Sosa Garnica, Valeria, Wednesday-057-4:30 p.m.
 Sotaraute, Markku, Friday-001-9:55 a.m., Friday-001-3:05 p.m.
 Sotnik, Garry, Sunday-001-8:00 a.m., Saturday-101-3:05 p.m.
 Soto Vega, Karriann, Friday-086-1:10 p.m.
 Sotoudehnia, Maral, Sunday-055-3:55 p.m., Thursday-051-5:00 p.m.
 Soubra, Yasmine, Saturday-043.3-9:55 a.m.
 Soule, Peter, Friday-043.1-3:05 p.m.
 Southern, Jacquelyn, Thursday-025-9:55 a.m.
 Southey, Basil, Sunday-052-2:00 p.m.
 Southworth, Jane, Friday-073-9:55 a.m., Saturday-060-1:10 p.m., Saturday-066-8:00 a.m., Saturday-066-9:55 a.m.
 Souvannaseng, Pon, Friday-097-8:00 a.m.
 Spackman, Everett, Friday-043.3-1:10 p.m.
 Spady, Samantha, Wednesday-086-9:55 a.m.
 Spaeth, Philipp, Friday-023-9:55 a.m., Friday-023-8:00 a.m., Friday-023-1:10 p.m.
 Spangler, Ian, Friday-038-8:00 a.m.
 Sparks, Kevin, Saturday-093-5:00 p.m., Saturday-103-1:10 p.m., Saturday-049-1:10 p.m.
 Speer, James, Friday-043.1-3:05 p.m., Saturday-052-8:00 a.m.
 Speer, Jessie, Wednesday-094-2:35 p.m.
 Speight, Heather, Saturday-019-1:10 p.m.
 Speiran, Siobhan, Sunday-027-9:55 a.m.
 Spell, Lindsay, Saturday-043.2-8:00 a.m.
 Spellane, Peter, Wednesday-072-9:55 a.m.
 Spera, Stephanie, Wednesday-049-9:55 a.m.
 Sperandio, Elisa, Saturday-007-1:10 p.m.
 Spetka, Matthew, Friday-043.2-3:05 p.m.
 Spicer, Jason, Friday-005-8:00 a.m.
 Spinney, Jamie, Thursday-043.3-3:05 p.m., Saturday-043.6-8:00 a.m.
 Splichalova, Dacotah-Victoria, Wednesday-086-9:55 a.m.
 Spruce, Emma, Saturday-087-8:00 a.m.
 Srinivasan, Krithika, Thursday-098-8:00 a.m., Friday-051-1:10 p.m.
 Sroda-Murawska, Stefania, Sunday-051-2:00 p.m.
 St. Clair, Jennifer, Thursday-043.1-8:00 a.m.
 St. Martin, Kevin, Saturday-026-3:05 p.m., Wednesday-092-9:55 a.m., Wednesday-009-12:40 p.m., Saturday-026-5:00 p.m.
 Stacey, Paul, Saturday-100-8:00 a.m.
 Stack, Monica, Saturday-043.3-8:00 a.m.
 Staddon, Chad, Thursday-047-8:00 a.m., Saturday-019-3:05 p.m., Saturday-066-5:00 p.m.
 Stadler, Sophie, Saturday-083-1:10 p.m.
 Stadler, Stephen, Thursday-043.1-8:00 a.m., Saturday-033.5-9:55 a.m.
 Stafford, Kathleen, Thursday-043.4-9:55 a.m.
 Stallins, J., Friday-043.2-3:05 p.m.
 Stan, Amanda, Friday-043.1-3:05 p.m.
 Stanek, Lukasz, Friday-063-3:05 p.m., Saturday-047-3:05 p.m., Saturday-047-1:10 p.m.
 Stanek, Marcin, Sunday-090-9:55 a.m.
 Stanislawski, Larry, Wednesday-052-12:40 p.m., Friday-036-8:00 a.m.
 Starner, Josh, Saturday-043.2-8:00 a.m.
 Staub, Caroline, Friday-028-3:05 p.m., Saturday-062-3:05 p.m.
 Steacy, Chad, Friday-064-5:00 p.m., Sunday-090-2:00 p.m., Sunday-090-3:55 p.m., Saturday-009-9:55 a.m.
 Steckler, Morgan, Thursday-043.1-8:00 a.m.
 Steckley, Joshua, Sunday-092-2:00 p.m.
 Steckley, Marylynn, Friday-026-1:10 p.m.
 Steenvoorden, Greta, Friday-099-1:10 p.m.
 Steger, Cara, Friday-072-8:00 a.m., Friday-072-9:55 a.m., Friday-072-1:10 p.m., Friday-072-3:05 p.m.
 Stehlin, John, Sunday-024-2:00 p.m., Friday-038-8:00 a.m., Friday-038-9:55 a.m.
 Steil, Justin, Thursday-050-5:00 p.m.
 Stein, Jessie, Saturday-026-1:10 p.m., Thursday-100-5:00 p.m., Saturday-041-9:55 a.m.
 Stein, Samuel, Friday-031-8:00 a.m., Sunday-025-2:00 p.m., Thursday-001-9:55 a.m.
 Stein, Serena, Thursday-012-3:05 p.m.
 Steinberg, Philip, Friday-061-1:10 p.m.
 Steiner, Christian, Friday-026-8:00 a.m.
 Stepchenkova, Svetlana, Saturday-090-1:10 p.m., Saturday-090-3:05 p.m., Saturday-043.7-8:00 a.m.
 Stephen, Osero, Thursday-043.3-3:05 p.m.
 Stephens, Connor, Thursday-094-1:10 p.m.
 Stephens, Jennie, Wednesday-084-4:30 p.m.
 Stephens, Jillian, Thursday-043.1-8:00 a.m.
 Stephens, Monica, Friday-065-5:00 p.m., Saturday-066-3:05 p.m.
 Stephenson, Eleanor, Thursday-101-8:00 a.m.
 Stephenson, Scott, Thursday-043.1-8:00 a.m., Sunday-053-3:55 p.m.
 Stern, Herschel, Thursday-027-1:10 p.m.
 Stern, Justin, Saturday-092-9:55 a.m.
 Sternberg, Carolina, Friday-081-8:00 a.m.
 Stevens, Forrest, Thursday-067-3:05 p.m., Saturday-073-1:10 p.m., Saturday-101-5:00 p.m., Saturday-062-3:05 p.m., Saturday-056-5:00 p.m., Thursday-043.4-9:55 a.m.
 Stevens, James, Sunday-020-2:00 p.m.
 Stevens, Lukas, Friday-037-1:10 p.m.
 STEVENS, ROBERT, Thursday-073-9:55 a.m.
 Stevenson, Megan, Thursday-043.2-3:05 p.m.
 Stewart, Kaitlin, Saturday-087-5:00 p.m.
 Stewart, Kathleen, Friday-041-8:00 a.m., Thursday-056-3:05 p.m., Thursday-091-8:00 a.m., Friday-055-5:00 p.m., Thursday-091-5:00 p.m., Thursday-056-5:00 p.m.
 Stewart, Robert, Thursday-089-9:55 a.m., Friday-093-5:00 p.m.
 Stewart-Frey, Iris, Friday-061-8:00 a.m., Saturday-066-5:00 p.m.
 Stiefel, Maximilian, Friday-089-3:05 p.m.
 Stinard-Kiel, Sarah, Sunday-061-8:00 a.m.
 Stinchcomb, Taylor, Saturday-043.1-8:00 a.m.
 Stinson, Michela, Sunday-086-2:00 p.m.
 STODDARD, ELISABETH, Wednesday-036-8:00 a.m., Friday-094-9:55 a.m.
 Stoeckel, Andrew, Thursday-033.5-9:55 a.m.
 Stoler, Justin, Thursday-047-8:00 a.m., Saturday-088-3:05 p.m., Saturday-058-5:00 p.m., Sunday-037-8:00 a.m.
 Stoltman, Joseph, Wednesday-068-2:35 p.m., Friday-019-8:00 a.m.

PARTICIPANT INDEX

Stone, Amy, Friday-068-8:00 a.m., Friday-068-9:55 a.m.
 Stone, Timothy, Friday-033-5-8:00 a.m., Thursday-061-5:00 p.m.
 Storper, Michael, Friday-100-9:55 a.m., Friday-100-1:10 p.m., Friday-005-8:00 a.m.
 Stovall, Tony, Thursday-022-5:00 p.m.
 Stow, Douglas, Thursday-043.1-9:55 a.m., Wednesday-037-12:40 p.m.
 Strain, John, Friday-043.2-1:10 p.m.
 Stratford, Elaine, Sunday-080-8:00 a.m., Wednesday-057-9:55 a.m.
 Straughan, Elizabeth, Wednesday-094-12:40 p.m., Wednesday-094-2:35 p.m., Wednesday-094-4:30 p.m.
 Straw, Annelise, Friday-043.3-1:10 p.m.
 Strebel, Ignaz, Friday-001-5:00 p.m.
 Streletskiy, Dmitry, Thursday-072-9:55 a.m., Thursday-043.1-8:00 a.m.
 Streule, Monika, Saturday-047-5:00 p.m.
 Strickland, Jamie, Thursday-043.3-1:10 p.m.
 Strode, Georgianna, Saturday-056-5:00 p.m.
 Strohmayr, Ulf, Wednesday-093-8:00 a.m.
 Strong, Michael, Wednesday-051-4:30 p.m., Thursday-035-8:00 a.m.
 Stroud, Hubert, Friday-049-8:00 a.m.
 Strunk, Christopher, Friday-007-3:05 p.m., Saturday-074-5:00 p.m.
 Struve, Suzanne, Saturday-043.3-9:55 a.m.
 Stubbs, Quentin, Saturday-019-1:10 p.m.
 Sturlaugson, Brent, Sunday-036-8:00 a.m.
 Sturod, Anne, Saturday-084-5:00 p.m., Saturday-019-8:00 a.m.
 Su, Haibin, Friday-024-9:55 a.m.
 Su, Lijuan, Saturday-090-3:05 p.m.
 Su, Xiaobo, Sunday-040-8:00 a.m., Saturday-005-1:10 p.m., Friday-006-9:55 a.m., Sunday-067-9:55 a.m., Saturday-088-8:00 a.m.
 Su, Xing, Saturday-005-3:05 p.m.
 Suarez, Angela Marcela, Sunday-063-9:55 a.m.
 Subia Smith, Gabriella, Friday-022-1:10 p.m., Saturday-093-8:00 a.m.
 Subulwa, Angela, Wednesday-088-2:35 p.m.
 Sudermann, Yannick, Friday-003-3:05 p.m.
 Sukanuma, Unryu, Thursday-010-5:00 p.m., Saturday-063-5:00 p.m.
 Sugg, Zachary, Sunday-092-3:55 p.m.
 Sui, Daniel, Friday-091-3:05 p.m., Saturday-066-3:05 p.m.
 Sui, Yuwen, Friday-055-8:00 a.m.
 Sukaryavichute, Elina, Saturday-043.2-8:00 a.m.
 SULEYMANOV, Ilmur, Friday-022-8:00 a.m.
 Sulick, Caroline, Friday-043.3-3:05 p.m.
 Sullivan, Clare, Wednesday-054-4:30 p.m.
 Sullivan, Donald, Friday-043.1-3:05 p.m.
 Sullivan, Jess, Thursday-043.3-9:55 a.m.
 Sullivan, Lawrence, Friday-103-8:00 a.m.
 Sullivan-Wiley, Kira, Saturday-101-1:10 p.m., Saturday-101-3:05 p.m., Saturday-101-5:00 p.m.
 Sultana, Farhana, Saturday-073-9:55 a.m., Saturday-009-1:10 p.m., Friday-040-5:00 p.m., Sunday-037-8:00 a.m.
 Sultana, Selima, Friday-080-8:00 a.m., Friday-041-5:00 p.m., Friday-080-9:55 a.m.
 Summer, Rebecca, Wednesday-038-8:00 a.m.
 Summers, Brandi, Sunday-052-8:00 a.m., Friday-081-9:55 a.m., Thursday-037-5:00 p.m.
 Summers, Jeffy, Friday-043.1-3:05 p.m.
 Summers, Kelly, Friday-027-5:00 p.m.
 Sun, Laixiang, Saturday-054-8:00 a.m., Thursday-072-8:00 a.m., Wednesday-074-9:55 a.m., Sunday-053-2:00 p.m.
 Sun, Xiaoxuan, Thursday-058-1:10 p.m.
 Sun, Xiaozhong, Saturday-028-9:55 a.m.
 Sun, Ziheng, Friday-043.1-8:00 a.m., Wednesday-074-8:00 a.m., Thursday-062-1:10 p.m.
 SUN, HAONAN, Saturday-086-8:00 a.m.
 SUN, XIAO, Saturday-043.3-9:55 a.m.
 Sunder, Sindhuja, Saturday-043.5-8:00 a.m.
 Sundstrom, William, Friday-043.3-1:10 p.m., Thursday-047-5:00 p.m., Saturday-066-5:00 p.m.
 Sung, Hae Seung, Thursday-043.1-8:00 a.m.
 Sung, Sangwoo, Thursday-058-9:55 a.m.
 SUNLEY, PETER, Friday-092-1:10 p.m., Friday-092-3:05 p.m.
 Suriani, Benjamin, Friday-006-1:10 p.m.
 Suriano, Zachary, Saturday-057-1:10 p.m., Wednesday-069-4:30 p.m., Thursday-069-9:55 a.m., Friday-069-9:55 a.m.
 Surprise, Kevin, Saturday-073-5:00 p.m., Saturday-001-3:05 p.m.

Sutherland, Colin, Sunday-051-9:55 a.m., Saturday-067-9:55 a.m.
 Sutherland, Elaine, Saturday-052-5:00 p.m.
 Sutherland, Kiethen, Thursday-098-8:00 a.m.
 Sutton, Christopher, Saturday-024-3:05 p.m.
 Sutton, Paul, Wednesday-054-12:40 p.m., Thursday-017-1:10 p.m.
 Sveinsdottir, Anna, Wednesday-034-4:30 p.m.
 Swab, John, Saturday-089-9:55 a.m.
 Swales, Stephen, Thursday-074-1:10 p.m.
 Swann, Christy, Saturday-072-3:05 p.m.
 Swann-Quinn, Jesse, Wednesday-057-8:00 a.m., Saturday-019-9:55 a.m., Saturday-019-8:00 a.m., Wednesday-057-9:55 a.m., Saturday-019-3:05 p.m.
 Swanson, Kate, Saturday-069-8:00 a.m., Saturday-010-5:00 p.m., Saturday-088-3:05 p.m., Saturday-058-5:00 p.m.
 Swanson, Melissa, Friday-043.4-8:00 a.m.
 Swanson, Nathan, Saturday-087-5:00 p.m.
 Sweeney, Stuart, Friday-027-3:05 p.m., Friday-027-5:00 p.m., Friday-056-3:05 p.m.
 Swift, Austin, Friday-043.2-8:00 a.m.
 Swift, Jennifer, Thursday-011-8:00 a.m.
 Swindle, Adrienne, Friday-043.4-3:05 p.m.
 Swobodzinski, Martin, Thursday-072-5:00 p.m., Friday-074-5:00 p.m.
 Syal, Shruti, Friday-018-3:05 p.m.
 Sylak-Glassman, Emily, Thursday-052-8:00 a.m.
 Sylvester, Ben, Thursday-001-8:00 a.m.
 Sypion Dutkowska, Natalia, Sunday-069-2:00 p.m.
 Szabó, Norbert, Thursday-081-8:00 a.m.
 Szepes, Alexis, Friday-082-9:55 a.m.
 Sziarto, Kristin, Friday-016-9:55 a.m., Saturday-092-3:05 p.m., Saturday-092-5:00 p.m.
 Szpakowski, David, Thursday-043.3-9:55 a.m.

T

Ta, Na, Friday-060-5:00 p.m., Friday-047-8:00 a.m.
 Tahedl, Julia, Saturday-097-5:00 p.m.
 Tait, James, Saturday-072-9:55 a.m.
 Talen, Emily, Thursday-087-5:00 p.m., Sunday-025-2:00 p.m., Friday-021-9:55 a.m.
 Tamarkin, Noah, Thursday-033-5:00 p.m.
 Tan, Jacen, Wednesday-081-8:00 a.m.
 Tan, Jonathan, Saturday-053-9:55 a.m.
 Tan, Li, Friday-099-8:00 a.m.
 Tan, Ronghui, Thursday-019-3:05 p.m.
 Tan, Shin Bin, Thursday-020-1:10 p.m.
 Tan, Su-Yin, Friday-048-5:00 p.m., Thursday-091-1:10 p.m., Sunday-069-9:55 a.m.
 Tan, Xiaoyue, Thursday-091-3:05 p.m.
 Tan, Xicheng, Friday-043.1-8:00 a.m.
 Tan, Yi Rong, Sunday-089-2:00 p.m.
 Tan, Yiming, Friday-043.2-9:55 a.m., Friday-060-5:00 p.m., Wednesday-089-12:40 p.m.
 Tan, Yining, Friday-026-1:10 p.m., Friday-026-3:05 p.m., Friday-026-5:00 p.m., Thursday-089-5:00 p.m.
 Tang, Dorothy, Friday-006-8:00 a.m.
 Tang, Wenwu, Thursday-035-5:00 p.m., Thursday-097-3:05 p.m., Friday-033-8:00 a.m., Thursday-047-5:00 p.m., Saturday-034-1:10 p.m., Sunday-054-9:55 a.m.
 Tao, Jianping, Saturday-024-1:10 p.m.
 Tao, Ran, Thursday-018-1:10 p.m., Saturday-091-3:05 p.m., Saturday-034-9:55 a.m.
 Tao, Shiqi, Sunday-070-8:00 a.m., Thursday-088-1:10 p.m.
 Tao, Yinhua, Friday-056-5:00 p.m., Thursday-053-9:55 a.m., Friday-053-9:55 a.m., Saturday-053-9:55 a.m.
 Tao, Yu, Saturday-086-5:00 p.m.
 Tapp, Renee, Saturday-097-8:00 a.m., Saturday-097-9:55 a.m., Saturday-097-1:10 p.m., Sunday-036-8:00 a.m.
 Taraporevala, Persis, Friday-037-9:55 a.m.
 Tardiff, Samuel, Sunday-050-9:55 a.m.
 Tarhule, Aondover, Saturday-049-5:00 p.m., Friday-058-8:00 a.m.
 Tarr, Alexander, Friday-084-3:05 p.m., Saturday-068-5:00 p.m.
 Taru, Taru, Thursday-009-1:10 p.m.
 Tasch, Jeremy, Friday-103-9:55 a.m., Saturday-019-5:00 p.m., Friday-103-1:10 p.m., Saturday-019-3:05 p.m.
 Tatalovich, Zaria, Thursday-061-9:55 a.m.
 Tate, Eric, Thursday-004-1:10 p.m.

PARTICIPANT INDEX

- Tate, Nicholas, Thursday-065-5:00 p.m.
 Tauran, Tauran, Friday-039-3:05 p.m.
 TAVES, ILANAH, Thursday-098-9:55 a.m., Friday-094-9:55 a.m.
 Taylor, Alan, Thursday-094-8:00 a.m., Thursday-094-9:55 a.m., Thursday-094-1:10 p.m.
 Taylor, Jacob, Saturday-043.3-9:55 a.m.
 Taylor, Kendra, Thursday-064-9:55 a.m., Saturday-069-1:10 p.m.
 Taylor, Laura, Sunday-091-8:00 a.m.
 Taylor, Matthew, Wednesday-050-4:30 p.m., Wednesday-074-9:55 a.m.
 Taylor, Nandi, Thursday-043.2-3:05 p.m.
 Taylor, Nicholas, Wednesday-039-2:35 p.m.
 Taylor, Sierra, Thursday-043.1-8:00 a.m.
 Taylor, Zachary, Friday-043.1-3:05 p.m.
 Tayyebi, Amin, Friday-041-9:55 a.m., Friday-041-1:10 p.m.
 Teale, Natalie, Wednesday-072-8:00 a.m., Friday-061-8:00 a.m.,
 Wednesday-069-2:35 p.m., Friday-061-9:55 a.m., Thursday-052-1:10 p.m.
 Teixeira, Carlos, Thursday-028-1:10 p.m., Friday-090-3:05 p.m.
 Tella, Samson, Saturday-092-9:55 a.m.
 Temes, Alexander, Friday-048-9:55 a.m.
 Tenenbaum, Howard, Thursday-074-8:00 a.m.
 Tennent, Janet, Friday-043.1-9:55 a.m.
 TER MINASSIAN, Hovig, Thursday-100-9:55 a.m.
 Teräs, Jukka, Thursday-081-1:10 p.m., Friday-057-1:10 p.m.
 Terbeck, Fabian, Saturday-043.3-9:55 a.m.
 Teresa, Benjamin, Thursday-036-3:05 p.m., Saturday-098-1:10 p.m.,
 Saturday-098-9:55 a.m., Saturday-098-8:00 a.m.
 Tereszkiewicz, Peter, Saturday-072-9:55 a.m., Saturday-072-1:10 p.m.,
 Saturday-072-8:00 a.m., Saturday-072-3:05 p.m.
 Ter-Ghazaryan, Diana, Saturday-088-3:05 p.m., Saturday-058-5:00 p.m.
 Terkenli, Theano, Saturday-005-8:00 a.m., Friday-100-3:05 p.m.,
 Thursday-017-5:00 p.m.
 Terrell, Katharine, Thursday-017-3:05 p.m.
 Terry, William, Thursday-043.1-1:10 p.m.
 Tesfaye, Yihenew, Thursday-047-1:10 p.m.
 Tetrault, Robert, Saturday-056-1:10 p.m.
 Tettey-Fio, Eugene, Friday-026-5:00 p.m.
 Thai, Eric, Friday-043.1-3:05 p.m.
 Thakur, Gautam, Friday-091-8:00 a.m., Thursday-097-8:00 a.m., Thursday-097-9:55 a.m.,
 Saturday-103-1:10 p.m., Saturday-049-1:10 p.m.
 Thakur, Rajiv, Wednesday-069-12:40 p.m., Thursday-010-5:00 p.m.,
 Saturday-007-8:00 a.m.
 Thakur, Sudhir, Thursday-028-8:00 a.m.
 Thakur, Vikramaditya, Thursday-009-9:55 a.m.
 Thapa, Bhuwan, Saturday-043.3-9:55 a.m.
 Thatcher, James, Saturday-093-5:00 p.m., Thursday-051-5:00 p.m.,
 Thursday-060-5:00 p.m., Thursday-080-1:10 p.m., Thursday-041-8:00 a.m.
 Thayer, Gwendolyn, Friday-043.3-3:05 p.m.
 Thayer, Nathan, Saturday-067-3:05 p.m.
 Thebpanya, Paporn, Saturday-043.3-9:55 a.m.
 Theobald, Rebecca, Thursday-068-9:55 a.m., Friday-069-8:00 a.m.,
 Saturday-047-8:00 a.m.
 Theodore, Nik, Saturday-036-3:05 p.m., Sunday-084-8:00 a.m., Thursday-095-5:00 p.m.
 Thieme, Alison, Sunday-028-3:55 p.m.
 Thomas, Deborah, Saturday-020-1:10 p.m., Saturday-068-1:10 p.m.,
 Saturday-088-5:00 p.m.
 Thomas, Kimberley, Friday-055-1:10 p.m., Sunday-020-8:00 a.m.,
 Wednesday-009-12:40 p.m.
 Thomas, Mair, Thursday-043.2-3:05 p.m.
 Thomas, Ryan, Sunday-091-9:55 a.m.
 Thomas, Yonette, Friday-081-5:00 p.m., Thursday-053-1:10 p.m., Friday-005-3:05 p.m.,
 Saturday-053-1:10 p.m., Wednesday-041-12:40 p.m.
 THOMAS BOUCHON, Rachel, Friday-094-1:10 p.m., Friday-094-3:05 p.m.
 Thomas-Hope, Elizabeth, Thursday-099-5:00 p.m.
 Thompson, Carolyn, Saturday-009-8:00 a.m.
 Thompson, Daniel, Wednesday-038-8:00 a.m.
 Thompson, Deborah, Thursday-087-8:00 a.m.
 Thompson, Emily, Friday-043.1-1:10 p.m., Saturday-062-9:55 a.m.
 Thompson, Ian, Friday-043.5-8:00 a.m.
 Thompson, Ki'Amber, Thursday-043.5-1:10 p.m.
 Thomson, Allison, Friday-066-1:10 p.m.
 Thomson, Ryan, Saturday-064-3:05 p.m.
 Thomson, Sophie-Min, Thursday-043.2-9:55 a.m.
 Thornburg, Gina, Saturday-074-3:05 p.m., Saturday-074-5:00 p.m.
 Thorpe, Benjamin, Saturday-098-3:05 p.m., Saturday-098-5:00 p.m.
 Thorpe, Kristin, Friday-043.1-8:00 a.m.
 Thuraiajah, Tanuja, Saturday-001-8:00 a.m.
 Tian, Beichen, Friday-033.5-8:00 a.m.
 Tian, Junfeng, Saturday-028-8:00 a.m.
 Tian, Qing, Saturday-020-5:00 p.m.
 Tian, Ye, Friday-073-8:00 a.m.
 Tian, Yuanyuan, Wednesday-067-9:55 a.m.
 TIAN, LIU, Thursday-083-3:05 p.m.
 TIAN, NA, Sunday-054-2:00 p.m.
 Tichaawa, Tembi, Saturday-005-9:55 a.m., Wednesday-037-2:35 p.m.,
 Saturday-005-3:05 p.m.
 Tiefenbacher, John, Friday-026-8:00 a.m.
 Tien, Tracy, Saturday-043.1-8:00 a.m.
 Tiley, Gillian, Thursday-022-3:05 p.m.
 Tillotson, Matthew, Friday-017-8:00 a.m.
 Timmers, Beth, Thursday-101-8:00 a.m.
 Timofeyeva-Livezey, Marina, Sunday-086-8:00 a.m.
 Titanski-Hooper, Jennifer, Thursday-069-8:00 a.m., Friday-068-3:05 p.m.,
 Wednesday-037-4:30 p.m.
 Tithi, Bidita, Friday-009-8:00 a.m., Friday-048-3:05 p.m., Friday-023-5:00 p.m.
 Titlow, Kyle, Sunday-080-2:00 p.m.
 Tiwari, Chetan, Thursday-043.2-3:05 p.m., Thursday-053-5:00 p.m.,
 Friday-009-5:00 p.m.
 Tiwari, Sweta, Thursday-033.5-5:00 p.m.
 Toal, Gerard, Saturday-018-8:00 a.m., Friday-019-5:00 p.m., Sunday-066-9:55 a.m.
 Tobin, Graham, Friday-043.4-3:05 p.m.
 Tochtermann, Brian, Saturday-006-9:55 a.m.
 Todd, Zoe, Friday-086-9:55 a.m.
 Toivakka, Maija, Wednesday-058-4:30 p.m.
 Toivonen, Tuuli, Friday-098-9:55 a.m., Wednesday-068-8:00 a.m.,
 Wednesday-089-4:30 p.m., Saturday-103-5:00 p.m.
 Tokosh, Joe, Thursday-074-9:55 a.m.
 Tolbert, Frank, Saturday-043.2-8:00 a.m.
 Tollefsen, Andreas Foroe, Thursday-057-9:55 a.m.
 Tollis, Claire, Saturday-093-3:05 p.m.
 Tolosa, Melissa, Friday-024-5:00 p.m.
 Tomaney, John, Wednesday-065-4:30 p.m., Sunday-036-9:55 a.m.
 Tome, Emma, Thursday-090-9:55 a.m.
 TOMITA, ATSUSHI, Saturday-048-3:05 p.m.
 Tomlinson, Phil, Friday-067-5:00 p.m.
 Tong, Daoqin, Friday-004-1:10 p.m., Thursday-065-1:10 p.m., Saturday-034-8:00 a.m.,
 Saturday-034-9:55 a.m., Saturday-034-1:10 p.m., Thursday-021-9:55 a.m.
 Tong, Weitian, Wednesday-055-12:40 p.m.
 Toomey, Michael, Friday-043.2-8:00 a.m.
 TOPAK, OZGUN, Wednesday-007-2:35 p.m.
 Topmiller, Michael, Thursday-043.2-3:05 p.m.
 Torbjornsson, Tomas, Wednesday-051-4:30 p.m.
 Torchio, Paige, Thursday-043.2-1:10 p.m.
 Torkelson, Erin, Friday-103-3:05 p.m., Friday-103-5:00 p.m.
 Tornabene, Sara, Thursday-074-8:00 a.m.
 Toro, Francisco, Saturday-064-3:05 p.m., Saturday-064-1:10 p.m.
 Toro, Matthew, Friday-093-1:10 p.m.
 Torres, Hannah, Friday-043.4-1:10 p.m., Saturday-040-5:00 p.m.,
 Saturday-072-9:55 a.m., Saturday-072-8:00 a.m., Friday-025-5:00 p.m.,
 Friday-086-5:00 p.m., Saturday-002-3:05 p.m.
 Torres, Jose, Saturday-043.3-9:55 a.m.
 Torres, Rebecca, Wednesday-088-4:30 p.m., Friday-043.4-1:10 p.m.
 Torres, Tanya, Friday-073-1:10 p.m.
 Torres, Yair, Friday-043.4-8:00 a.m.
 Toulch, Michael, Wednesday-039-2:35 p.m.
 Tovar, Antonio, Thursday-043.2-3:05 p.m.
 Tozer, Laura, Saturday-038-8:00 a.m., Saturday-038-9:55 a.m.,
 Wednesday-084-12:40 p.m.
 Traldi, Rebecca, Thursday-035-8:00 a.m.
 Tran, Lam, Saturday-060-8:00 a.m., Sunday-056-3:55 p.m.

PARTICIPANT INDEX

Tran, Liem, Saturday-060-8:00 a.m., Thursday-035-5:00 p.m., Thursday-066-8:00 a.m., Sunday-056-2:00 p.m., Sunday-056-3:55 p.m., Wednesday-033.5-4:30 p.m.
 Tran, Phoebe, Saturday-060-8:00 a.m., Sunday-056-3:55 p.m.
 Tranos, Emmanouil, Friday-056-9:55 a.m., Saturday-050-9:55 a.m., Sunday-088-8:00 a.m.
 Trautenberg Frick, Karen, Saturday-008-8:00 a.m.
 Travis, Charles, Wednesday-057-9:55 a.m., Saturday-025-1:10 p.m.
 Tregaskis, Kat, Friday-043.4-8:00 a.m.
 Trepal, Dan, Thursday-048-8:00 a.m., Saturday-004-8:00 a.m.
 Trepanier, Jill, Friday-052-9:55 a.m., Wednesday-072-12:40 p.m., Saturday-033.5-9:55 a.m.
 Treskon, Mark, Saturday-003-9:55 a.m., Thursday-100-5:00 p.m.
 Tretjakova, Vaida, Friday-089-1:10 p.m.
 Tretter, Eliot, Friday-036-3:05 p.m., Thursday-051-5:00 p.m., Thursday-036-3:05 p.m., Saturday-039-1:10 p.m.
 Trevino, Anna, Wednesday-069-2:35 p.m.
 Treviño-Peña, Melva, Friday-068-3:05 p.m., Sunday-058-9:55 a.m., Sunday-058-2:00 p.m., Sunday-058-3:55 p.m.
 Tribby, Calvin, Thursday-043.3-3:05 p.m.
 Trigoso Rubio, Erika, Thursday-016-5:00 p.m.
 Trimarchi, Marianna, Friday-084-5:00 p.m.
 Trimble, Sarah, Thursday-033.5-3:05 p.m.
 Tripathi, Arun, Friday-018-1:10 p.m.
 Trippl, Michaela, Friday-001-8:00 a.m., Saturday-095-1:10 p.m., Saturday-095-3:05 p.m., Friday-001-9:55 a.m., Friday-001-1:10 p.m., Friday-001-3:05 p.m., Saturday-095-5:00 p.m.
 Tripuraneni, Vaishnavi, Sunday-090-2:00 p.m.
 Trombley, Jeremy, Sunday-053-3:55 p.m.
 Trombley, Nathan, Thursday-089-9:55 a.m., Thursday-089-8:00 a.m.
 Trubina, Elena, Saturday-092-9:55 a.m.
 Trudeau, Daniel, Saturday-080-8:00 a.m., Wednesday-032-4:30 p.m., Thursday-027-9:55 a.m., Thursday-027-8:00 a.m.
 Truedsson, Carl, Friday-008-8:00 a.m., Saturday-008-8:00 a.m.
 Truelove, Yaffa, Thursday-009-9:55 a.m., Thursday-009-1:10 p.m., Saturday-028-5:00 p.m., Friday-018-5:00 p.m., Friday-101-8:00 a.m.
 Truffello Robledo, Ricardo, Friday-089-8:00 a.m.
 Trumbull, Nathaniel, Friday-043.2-9:55 a.m., Saturday-043.3-9:55 a.m.
 Truong, Jasmine, Wednesday-038-2:35 p.m.
 Trush, Sadie, Saturday-066-8:00 a.m.
 Trygg, Kristina, Wednesday-091-8:00 a.m.
 Trygg, Louise, Thursday-064-3:05 p.m.
 Tsai, Dustin, Wednesday-083-4:30 p.m.
 Tsai, Shu-Wei, Sunday-002-8:00 a.m.
 Tsai, Yung-Ming, Thursday-091-1:10 p.m.
 TSAI, YEN-HUI, Friday-043.1-8:00 a.m.
 Tsang, Yuen, Saturday-043.1-8:00 a.m.
 Tse, Justin, Wednesday-082-2:35 p.m., Wednesday-082-9:55 a.m.
 Tsegaye, Kaleb, Thursday-043.3-9:55 a.m.
 Tseng, Yu-shan, Friday-084-5:00 p.m.
 TSENG, YI-CHIH, Saturday-043.2-8:00 a.m.
 Tsou, Ming-Hsiang, Wednesday-001-12:40 p.m., Saturday-091-1:10 p.m., Wednesday-001-2:35 p.m., Friday-047-9:55 a.m., Thursday-035-9:55 a.m.
 Tsuchida, Masayo, Saturday-043.1-8:00 a.m.
 Tsukamoto, Akihiro, Saturday-043.3-9:55 a.m.
 Tu, Shuang-shuang, Saturday-024-1:10 p.m.
 Tu, Wei, Saturday-091-3:05 p.m., Sunday-054-9:55 a.m., Friday-056-8:00 a.m.
 TU, YUANJIE, Thursday-019-3:05 p.m.
 Tubb, Daniel, Thursday-012-3:05 p.m.
 Tubbeh, Ramzi, Thursday-022-8:00 a.m.
 Tubi, Amit, Saturday-061-3:05 p.m.
 Tuccillo, Joseph, Friday-048-5:00 p.m.
 Tucker, Andrew, Thursday-031-8:00 a.m.
 Tucker, Catherine, Friday-072-8:00 a.m., Friday-072-1:10 p.m., Friday-072-3:05 p.m.
 Tucker, Clay, Wednesday-072-12:40 p.m., Thursday-023-9:55 a.m.
 Tucker, Jennifer, Sunday-084-3:55 p.m., Saturday-004-1:10 p.m., Saturday-004-3:05 p.m., Saturday-004-5:00 p.m., Friday-101-3:05 p.m., Wednesday-092-4:30 p.m.
 Tulowiecki, Steve, Wednesday-056-9:55 a.m.
 Tuokuu, Francis Xavier, Thursday-025-1:10 p.m.
 Turcu, Catalina, Thursday-095-8:00 a.m., Thursday-095-9:55 a.m.

Tureli, AYSENUK, Sunday-055-9:55 a.m.
 Turesky, Marisa, Friday-005-9:55 a.m.
 Turker, Kaner, Saturday-026-3:05 p.m.
 Turley, Bethani, Thursday-022-8:00 a.m.
 Turnbull, Jonathon, Saturday-023-1:10 p.m.
 Turner, Andrew, Thursday-054-5:00 p.m., Thursday-035-9:55 a.m.
 Turner, Daniel, Wednesday-039-9:55 a.m.
 Turner, V. Kelly, Friday-056-1:10 p.m., Friday-066-9:55 a.m.
 Turnure, Jim, Friday-048-9:55 a.m.
 Tuttle, Aliza, Sunday-016-9:55 a.m.
 Tutu, Raymond, Saturday-063-8:00 a.m., Sunday-072-8:00 a.m., Sunday-027-2:00 p.m.
 Tuyisenge, Germaine, Friday-027-8:00 a.m., Friday-043.4-1:10 p.m.
 Tykkylainen, Markku, Friday-055-3:05 p.m.
 Tyner, James, Saturday-084-8:00 a.m., Friday-012-1:10 p.m., Saturday-003-1:10 p.m., Sunday-067-8:00 a.m., Thursday-054-8:00 a.m., Sunday-020-3:55 p.m., Friday-012-3:05 p.m., Saturday-062-9:55 a.m., Thursday-043.4-9:55 a.m.
 Tyner, Judith, Saturday-009-5:00 p.m.

U

Ubarevičienė, Rūta, Sunday-005-9:55 a.m., Friday-089-1:10 p.m.
 Udit, Tasnuva, Wednesday-058-12:40 p.m.
 Ueland, Jeffrey, Thursday-052-9:55 a.m.
 Uitto, Juha, Thursday-032-3:05 p.m., Wednesday-049-4:30 p.m.
 Uko, Emmanuel, Thursday-033.5-9:55 a.m.
 Umar, Faisal, Thursday-039-9:55 a.m.
 Underwood, Christopher, Friday-043.1-3:05 p.m., Thursday-043.1-8:00 a.m., Thursday-023-9:55 a.m., Thursday-052-3:05 p.m.
 Underwood, Robert, Saturday-089-8:00 a.m.
 Unks, Ryan, Thursday-054-8:00 a.m.
 Upadhaya, Suraj, Thursday-062-8:00 a.m.
 Urban, Michael, Saturday-102-1:10 p.m., Saturday-058-1:10 p.m.
 Urcuqui B, Andres M, Friday-084-9:55 a.m.
 Ursic, Matjaz, Sunday-093-8:00 a.m., Sunday-093-9:55 a.m.
 Usery, E. Lynn, Wednesday-032-9:55 a.m.

V

Vaartjes, Ilonca, Thursday-057-9:55 a.m.
 Vadjunec, Jacqueline, Friday-009-3:05 p.m., Thursday-032-1:10 p.m., Thursday-065-8:00 a.m., Saturday-054-5:00 p.m., Wednesday-054-4:30 p.m., Thursday-065-9:55 a.m., Saturday-070-3:05 p.m., Friday-009-1:10 p.m.
 Vadenais, Carolyn, Thursday-052-8:00 a.m.
 Vaidya, Anjanette, Wednesday-009-4:30 p.m.
 Vail, James, Wednesday-034-9:55 a.m.
 Väisänen, Tuomas, Friday-098-9:55 a.m.
 Vaishnava, Saumya, Thursday-009-9:55 a.m.
 Valdez, Felipe, Sunday-047-2:00 p.m.
 Valdivia, Gabriela, Saturday-073-9:55 a.m., Saturday-041-1:10 p.m., Friday-088-5:00 p.m., Saturday-041-3:05 p.m., Saturday-041-5:00 p.m.
 Vale, Hanover, Thursday-033.5-5:00 p.m.
 Vale, Mário, Friday-001-9:55 a.m., Saturday-095-5:00 p.m.
 Valencia, Laura, Thursday-086-3:05 p.m.
 Valencia, Yolanda, Friday-098-1:10 p.m., Friday-101-9:55 a.m.
 Valencia Torres, Angelica, Saturday-086-5:00 p.m.
 Valenzuela Perez, Leonardo, Thursday-099-9:55 a.m.
 Vallejo, Antonio, Friday-087-9:55 a.m.
 Valz Gris, Alberto, Sunday-048-8:00 a.m.
 Van Beynen, Philip, Friday-043.1-3:05 p.m.
 Van De Gevel, Saskia, Friday-043.1-3:05 p.m., Thursday-092-9:55 a.m., Thursday-041-1:10 p.m.
 Van Den Berg, Hanne, Thursday-063-8:00 a.m.
 Van Den Bold, Mara, Thursday-038-8:00 a.m.
 Van Der Wouden, Frank, Wednesday-081-4:30 p.m.
 Van Duyn, Sarah, Friday-047-3:05 p.m.
 Van Gemeren, Marco, Friday-043.3-1:10 p.m.
 Van Oort, Frank, Wednesday-081-4:30 p.m.

PARTICIPANT INDEX

- Van Oort, Teodora, Saturday-056-9:55 a.m.
 Van Panhuis, Wilbert, Wednesday-056-2:35 p.m., Friday-053-1:10 p.m.
 Van Patter, Lauren, Sunday-064-3:55 p.m., Sunday-040-9:55 a.m.
 Van Ramshorst, Jared, Sunday-005-8:00 a.m.
 Van Sant, Levi, Thursday-082-1:10 p.m., Thursday-082-3:05 p.m.
 Van Stokkum, Rebecca, Sunday-024-2:00 p.m.
 Van Veelen, Bregje, Thursday-088-3:05 p.m., Wednesday-039-2:35 p.m.
 Vanchan, Vida, Friday-094-5:00 p.m.
 Vandenberg, Jessica, Sunday-054-8:00 a.m.
 Vander Kelen, Amanda, Sunday-064-3:55 p.m.
 Vander Lugt, Russell, Thursday-043-6-1:10 p.m.
 Vandergeest, Peter, Friday-061-3:05 p.m., Sunday-058-3:55 p.m.
 Vanderheiden, Andrew, Friday-043-4-8:00 a.m.
 VanderWilde, Calli, Friday-043-1-1:10 p.m.
 Vandewalle, Rebecca, Friday-033-9:55 a.m.
 Vang, Jan, Saturday-092-1:10 p.m.
 Vang, Pa Zong, Friday-058-8:00 a.m.
 Vang, Teng Keng, Friday-043-1-3:05 p.m., Friday-033-5-8:00 a.m.
 Vanhatalo, Jaana, Saturday-043-3-9:55 a.m.
 VanHorn, Jason, Saturday-009-5:00 p.m., Friday-064-8:00 a.m., Thursday-057-3:05 p.m.
 Vanik, Leonor, Sunday-074-8:00 a.m.
 VanLooy, Jeffrey, Thursday-033-5-1:10 p.m.
 Vanni, Francesco, Saturday-039-8:00 a.m., Saturday-033-5-1:10 p.m., Saturday-039-9:55 a.m.
 VanSchoick, Sarah, Thursday-043-1-8:00 a.m.
 Vardi Topal, Hanife, Saturday-010-1:10 p.m.
 Varsanyi, Monica, Friday-008-1:10 p.m., Friday-008-3:05 p.m., Friday-008-5:00 p.m.
 Vasudevan, Pavithra, Wednesday-069-8:00 a.m., Thursday-019-8:00 a.m., Thursday-084-3:05 p.m.
 Vasudevan, Raksha, Saturday-093-1:10 p.m.
 Vathi, Zana, Sunday-081-3:55 p.m.
 Vaziri, Mehrdad, Wednesday-032-12:40 p.m.
 Vaz-Jones, Laura, Friday-101-8:00 a.m.
 Vazquez, Samuel, Wednesday-053-2:35 p.m.
 Veeck, Gregory, Friday-022-5:00 p.m.
 Velasco, Gabriella, Sunday-051-9:55 a.m., Friday-063-5:00 p.m.
 Velazquez Duran, Victor, Saturday-033-1:10 p.m., Friday-062-8:00 a.m.
 Velednitsky, Stepha, Saturday-043-3-8:00 a.m., Wednesday-057-2:35 p.m., Wednesday-057-4:30 p.m.
 Velez, Thelma, Wednesday-035-12:40 p.m.
 Vencill, Alexander, Friday-043-1-1:10 p.m.
 VENIGALLA, LASYA, Saturday-062-1:10 p.m.
 Venkataramani, Chitra, Friday-018-9:55 a.m.
 Vera-Martin, Ana, Thursday-016-9:55 a.m.
 Verdeil, Eric, Friday-092-8:00 a.m.
 Vergara Arribas, Nicolas, Thursday-021-9:55 a.m.
 Verma, Kanika, Thursday-036-5:00 p.m.
 Veron, Rene, Thursday-009-1:10 p.m.
 Vertovec, Steven, Thursday-016-1:10 p.m.
 Vicol, Dora-Olivia, Saturday-102-1:10 p.m.
 Vidon, Elizabeth, Sunday-086-2:00 p.m., Friday-080-9:55 a.m., Sunday-086-3:55 p.m.
 Vikas, Mayank, Thursday-086-5:00 p.m.
 Vila Benites, Gisselle, Thursday-073-5:00 p.m.
 Vila Vázquez, José, Saturday-101-9:55 a.m.
 Vilaça, Luiz, Wednesday-084-9:55 a.m.
 Viles, Heather, Wednesday-002-6:20 p.m., Thursday-039-3:05 p.m.
 Villamizar-Santamaría, Sebastián, Thursday-022-3:05 p.m.
 Villanueva, Joaquin, Friday-031-8:00 a.m., Thursday-007-1:10 p.m., Friday-086-1:10 p.m., Wednesday-003-2:35 p.m.
 Villena Sanchez, Jessica, Sunday-016-8:00 a.m., Sunday-016-9:55 a.m.
 Vincent, Paul, Friday-043-4-8:00 a.m.
 Vine, Michael, Saturday-100-9:55 a.m.
 Visser, Anne, Friday-083-1:10 p.m.
 Vitale, Patrick, Saturday-006-8:00 a.m., Saturday-006-9:55 a.m.
 Vlahos, George, Saturday-033-5-1:10 p.m., Saturday-039-9:55 a.m.
 Voeks, Robert, Sunday-086-9:55 a.m.
 Vogel, Eve, Friday-032-5:00 p.m.
 Vogel, Thomas, Sunday-063-8:00 a.m., Sunday-057-3:55 p.m.
 Vogler, Emily, Sunday-050-9:55 a.m., Sunday-050-2:00 p.m.
 Vogt, Brandon, Friday-072-5:00 p.m.
 Volfova, Martina, Friday-098-9:55 a.m.
 Volker, Jamey, Saturday-024-9:55 a.m.
 Von Mahs, Jurgén, Sunday-081-3:55 p.m.
 Von Reichert, Christiane, Thursday-043-2-3:05 p.m., Friday-043-4-1:10 p.m.
 VonHedemann, Niki, Friday-084-8:00 a.m.
 VOORHEES, JAMEY, Saturday-043-2-8:00 a.m.
 Vorhaus, Molly, Friday-043-2-3:05 p.m.
 Vorley, Tim, Saturday-095-1:10 p.m., Sunday-088-9:55 a.m., Sunday-088-8:00 a.m.
 Vorotyntseva, Natalia, Saturday-043-3-9:55 a.m.
 Vos, Robert, Wednesday-083-12:40 p.m.
 Voss, Rachel, Sunday-072-8:00 a.m.
 Vyas, Priyanka, Saturday-043-2-8:00 a.m.
- ## W
- Wachowicz, Lori, Friday-052-8:00 a.m.
 Wachsmuth, David, Saturday-038-8:00 a.m., Wednesday-012-8:00 a.m.
 Waddoups, Madeleine, Friday-006-9:55 a.m.
 Wade, Katie, Wednesday-049-12:40 p.m.
 Waggoner, Amanda, Friday-088-1:10 p.m., Thursday-043-3-9:55 a.m.
 Wagner, Lauren, Friday-095-9:55 a.m., Wednesday-094-2:35 p.m.
 Wagner, Madeleine, Friday-064-9:55 a.m., Wednesday-094-8:00 a.m.
 Waight, Emma, Thursday-034-3:05 p.m.
 Wainwright, Joel, Friday-061-5:00 p.m., Saturday-006-5:00 p.m.
 Waite, Jacqueline, Friday-033-5-9:55 a.m.
 Waite, Louise, Thursday-087-9:55 a.m., Thursday-087-1:10 p.m.
 Wakefield, Stephanie, Sunday-072-9:55 a.m., Thursday-012-8:00 a.m., Thursday-012-9:55 a.m., Thursday-050-1:10 p.m.
 Walcott-Wilson, Emma, Wednesday-093-4:30 p.m.
 Wald, Marissa, Thursday-031-5:00 p.m., Thursday-069-9:55 a.m.
 Waldman, Devra, Wednesday-038-9:55 a.m.
 Waldman, Kurt, Thursday-060-8:00 a.m., Sunday-091-9:55 a.m., Friday-066-9:55 a.m.
 Walenta, Jayme, Friday-063-5:00 p.m., Saturday-092-8:00 a.m.
 Walker, Anthony, Thursday-033-5-5:00 p.m.
 Walker, Gordon, Thursday-084-5:00 p.m., Wednesday-084-12:40 p.m.
 Walker, James, Friday-067-1:10 p.m.
 Walker, Johnathan, Friday-043-4-1:10 p.m.
 Walker, Morgan, Friday-043-2-3:05 p.m.
 Walker, Peter, Thursday-093-1:10 p.m., Friday-028-5:00 p.m.
 Walker, Richard, Thursday-092-1:10 p.m., Friday-036-3:05 p.m., Saturday-068-5:00 p.m., Sunday-089-3:55 p.m.
 Walker, Robert, Thursday-103-8:00 a.m., Friday-032-1:10 p.m.
 Wall, Tyler, Thursday-084-8:00 a.m., Sunday-051-3:55 p.m.
 Wallace, Ryan, Friday-020-1:10 p.m.
 Wallace, Zebulon, Friday-043-3-1:10 p.m.
 Wallach, Jennifer, Saturday-070-8:00 a.m.
 Walling, Dayne, Saturday-043-3-9:55 a.m.
 Walsey, Victoria, Friday-102-9:55 a.m.
 Walsh, Kathryn, Sunday-094-9:55 a.m.
 Walsh-Dilley, Marygold, Sunday-041-8:00 a.m., Friday-100-8:00 a.m.
 Walter, Andy, Sunday-004-9:55 a.m., Wednesday-037-2:35 p.m.
 Walter, Matthew, Saturday-043-3-9:55 a.m.
 Walters, Jonah, Friday-027-1:10 p.m., Saturday-026-5:00 p.m.
 Walther, Olivier, Friday-092-9:55 a.m.
 Walther, Suzanne, Friday-033-5-5:00 p.m., Saturday-047-9:55 a.m., Saturday-072-8:00 a.m.
 Walton-Roberts, Margaret, Thursday-043-2-3:05 p.m., Saturday-039-1:10 p.m., Wednesday-036-2:35 p.m.
 Wan, Heng, Thursday-062-8:00 a.m.
 Wan, Neng, Thursday-057-8:00 a.m.
 Wan, Shitian, Friday-043-4-3:05 p.m.
 Wang, Chi-Mao, Sunday-038-2:00 p.m.
 Wang, Chongming, Saturday-048-8:00 a.m.
 Wang, Chuyuan, Friday-033-5-1:10 p.m., Thursday-027-8:00 a.m.
 Wang, Congxiao, Saturday-086-8:00 a.m.
 Wang, Dongdong, Wednesday-074-4:30 p.m.
 Wang, Donggen, Friday-060-3:05 p.m., Friday-060-5:00 p.m., Thursday-021-3:05 p.m.,

PARTICIPANT INDEX

- Sunday-053-9:55 a.m.
Wang, Enru, Thursday-089-3:05 p.m.
Wang, Fahui, Friday-055-8:00 a.m., Friday-055-3:05 p.m., Thursday-043.3-3:05 p.m.
Wang, Fei, Thursday-097-3:05 p.m.
Wang, Guangxing, Wednesday-073-9:55 a.m.
Wang, He, Friday-099-3:05 p.m.
Wang, Huan, Friday-043.2-9:55 a.m.
Wang, Hui, Thursday-043.1-8:00 a.m.
Wang, Jia, Saturday-055-5:00 p.m.
Wang, Jin, Saturday-047-9:55 a.m.
Wang, Jinfeng, Friday-099-8:00 a.m., Sunday-056-2:00 p.m.
Wang, Jing, Wednesday-089-8:00 a.m., Thursday-062-9:55 a.m.
Wang, Jing'ai, Friday-043.2-9:55 a.m., Thursday-048-1:10 p.m., Saturday-054-8:00 a.m.
Wang, Jingyu, Thursday-054-3:05 p.m.
Wang, Juanle, Thursday-035-3:05 p.m.
Wang, Jue, Saturday-060-8:00 a.m., Friday-047-9:55 a.m., Thursday-053-3:05 p.m., Saturday-007-9:55 a.m.
Wang, Jun, Thursday-102-1:10 p.m., Wednesday-034-9:55 a.m., Wednesday-034-12:40 p.m., Friday-057-8:00 a.m.
Wang, Junsong, Thursday-086-1:10 p.m.
Wang, Lei, Saturday-072-8:00 a.m., Friday-049-3:05 p.m., Thursday-043.4-9:55 a.m.
Wang, Li, Friday-087-1:10 p.m., Thursday-072-8:00 a.m.
Wang, Lu, Thursday-043.2-3:05 p.m., Sunday-064-2:00 p.m.
Wang, Luyu, Saturday-090-1:10 p.m.
Wang, Nan, Friday-099-8:00 a.m.
Wang, Panshi, Thursday-072-8:00 a.m.
Wang, Roger, Thursday-097-1:10 p.m.
Wang, Runzi, Friday-049-8:00 a.m., Friday-065-8:00 a.m.
Wang, Shaohua, Wednesday-067-9:55 a.m., Friday-056-9:55 a.m., Thursday-021-5:00 p.m.
Wang, Shaojian, Thursday-086-9:55 a.m.
Wang, Shaowen, Thursday-091-8:00 a.m., Friday-033-3:05 p.m., Thursday-027-5:00 p.m., Thursday-035-3:05 p.m., Thursday-035-1:10 p.m., Thursday-060-9:55 a.m., Thursday-060-8:00 a.m., Saturday-031-8:00 a.m., Friday-033-1:10 p.m., Friday-033-8:00 a.m., Friday-033-5:00 p.m., Saturday-031-9:55 a.m., Saturday-031-1:10 p.m., Thursday-091-9:55 a.m., Thursday-091-3:05 p.m., Thursday-091-5:00 p.m.
Wang, Shuguang, Thursday-074-9:55 a.m.
Wang, Tian, Friday-090-1:10 p.m.
Wang, Tianyu, Saturday-086-3:05 p.m.
Wang, Weijing, Thursday-043.3-3:05 p.m.
Wang, Xi, Thursday-038-9:55 a.m.
Wang, Xiaoguang, Thursday-091-3:05 p.m.
Wang, Xiaohan, Thursday-043.1-8:00 a.m.
Wang, Xuanton, Saturday-060-8:00 a.m., Thursday-027-5:00 p.m., Thursday-017-1:10 p.m.
Wang, Xujiao, Thursday-057-9:55 a.m., Thursday-036-8:00 a.m.
Wang, Yan, Saturday-043.3-9:55 a.m.
Wang, Yi, Saturday-090-3:05 p.m., Sunday-060-2:00 p.m.
Wang, Yi-Chen, Wednesday-037-12:40 p.m., Sunday-056-8:00 a.m., Saturday-058-5:00 p.m.
Wang, Yifan, Friday-021-8:00 a.m.
Wang, Ying, Friday-099-8:00 a.m., Thursday-025-3:05 p.m., Thursday-025-5:00 p.m.
Wang, Yu Hsuan, Saturday-103-9:55 a.m.
Wang, Yuhao, Saturday-062-1:10 p.m.
Wang, Yuyi, Friday-101-8:00 a.m.
Wang, Zelin, Friday-010-9:55 a.m.
Wang, Zhanqi, Friday-099-8:00 a.m., Thursday-025-3:05 p.m., Thursday-025-5:00 p.m.
Wang, Zhaoxia, Thursday-025-3:05 p.m.
Wang, Zhe, Friday-043.2-9:55 a.m., Thursday-033.5-3:05 p.m.
Wang, Zhihao, Sunday-062-8:00 a.m.
Wang, Zhongyi, Saturday-020-9:55 a.m.
Wang, Zhuosen, Thursday-043.1-8:00 a.m., Friday-058-3:05 p.m.
Wang, Zifan, Saturday-034-8:00 a.m., Friday-043.2-1:10 p.m.
WANG, JINZI, Thursday-091-9:55 a.m.
WANG, LEIDI, Thursday-043.1-8:00 a.m.
WANG, Liang, Wednesday-049-4:30 p.m.
WANG, LU, Thursday-043.2-3:05 p.m., Sunday-064-2:00 p.m.
WANG, QIQI, Thursday-024-3:05 p.m.
WANG, SHUANG, Thursday-020-1:10 p.m.
WANG, ZENGLI, Thursday-039-9:55 a.m.
WANG, ZHE, Friday-043.2-9:55 a.m., Thursday-033.5-3:05 p.m.
WANXU, CHEN, Wednesday-073-9:55 a.m.
Wanyama, Dan, Saturday-033.5-9:55 a.m.
Wanyoike, Rosemary, Friday-033.5-9:55 a.m.
Waqas, Muhammad, Friday-043.2-9:55 a.m.
Ward, Ashley, Sunday-057-9:55 a.m.
Ward, Callum, Thursday-073-1:10 p.m., Saturday-032-1:10 p.m.
Ward, Jason, Thursday-058-3:05 p.m.
Ward, Kevin, Saturday-036-1:10 p.m., Saturday-081-8:00 a.m., Wednesday-065-4:30 p.m., Sunday-025-8:00 a.m.
Ward, Shelby, Friday-086-3:05 p.m.
Ward, Steven, Thursday-070-3:05 p.m.
Wardropper, Chloe, Saturday-101-1:10 p.m., Saturday-101-3:05 p.m.
Warf, Barney, Saturday-008-1:10 p.m., Friday-091-3:05 p.m., Friday-082-5:00 p.m.
Wargent, Matthew, Thursday-073-8:00 a.m.
Warner, Benjamin, Sunday-041-8:00 a.m., Friday-040-5:00 p.m., Sunday-041-9:55 a.m., Wednesday-050-12:40 p.m., Sunday-041-2:00 p.m.
Warner, Daniel, Thursday-043.4-9:55 a.m.
Warner, Mildred, Saturday-087-9:55 a.m., Friday-005-9:55 a.m., Friday-005-1:10 p.m.
Warren, Andrew, Sunday-038-3:55 p.m., Friday-001-5:00 p.m.
Warren, Jessica, Friday-043.1-9:55 a.m.
Warren, Matthew, Thursday-062-5:00 p.m.
Warren, Stacy, Thursday-028-5:00 p.m.
Waterman, Tim, Friday-100-3:05 p.m., Friday-060-8:00 a.m., Sunday-026-9:55 a.m.
Watrel, Robert, Saturday-008-1:10 p.m., Saturday-043.4-8:00 a.m.
Watson, Ana, Thursday-102-8:00 a.m.
Watson, Monty, Friday-043.3-3:05 p.m.
Watson, Sam, Friday-043.2-3:05 p.m.
Watt, Laura, Thursday-099-5:00 p.m.
Watts, Diana, Thursday-024-9:55 a.m.
Waugh-Quasebarth, Jasper, Sunday-038-3:55 p.m.
Way, Henry, Thursday-034-5:00 p.m.
Wayland, Joshua, Saturday-091-5:00 p.m.
Waylen, Michael, Thursday-103-9:55 a.m., Thursday-103-1:10 p.m., Friday-032-9:55 a.m.
Weaver, Andrew, Friday-005-9:55 a.m.
Weaver, Ariel, Saturday-101-5:00 p.m., Wednesday-037-12:40 p.m.
Weaver, Elizabeth, Sunday-056-8:00 a.m.
Webb, Hannah, Friday-028-8:00 a.m.
Webb, Michael, Sunday-074-8:00 a.m.
Webber, Sophie, Friday-061-5:00 p.m., Saturday-088-1:10 p.m., Friday-097-3:05 p.m.
Weber, Amanda, Friday-043.1-9:55 a.m., Saturday-037-3:05 p.m., Thursday-060-3:05 p.m.
Weber, Joe, Friday-080-8:00 a.m., Friday-080-9:55 a.m.
Weber, Rachel, Wednesday-065-4:30 p.m., Sunday-025-2:00 p.m., Friday-095-5:00 p.m.
Weber, Vanessa, Thursday-099-8:00 a.m.
Webster, Daniel, Thursday-057-1:10 p.m.
Webster, Dion, Friday-043.4-8:00 a.m.
Wei, Dongying, Friday-043.4-8:00 a.m.
Wei, Ran, Saturday-034-8:00 a.m., Saturday-034-9:55 a.m., Friday-047-9:55 a.m.
Wei, Xinyuan, Saturday-087-1:10 p.m.
Wei, Xuebin, Friday-091-8:00 a.m.
Wei, Yangjiixin, Friday-091-1:10 p.m.
Wei, Yehua Dennis, Thursday-086-8:00 a.m., Thursday-086-9:55 a.m., Thursday-086-1:10 p.m.
Weichelt, Ryan, Friday-004-1:10 p.m., Saturday-008-1:10 p.m., Saturday-043.4-8:00 a.m.
Weichold, Ivonne, Friday-049-9:55 a.m.
Weidemeyer, Thomas, Saturday-091-5:00 p.m.
Weidner, Silke, Sunday-020-2:00 p.m.
Weier, Jacklyn, Saturday-064-1:10 p.m.
Weil, Abraham, Wednesday-038-2:35 p.m.
Weilin, Xu, Saturday-082-8:00 a.m.
Weima, Yolanda, Wednesday-007-2:35 p.m., Friday-008-9:55 a.m., Saturday-061-1:10 p.m., Wednesday-007-4:30 p.m.
Weinstein, Liza, Friday-095-5:00 p.m.
Weir, Michael, Sunday-050-2:00 p.m.
Weisner, Meagan, Friday-083-9:55 a.m.

PARTICIPANT INDEX

- Weissman, Evan, Friday-088-3:05 p.m.
Welford, Mark, Thursday-063-1:10 p.m.
Weller, Sally, Saturday-050-8:00 a.m., Saturday-092-1:10 p.m.
Wells, Greta, Thursday-066-8:00 a.m.
Wells, Kathryn, Saturday-004-1:10 p.m., Saturday-004-5:00 p.m.
Wemple, Beverley, Friday-033.5-5:00 p.m.
Wen, Hu, Wednesday-034-9:55 a.m.
Wen, Lanjiao, Saturday-024-1:10 p.m.
Wen, Tian, Friday-043.1-8:00 a.m.
Wendeborn, Timothy, Saturday-043.3-9:55 a.m.
Wendel, Delia, Friday-018-8:00 a.m.
Wendel, Jochen, Thursday-023-8:00 a.m., Thursday-072-1:10 p.m.
Wenderlich, Michelle, Wednesday-084-2:35 p.m., Saturday-067-5:00 p.m.
Weng, Qihao, Friday-073-8:00 a.m., Thursday-058-8:00 a.m., Thursday-058-9:55 a.m., Thursday-058-1:10 p.m., Thursday-058-3:05 p.m., Thursday-058-5:00 p.m., Friday-058-5:00 p.m., Friday-058-3:05 p.m., Saturday-062-5:00 p.m., Friday-069-9:55 a.m.
Wenner, Fabian, Saturday-081-9:55 a.m.
Wentz, Elizabeth, Friday-033.5-1:10 p.m., Saturday-068-1:10 p.m., Friday-066-9:55 a.m., Saturday-068-8:00 a.m.
Wentzel, Cassandra, Friday-025-8:00 a.m.
Werner, Angela, Thursday-057-3:05 p.m., Friday-005-3:05 p.m.
Wernette, Phillipe, Friday-043.1-1:10 p.m.
Werth, Alex, Sunday-061-2:00 p.m., Thursday-019-8:00 a.m.
Wertman, John, Saturday-008-1:10 p.m., Saturday-053-3:05 p.m., Wednesday-007-12:40 p.m.
Wescoat, James, Friday-002-3:05 p.m.
Wessell, Jonathan, Thursday-016-3:05 p.m., Wednesday-051-4:30 p.m., Friday-039-1:10 p.m., Thursday-016-5:00 p.m., Friday-043.3-9:55 a.m., Saturday-037-8:00 a.m., Saturday-037-1:10 p.m., Saturday-037-3:05 p.m., Thursday-069-1:10 p.m., Saturday-037-9:55 a.m., Thursday-068-8:00 a.m., Friday-039-8:00 a.m., Thursday-069-9:55 a.m.
Westenhoff, Lindy, Thursday-100-9:55 a.m.
Westerkam, Henrik, Friday-069-5:00 p.m., Thursday-043.3-9:55 a.m.
Westermark, Åsa, Wednesday-091-8:00 a.m., Wednesday-091-2:35 p.m., Wednesday-091-9:55 a.m., Wednesday-091-12:40 p.m.
Western, John, Friday-043.1-9:55 a.m.
Westerveld, Levi, Thursday-043.3-9:55 a.m.
Westgard-Cruice, William, Friday-038-9:55 a.m.
Weston, Nicole, Saturday-043.3-9:55 a.m.
Weterings, Anet, Wednesday-081-4:30 p.m.
Wetherholt, William, Thursday-043.3-1:10 p.m.
Weule Chandler, Miles, Saturday-043.3-9:55 a.m.
Whalen, Daniel, Saturday-037-8:00 a.m., Saturday-037-3:05 p.m.
Whaley, Thomas, Thursday-061-1:10 p.m.
Whear, Jared, Friday-024-3:05 p.m.
Wheeler, Andrea, Friday-094-1:10 p.m.
Wheeler, Beverly, Thursday-101-1:10 p.m.
Wheeler, Brittany, Saturday-102-5:00 p.m., Friday-024-1:10 p.m., Friday-024-3:05 p.m.
Whelen, Tracy, Thursday-033.5-8:00 a.m.
White, Alissa, Wednesday-035-8:00 a.m.
White, George, Thursday-099-3:05 p.m.
White, Jonah, Friday-048-8:00 a.m., Thursday-019-3:05 p.m.
White, Justin, Friday-043.1-3:05 p.m., Friday-043.2-1:10 p.m.
White, Mia, Sunday-023-9:55 a.m., Friday-033.5-9:55 a.m.
White, Michael, Thursday-089-9:55 a.m.
White, Shannon, Thursday-070-5:00 p.m.
Whitehorne, James, Friday-004-3:05 p.m.
Whitesell, Dominica, Thursday-093-8:00 a.m., Friday-033.5-8:00 a.m., Sunday-036-3:55 p.m.
Whiteside, Heather, Wednesday-065-4:30 p.m., Saturday-087-9:55 a.m., Saturday-097-1:10 p.m.
Whitesides, Clayton, Friday-043.5-8:00 a.m.
Whitford, Joshua, Friday-005-8:00 a.m.
Whitney, Ryan, Saturday-012-8:00 a.m.
Whitten, Meredith, Saturday-101-8:00 a.m., Saturday-101-9:55 a.m.
Whytlaw, Jennifer, Thursday-063-8:00 a.m.
Wideman, Trevor, Saturday-100-8:00 a.m., Saturday-100-9:55 a.m., Saturday-100-1:10 p.m.
Widener, Jeffrey, Thursday-027-3:05 p.m.
Widener, Michael, Wednesday-091-9:55 a.m., Thursday-035-9:55 a.m., Saturday-057-3:05 p.m.
Wieczerek, Taylor, Thursday-054-3:05 p.m., Thursday-064-1:10 p.m.
Wiederer, Christina, Saturday-027-8:00 a.m.
Wiese, Daniel, Thursday-043.2-3:05 p.m.
Wiig, Alan, Saturday-081-8:00 a.m.
Wilbanks, John, Friday-081-5:00 p.m.
Wilbur, Ned, Thursday-012-8:00 a.m.
Wilcox, Sharon, Friday-043.2-3:05 p.m., Thursday-098-8:00 a.m., Thursday-038-3:05 p.m., Thursday-098-9:55 a.m.
Wiley, Delorean, Thursday-026-8:00 a.m., Wednesday-068-4:30 p.m.
Wilhelmi, Olga, Thursday-023-8:00 a.m.
Wilkins, Dominic, Friday-004-5:00 p.m.
Wilkinson, Eleanor, Friday-007-1:10 p.m.
Will, Rachel, Saturday-101-8:00 a.m., Saturday-101-9:55 a.m.
Willer, Christopher, Thursday-074-3:05 p.m., Friday-043.1-9:55 a.m.
Williams, Aaron, Thursday-016-5:00 p.m.
Williams, Brian, Wednesday-069-8:00 a.m., Saturday-035-8:00 a.m., Thursday-082-3:05 p.m.
Williams, Emily, Wednesday-034-4:30 p.m.
Williams, Harry, Friday-043.1-3:05 p.m., Wednesday-072-12:40 p.m., Wednesday-072-2:35 p.m., Wednesday-072-4:30 p.m.
Williams, Jill, Sunday-084-3:55 p.m., Saturday-097-3:05 p.m., Friday-093-8:00 a.m., Friday-093-9:55 a.m.
Williams, Kerrie, Friday-098-3:05 p.m.
Williams, Nina, Friday-007-5:00 p.m.
Williams, Scott, Friday-043.4-3:05 p.m.
Willis, George, Friday-056-9:55 a.m.
Willmott, Kyle, Wednesday-057-4:30 p.m.
Willson, Kurt, Friday-043.1-1:10 p.m.
Wilmott, Clancy, Thursday-034-9:55 a.m., Thursday-060-5:00 p.m.
Wilopo, Claudia, Friday-003-8:00 a.m.
Wilson, Bev, Saturday-023-8:00 a.m.
Wilson, Bobby, Saturday-026-9:55 a.m.
Wilson, Bradley, Thursday-043.1-3:05 p.m., Sunday-019-2:00 p.m., Friday-083-5:00 p.m.
Wilson, Cyril, Saturday-073-1:10 p.m., Friday-058-8:00 a.m.
Wilson, Damien, Friday-043.4-3:05 p.m.
Wilson, David, Friday-081-8:00 a.m., Saturday-084-8:00 a.m., Friday-038-3:05 p.m.
Wilson, Eric, Friday-033.5-9:55 a.m.
Wilson, Hannah, Saturday-060-9:55 a.m.
Wilson, Harry, Thursday-031-1:10 p.m.
Wilson, Helen, Wednesday-082-8:00 a.m.
Wilson, Hilary, Sunday-061-9:55 a.m.
Wilson, James, Thursday-043.3-1:10 p.m.
Wilson, John, Thursday-061-9:55 a.m., Wednesday-032-9:55 a.m., Friday-041-1:10 p.m., Friday-093-5:00 p.m.
Wilson, Julie, Wednesday-065-12:40 p.m., Thursday-102-5:00 p.m.
Wilson, Margaret, Saturday-102-3:05 p.m.
Wilson, Matthew, Saturday-055-9:55 a.m., Friday-004-3:05 p.m., Sunday-092-9:55 a.m., Friday-024-9:55 a.m.
Wilson, Nicole, Friday-102-8:00 a.m., Friday-086-9:55 a.m.
Wilson, Randall, Friday-043.3-3:05 p.m.
Wilson, Robert, Wednesday-074-12:40 p.m., Wednesday-074-2:35 p.m.
Wilson, Sigismund, Saturday-073-1:10 p.m.
Wimhurst, Joshua, Saturday-033.5-9:55 a.m.
Winata, Fikriyah, Thursday-043.2-3:05 p.m.
Winders, Jamie, Wednesday-041-2:35 p.m., Sunday-005-8:00 a.m., Sunday-067-9:55 a.m., Saturday-010-5:00 p.m.
Wingfield, Andrew, Thursday-028-9:55 a.m.
Winiarczyk-Razniak, Anna, Friday-043.1-9:55 a.m.
Winkler, Julie, Thursday-043.1-8:00 a.m., Wednesday-052-4:30 p.m., Thursday-052-9:55 a.m.
WinklerPrins, Antoinette, Thursday-092-9:55 a.m., Friday-070-9:55 a.m., Friday-009-3:05 p.m., Thursday-032-1:10 p.m., Saturday-070-3:05 p.m., Friday-009-1:10 p.m.
Winner, Angelika, Saturday-043.3-9:55 a.m.
Winston, Celeste, Sunday-019-3:55 p.m.

PARTICIPANT INDEX

- Wint, Traci-Ann, Saturday-084-8:00 a.m.
 Winter, Jonathan, Wednesday-072-8:00 a.m., Wednesday-072-9:55 a.m.
 Winters, Luke, Friday-043.5-8:00 a.m.
 Wirsing, Jochen, Friday-043.2-9:55 a.m.
 Wirth, Manuel, Sunday-038-2:00 p.m.
 Wise, Erika, Saturday-052-1:10 p.m., Thursday-043.1-8:00 a.m.
 Wise, Michael, Saturday-070-8:00 a.m., Saturday-070-9:55 a.m.
 Wisner, Ben, Friday-016-1:10 p.m.
 Wissoker, Peter, Sunday-038-2:00 p.m., Saturday-080-8:00 a.m., Saturday-080-9:55 a.m.
 Withey, Lauren, Thursday-066-5:00 p.m., Friday-010-3:05 p.m.
 Witinok-Huber, Rebecca, Saturday-043.3-8:00 a.m.
 Witmer, Frank, Saturday-057-5:00 p.m.
 Witt, Christine, Thursday-033.5-5:00 p.m.
 Witty, Ingrid, Thursday-043.3-9:55 a.m.
 Woehrl, Christina, Thursday-043.2-9:55 a.m.
 Wojan, Timothy, Saturday-003-8:00 a.m., Saturday-003-9:55 a.m.
 Wojcik, Dariusz, Thursday-023-1:10 p.m., Thursday-023-3:05 p.m., Thursday-023-5:00 p.m.
 Wojnar, Katarzyna, Friday-020-3:05 p.m.
 Wolf, Garrett, Friday-009-9:55 a.m.
 Wolf, Levi, Wednesday-067-9:55 a.m., Wednesday-067-12:40 p.m., Wednesday-069-12:40 p.m., Wednesday-067-2:35 p.m., Thursday-090-8:00 a.m., Thursday-090-9:55 a.m., Wednesday-067-4:30 p.m., Thursday-090-1:10 p.m.
 Wolf-Jacobs, Aviva, Friday-043.2-1:10 p.m.
 Wolters, Madeline, Thursday-048-8:00 a.m., Friday-043.2-8:00 a.m.
 Womack, Chase, Friday-043.2-8:00 a.m.
 Won, Jongho, Sunday-080-9:55 a.m.
 Wong, David, Friday-004-1:10 p.m., Friday-055-9:55 a.m.
 Wong, Sandy, Thursday-010-8:00 a.m., Thursday-010-9:55 a.m., Wednesday-068-9:55 a.m.
 Wongso, Samto, Saturday-043.3-9:55 a.m.
 Wonsil, Joseph, Thursday-043.3-3:05 p.m.
 Wood, Andrew, Saturday-064-9:55 a.m.
 Wood, Astrid, Saturday-047-1:10 p.m.
 Wood, Joseph, Friday-070-1:10 p.m.
 Wood, Laura, Saturday-005-5:00 p.m.
 Wood, Stephen, Friday-100-8:00 a.m.
 Woodcock, Andree, Friday-033.5-9:55 a.m.
 Woodhouse-Ledermann, Kathleen, Thursday-043.1-1:10 p.m.
 Woods, Brady, Friday-041-8:00 a.m., Saturday-043.5-8:00 a.m.
 Woods, Orlando, Saturday-036-8:00 a.m., Saturday-036-9:55 a.m., Friday-003-9:55 a.m.
 Woodul, Rachel, Sunday-057-9:55 a.m., Saturday-057-8:00 a.m.
 Woodward, Keith, Sunday-072-9:55 a.m., Thursday-099-8:00 a.m.
 Woodward, Kyle, Thursday-067-3:05 p.m., Friday-067-9:55 a.m., Thursday-043.4-9:55 a.m.
 Woodworth, Max, Sunday-040-8:00 a.m.
 Workman, Cassandra, Thursday-047-1:10 p.m.
 Worms, Jamie, Wednesday-086-8:00 a.m.
 Woronkiewicz, Joanna, Saturday-003-8:00 a.m.
 Worth, Nancy, Wednesday-041-2:35 p.m., Friday-064-9:55 a.m., Wednesday-041-4:30 p.m., Thursday-041-9:55 a.m.
 Worthen, Holly, Wednesday-051-12:40 p.m.
 Wrathall, David, Thursday-049-3:05 p.m., Thursday-049-5:00 p.m.
 Wridt, Pamela, Thursday-073-3:05 p.m.
 Wright, Dawn, Friday-038-1:10 p.m., Wednesday-068-11:45 a.m., Saturday-068-1:10 p.m.
 Wright, Jessica, Thursday-043.3-9:55 a.m.
 Wright, Melissa, Sunday-066-8:00 a.m.
 Wright, Richard, Wednesday-088-4:30 p.m., Friday-089-5:00 p.m., Sunday-094-8:00 a.m.
 Wright, Robin, Thursday-037-8:00 a.m.
 Wright, Willie, Friday-017-9:55 a.m., Saturday-026-9:55 a.m., Saturday-026-8:00 a.m., Sunday-019-3:55 p.m.
 Wrigley, Charlotte, Thursday-050-1:10 p.m.
 Wu, An-Min, Friday-049-3:05 p.m.
 Wu, Bing, Saturday-091-8:00 a.m., Saturday-048-9:55 a.m.
 Wu, Changshan, Saturday-047-9:55 a.m., Saturday-054-1:10 p.m., Wednesday-056-8:00 a.m.
 Wu, Chung-Tong, Thursday-018-1:10 p.m., Thursday-018-3:05 p.m.
 Wu, Dengyun, Friday-049-1:10 p.m.
 Wu, Di, Wednesday-034-9:55 a.m.
 Wu, Jiahui, Wednesday-067-2:35 p.m.
 Wu, Jiaying, Thursday-066-1:10 p.m.
 Wu, Jingyan, Thursday-060-9:55 a.m.
 Wu, Jiong, Sunday-002-8:00 a.m.
 Wu, Junya, Sunday-057-9:55 a.m.
 Wu, Kang, Thursday-018-1:10 p.m.
 Wu, Man Fai, Wednesday-073-9:55 a.m.
 Wu, Qiusheng, Saturday-086-8:00 a.m., Sunday-088-2:00 p.m., Thursday-043.4-9:55 a.m.
 Wu, Shuang, Friday-022-5:00 p.m., Sunday-002-8:00 a.m.
 Wu, Tong, Saturday-086-8:00 a.m.
 Wu, Wen, Friday-043.2-9:55 a.m.
 Wu, Wenhao, Saturday-024-1:10 p.m.
 Wu, Yanan, Thursday-043.1-8:00 a.m.
 Wu, Yangyi, Thursday-086-1:10 p.m.
 Wu, Yanshen, Thursday-048-1:10 p.m., Saturday-054-8:00 a.m.
 Wu, Yaoyao, Thursday-048-1:10 p.m.
 Wu, Yue, Sunday-054-2:00 p.m.
 Wu, Yuhao, Friday-048-8:00 a.m., Thursday-058-5:00 p.m.
 Wu, Zhuoting, Thursday-052-8:00 a.m.
 WU, JIA-JHEN, Thursday-021-5:00 p.m.
 WU, SI, Wednesday-054-2:35 p.m.
 WU, TSUNG-CHIUNG, Thursday-006-1:10 p.m.
 WU, ZHIAO, Friday-043.1-8:00 a.m.
 Wutich, Amber, Thursday-047-8:00 a.m., Thursday-047-3:05 p.m., Sunday-037-8:00 a.m.
 Wyatt, Samuel, Friday-043.1-3:05 p.m.
 Wyckoff, William, Thursday-008-9:55 a.m.
 Wyly, Elvin, Friday-081-8:00 a.m., Thursday-036-3:05 p.m., Thursday-001-9:55 a.m.
 Wyndham, Jessica, Saturday-084-3:05 p.m., Sunday-086-8:00 a.m.
- ## X
- Xi, Di, Friday-025-8:00 a.m.
 Xi, Guangliang, Thursday-074-1:10 p.m.
 Xi, Liu, Friday-033-8:00 a.m.
 Xi, Shuang, Saturday-043.2-8:00 a.m.
 Xia, Jizhe, Sunday-054-9:55 a.m.
 Xia, Shaoxia, Saturday-020-5:00 p.m.
 Xia, Yongjiu, Thursday-021-8:00 a.m.
 Xia, Zhiyue, Thursday-033.5-9:55 a.m.
 Xian, George, Saturday-048-1:10 p.m., Saturday-048-3:05 p.m., Saturday-048-5:00 p.m.
 Xian, Shi, Friday-060-5:00 p.m., Friday-028-1:10 p.m.
 Xiang, Huali, Thursday-043.2-3:05 p.m.
 Xiang, Xi, Friday-025-8:00 a.m.
 Xiao, Danqing, Saturday-043.3-9:55 a.m.
 Xiao, Jing, Thursday-033.5-1:10 p.m.
 Xiao, Jingyi, Thursday-021-9:55 a.m.
 Xiao, Jun, Thursday-043.2-3:05 p.m.
 Xiao, Weiye, Thursday-086-8:00 a.m.
 Xiao, Xiao, Friday-080-9:55 a.m.
 Xie, Liou, Saturday-028-3:05 p.m.
 Xie, Xue, Friday-054-5:00 p.m.
 Xie, Yachen, Wednesday-037-12:40 p.m.
 Xie, Yanhua, Thursday-058-8:00 a.m., Friday-058-3:05 p.m.
 XIE, JIN, Friday-083-1:10 p.m.
 Xierali, Imam, Thursday-060-9:55 a.m.
 Xin, Yanan, Saturday-043.7-8:00 a.m.
 Xing, Jiawei, Thursday-006-8:00 a.m.
 Xing, Jin, Friday-033-3:05 p.m., Saturday-066-3:05 p.m.
 Xiong, Haoyi, Thursday-021-3:05 p.m.
 Xiong, Muqi, Friday-049-1:10 p.m.
 Xiong, Sitian, Thursday-043.4-9:55 a.m.
 Xu, Chen, Friday-093-1:10 p.m., Saturday-091-8:00 a.m.
 Xu, Fangcao, Saturday-081-5:00 p.m.
 Xu, Gang, Friday-021-9:55 a.m.

PARTICIPANT INDEX

Xu, Jianchun, Thursday-033.5-5:00 p.m.
 Xu, Jiang, Thursday-019-9:55 a.m.
 Xu, Jianhua, Friday-043.1-1:10 p.m., Saturday-086-9:55 a.m.
 Xu, Jiaqi, Friday-043.2-9:55 a.m., Saturday-043.3-9:55 a.m.
 Xu, Jing, Saturday-034-8:00 a.m.
 Xu, Jingxue, Friday-043.2-9:55 a.m.
 Xu, Jinwen, Wednesday-001-12:40 p.m.
 Xu, Lei, Friday-089-1:10 p.m.
 Xu, Mengchao, Thursday-062-1:10 p.m., Saturday-049-3:05 p.m.
 Xu, Min, Friday-073-9:55 a.m., Thursday-043.4-9:55 a.m.
 Xu, Wei, Sunday-056-8:00 a.m.
 Xu, Wenfei, Thursday-087-5:00 p.m.
 Xu, Xiaoyong, Friday-058-8:00 a.m.
 Xu, Yang, Friday-091-8:00 a.m., Friday-091-1:10 p.m., Thursday-091-5:00 p.m.
 Xu, Yanqing, Sunday-069-3:55 p.m.
 Xu, Yaping, Saturday-072-3:05 p.m., Friday-049-3:05 p.m., Thursday-043.4-9:55 a.m.
 Xu, Yiqiang, Saturday-016-5:00 p.m.
 Xu, Yuanshuo, Thursday-018-3:05 p.m., Thursday-021-9:55 a.m.
 Xu, Zengwang, Sunday-063-8:00 a.m., Thursday-056-5:00 p.m.
 XU, SHIFENG, Saturday-073-8:00 a.m.
 XU, Yingying, Friday-073-8:00 a.m.
 Xuan, Yang, Saturday-073-8:00 a.m.
 Xue, Zhibin, Friday-099-8:00 a.m.

Y

YACHEN, HE, Sunday-068-3:55 p.m.
 Yadav, Akansha, Thursday-016-9:55 a.m.
 Yadav, Anuja,
 Yadav, Shobha, Wednesday-049-2:35 p.m.
 Yadav, Sunita, Saturday-056-1:10 p.m.
 Yamamoto, Daisaku, Thursday-025-9:55 a.m.
 Yamamura, Sakura, Thursday-016-1:10 p.m., Saturday-092-9:55 a.m.
 Yamazaki, Kenji, Thursday-010-5:00 p.m., Saturday-007-8:00 a.m.
 Yamazaki, Takashi, Wednesday-057-4:30 p.m.
 Yamazaki, Tomoko, Thursday-010-5:00 p.m., Saturday-007-8:00 a.m.
 Yan, Bo, Thursday-097-1:10 p.m., Friday-041-5:00 p.m.
 Yan, Guoqian, Wednesday-072-12:40 p.m.
 Yan, Han, Saturday-010-1:10 p.m.
 Yan, Jiayu, Friday-020-9:55 a.m.
 Yan, Xiang, Friday-090-8:00 a.m.
 Yang, Anni, Thursday-063-1:10 p.m.
 Yang, Bin, Friday-099-8:00 a.m.
 Yang, Bo, Friday-067-9:55 a.m., Thursday-039-9:55 a.m.
 Yang, Chao, Saturday-066-1:10 p.m.
 Yang, Chengshu, Saturday-086-8:00 a.m., Saturday-086-1:10 p.m.
 Yang, Eunjung, Saturday-090-3:05 p.m.
 Yang, Fenggang, Wednesday-082-9:55 a.m.
 Yang, Hanbing, Thursday-072-8:00 a.m.
 Yang, Jason, Friday-043.2-9:55 a.m.
 Yang, Jiangmin, Friday-043.2-9:55 a.m.
 Yang, Jie, Friday-056-5:00 p.m.
 Yang, Jing, Saturday-054-8:00 a.m.
 Yang, Jingchao, Friday-041-8:00 a.m., Thursday-036-8:00 a.m.
 Yang, Jue, Thursday-056-5:00 p.m.
 Yang, Lilian, Thursday-033.5-8:00 a.m.
 Yang, Lingfan, Saturday-028-3:05 p.m.
 Yang, Mei, Thursday-043.2-3:05 p.m.
 Yang, Nancy, Saturday-018-1:10 p.m.
 Yang, Saini, Thursday-060-9:55 a.m., Saturday-054-8:00 a.m.
 Yang, Tianren, Sunday-054-2:00 p.m.
 Yang, Xiaojun, Friday-043.2-9:55 a.m., Wednesday-049-4:30 p.m., Saturday-049-1:10 p.m.
 Yang, Xining, Friday-043.3-9:55 a.m.
 Yang, Xuchao, Saturday-086-9:55 a.m.
 Yang, Yalin, Saturday-043.3-9:55 a.m.
 Yang, Yang, Saturday-090-1:10 p.m., Sunday-048-3:55 p.m., Saturday-090-5:00 p.m.
 Yang, Zhengwei, Saturday-056-1:10 p.m.
 YANG, Chun, Wednesday-034-9:55 a.m., Wednesday-081-8:00 a.m., Friday-001-1:10 p.m., Wednesday-034-12:40 p.m.
 YANG, HUI, Friday-026-9:55 a.m.
 Yankey, Ortis, Saturday-055-5:00 p.m.
 Yanuskiewicz, Elizabeth, Thursday-066-1:10 p.m.
 Yao, Qiang, Friday-043.1-3:05 p.m., Wednesday-072-2:35 p.m., Wednesday-072-4:30 p.m.
 Yao, Xiaowei, Thursday-025-5:00 p.m.
 Yao, Zhiyuan, Thursday-091-9:55 a.m.
 Yao, Zuo Lin, Friday-022-3:05 p.m.
 Yarbrough, Elizabeth, Wednesday-068-4:30 p.m.
 Yarbrough, Robert, Friday-010-1:10 p.m.
 Yarina, Elizabeth, Thursday-063-9:55 a.m., Sunday-036-8:00 a.m.
 Yarosh, Jaime, Saturday-043.5-8:00 a.m.
 Yasumiishi, Misa, Thursday-097-8:00 a.m.
 Ybarra, Megan, Wednesday-088-9:55 a.m., Thursday-007-8:00 a.m., Thursday-007-9:55 a.m.
 Ye, Sheng, Friday-099-8:00 a.m.
 Ye, Su, Sunday-062-8:00 a.m.
 Ye, Tao, Saturday-054-8:00 a.m.
 Ye, Xiang, Saturday-020-8:00 a.m.
 Ye, Xinyue, Friday-041-8:00 a.m., Saturday-091-1:10 p.m., Thursday-065-5:00 p.m., Friday-091-8:00 a.m., Thursday-091-8:00 a.m., Saturday-055-8:00 a.m., Friday-052-3:05 p.m., Thursday-091-9:55 a.m., Thursday-091-1:10 p.m., Thursday-091-3:05 p.m., Friday-091-1:10 p.m., Friday-091-9:55 a.m., Saturday-091-9:55 a.m., Thursday-091-5:00 p.m.
 Ye, Zijun, Sunday-053-2:00 p.m.
 YE, Yaling, Friday-056-9:55 a.m.
 Yeager, Emily, Friday-064-3:05 p.m.
 Yeager, Ray, Thursday-043.3-3:05 p.m.
 Yeboah, Ian, Thursday-016-9:55 a.m.
 Yenigun, Ozge, Saturday-099-9:55 a.m.
 Yeung, Godfrey, Saturday-003-5:00 p.m.
 Yi, Hoonchong, Saturday-064-5:00 p.m.
 Yi, Fangxin, Friday-083-1:10 p.m.
 Yiftachel, Oren, Friday-003-8:00 a.m.
 YILMAZ, MUSTAFA, Thursday-017-5:00 p.m.
 Yin, Chun, Sunday-057-2:00 p.m.
 Yin, Dameng, Wednesday-052-12:40 p.m.
 Yin, Dandong, Friday-043.1-8:00 a.m., Friday-033-3:05 p.m., Thursday-035-3:05 p.m., Thursday-035-1:10 p.m., Thursday-060-9:55 a.m., Thursday-060-8:00 a.m., Saturday-031-8:00 a.m., Friday-033-1:10 p.m., Friday-033-9:55 a.m., Friday-033-8:00 a.m., Friday-033-5:00 p.m., Saturday-031-9:55 a.m., Saturday-031-1:10 p.m.
 Yin, Jessie, Friday-043.4-1:10 p.m.
 Yin, Liangming, Sunday-060-3:55 p.m.
 Yin, Ping, Sunday-057-2:00 p.m.
 Yin, Qian, Wednesday-058-4:30 p.m.
 Yin, QIngmei, Thursday-021-1:10 p.m.
 Yin, Zhengcong, Wednesday-008-12:40 p.m., Saturday-034-8:00 a.m., Thursday-057-8:00 a.m.
 Ying, Qing, Thursday-072-8:00 a.m.
 Ying, Shen, Thursday-024-3:05 p.m.
 Yoder, Landon, Saturday-101-1:10 p.m., Saturday-101-3:05 p.m., Saturday-101-5:00 p.m.
 Yonto, Daniel, Wednesday-055-2:35 p.m.
 YOO, SEUNGHO, Thursday-072-1:10 p.m., Friday-084-5:00 p.m.
 Yoon, Hyejin, Friday-001-1:10 p.m.
 You, Geonhwa, Saturday-056-5:00 p.m.
 You, Weilun, Saturday-043.3-9:55 a.m.
 Young, Allison, Friday-043.3-9:55 a.m., Friday-006-3:05 p.m.
 Young, Angeline, Sunday-019-8:00 a.m., Sunday-055-3:55 p.m.
 Young, Craig, Wednesday-057-9:55 a.m., Saturday-019-3:05 p.m.
 Young, Julie, Wednesday-036-2:35 p.m.
 Young, Kelsey, Friday-102-9:55 a.m.
 Young, Mischa, Thursday-092-3:05 p.m.
 Young, Rebecca, Friday-024-1:10 p.m.
 Young, Sean, Thursday-056-3:05 p.m.
 Young, Sera, Thursday-047-8:00 a.m., Thursday-047-1:10 p.m.

PARTICIPANT INDEX

Young, Sherry, Thursday-043.1-8:00 a.m.
 Young, Stephen, Thursday-043.1-8:00 a.m.
 Young, Thayer, Sunday-028-3:55 p.m.
 Youngs, Yolonda, Sunday-068-9:55 a.m.
 Yoxall, Simone, Friday-024-8:00 a.m.
 Yrigoy, Ismael, Friday-062-3:05 p.m., Friday-021-1:10 p.m.
 Yu, Bailang, Saturday-073-8:00 a.m., Saturday-086-8:00 a.m., Saturday-086-9:55 a.m., Saturday-086-1:10 p.m., Saturday-086-3:05 p.m., Saturday-086-5:00 p.m.
 Yu, Changda, Thursday-086-1:10 p.m.
 Yu, Dandan, Saturday-054-8:00 a.m.
 Yu, Danlin, Wednesday-067-9:55 a.m., Thursday-043.3-9:55 a.m.
 Yu, Hongbo, Saturday-043.3-9:55 a.m., Saturday-043.2-8:00 a.m.
 Yu, Hongchu, Sunday-060-3:55 p.m.
 Yu, Jiao, Thursday-025-5:00 p.m.
 Yu, Manzhu, Friday-041-8:00 a.m., Friday-036-8:00 a.m., Friday-087-9:55 a.m.
 Yu, Qin, Saturday-087-1:10 p.m.
 Yu, Qiuyan, Friday-073-8:00 a.m., Friday-073-9:55 a.m., Wednesday-090-9:55 a.m.
 Yu, Seulki, Thursday-043.7-1:10 p.m., Thursday-043.1-1:10 p.m.
 Yu, Yang, Sunday-036-2:00 p.m.
 Yu, Yi, Saturday-055-3:05 p.m.
 Yu, Yong, Friday-098-9:55 a.m.
 Yu, Zhen, Saturday-095-3:05 p.m.
 Yu, Zhiqi, Thursday-043.3-9:55 a.m.
 Yu, Zihao, Friday-033.5-9:55 a.m.
 YU, De, Wednesday-054-2:35 p.m.
 YU, Hao, Friday-049-3:05 p.m.
 YU, Hongjie, Thursday-039-9:55 a.m.
 Yuan, Jing, Friday-043.4-1:10 p.m.
 Yuan, Lihua, Friday-043.1-1:10 p.m.
 Yuan, May, Thursday-067-3:05 p.m., Friday-067-8:00 a.m., Friday-091-3:05 p.m., Friday-055-5:00 p.m., Thursday-093-5:00 p.m., Thursday-043.3-9:55 a.m.
 Yuan, Yihong, Thursday-097-3:05 p.m., Saturday-066-1:10 p.m., Thursday-036-8:00 a.m.
 Yuan, Yuxi, Saturday-028-3:05 p.m.
 Yue, Wenzhe, Saturday-086-8:00 a.m., Saturday-086-9:55 a.m., Saturday-086-1:10 p.m., Saturday-086-3:05 p.m., Saturday-086-5:00 p.m.
 Yue, Yanlin, Saturday-048-5:00 p.m.
 Yumei, Liu, Saturday-043.3-9:55 a.m.
 Yurco, Kayla, Saturday-010-5:00 p.m.

Z

Zackary, Ridge, Saturday-043.3-9:55 a.m.
 Zadrozny, Joann, Thursday-041-3:05 p.m., Thursday-041-1:10 p.m.
 Zahorik, Michal, Wednesday-072-9:55 a.m., Sunday-050-9:55 a.m.
 Zaidan, Esmat, Thursday-019-5:00 p.m.
 Zaimi, Rea, Thursday-037-9:55 a.m.
 Zalik, Anna, Friday-061-1:10 p.m., Friday-061-3:05 p.m., Saturday-073-9:55 a.m., Saturday-041-1:10 p.m., Wednesday-057-8:00 a.m.
 Zamperlin, Paola, Saturday-103-1:10 p.m.
 Zampieri, Nicole, Friday-043.1-3:05 p.m.
 Zandi, Mahshid, Friday-034-5:00 p.m.
 Zang, Yuzhu, Friday-043.5-8:00 a.m.
 Zaragocin, Sofia, Wednesday-087-8:00 a.m.
 Zavar, Elyse, Thursday-033-1:10 p.m., Thursday-048-3:05 p.m.
 Zavareh, Sahar, Thursday-063-8:00 a.m.
 Zawiejska, Joanna, Friday-065-9:55 a.m.
 Zeballos Castellon, Gabriel, Saturday-049-1:10 p.m.
 Zebracki, Martin, Friday-084-3:05 p.m., Friday-084-5:00 p.m., Saturday-087-8:00 a.m.
 Zeiderman, Austin, Thursday-037-1:10 p.m., Sunday-084-3:55 p.m., Wednesday-094-2:35 p.m.
 Zeigler, Donald, Thursday-043.3-1:10 p.m.
 Zeitler, Ezra, Friday-043.1-9:55 a.m.
 Zeng, Diqi, Thursday-043.1-8:00 a.m.
 Zeng, Fangyu, Friday-049-1:10 p.m.
 Zeng, Jingyuan, Saturday-099-8:00 a.m.
 Zeng, Yongsheng, Friday-065-8:00 a.m.
 Zeng, Yutian, Friday-047-8:00 a.m.

Zeuli, Kim, Saturday-003-9:55 a.m.
 Zhai, Ruiting, Wednesday-049-9:55 a.m.
 Zhan, Benjamin, Thursday-043.2-3:05 p.m.
 Zhang, Anlu, Saturday-024-1:10 p.m., Wednesday-049-4:30 p.m.
 Zhang, Bin, Thursday-060-8:00 a.m., Thursday-025-3:05 p.m.
 Zhang, Bo, Thursday-043.3-9:55 a.m.
 Zhang, Caiyun, Thursday-058-3:05 p.m., Friday-033.5-3:05 p.m., Friday-058-5:00 p.m.
 Zhang, Charlie, Saturday-074-5:00 p.m.
 Zhang, Chen, Friday-043.1-8:00 a.m., Wednesday-074-4:30 p.m., Friday-062-1:10 p.m.
 Zhang, Chuanrong, Wednesday-049-9:55 a.m., Friday-033-8:00 a.m.
 Zhang, Deying, Saturday-060-5:00 p.m.
 Zhang, Fan, Friday-043.3-9:55 a.m., Friday-041-5:00 p.m., Thursday-019-1:10 p.m., Friday-041-3:05 p.m.
 Zhang, Fang, Saturday-049-1:10 p.m.
 Zhang, Fangzhu, Saturday-099-8:00 a.m.
 Zhang, Guiming, Wednesday-058-9:55 a.m.
 Zhang, Haiqin, Saturday-090-5:00 p.m.
 Zhang, Han, Saturday-060-1:10 p.m.
 Zhang, Hongwei, Thursday-025-5:00 p.m.
 Zhang, Jianzhen, Thursday-068-8:00 a.m.
 Zhang, Jiawen, Thursday-049-1:10 p.m.
 Zhang, Jiehao, Thursday-025-5:00 p.m.
 Zhang, Jun, Saturday-036-3:05 p.m., Thursday-019-5:00 p.m.
 Zhang, Kai, Wednesday-055-12:40 p.m.
 Zhang, Li, Saturday-080-1:10 p.m.
 Zhang, Liangfeng, Saturday-090-3:05 p.m.
 Zhang, Lin, Friday-043.3-3:05 p.m.
 Zhang, Ling, Friday-021-9:55 a.m.
 Zhang, Luan, Thursday-062-5:00 p.m.
 Zhang, Min, Saturday-099-8:00 a.m.
 Zhang, Ning, Thursday-043.1-8:00 a.m.
 Zhang, Pei, Saturday-072-3:05 p.m.
 Zhang, Peiyao, Friday-010-5:00 p.m.
 Zhang, Qi, Sunday-062-8:00 a.m., Sunday-070-8:00 a.m., Thursday-088-1:10 p.m.
 Zhang, Qiantao, Wednesday-081-12:40 p.m.
 Zhang, Qiaofeng (Robin), Thursday-043.4-9:55 a.m.
 Zhang, Qiong, Thursday-057-3:05 p.m.
 Zhang, Qiuyi, Saturday-081-3:05 p.m., Thursday-043.8-1:10 p.m.
 Zhang, Qun, Saturday-086-3:05 p.m.
 Zhang, Rui, Saturday-020-5:00 p.m., Thursday-090-8:00 a.m.
 Zhang, Ruoyan, Saturday-028-9:55 a.m.
 Zhang, Sainan, Friday-057-5:00 p.m.
 Zhang, Teng, Friday-043.2-9:55 a.m.
 Zhang, Tianqi, Friday-043.1-1:10 p.m.
 Zhang, Ting, Thursday-043.1-8:00 a.m.
 Zhang, Vickie, Friday-007-1:10 p.m.
 Zhang, Wen, Saturday-048-9:55 a.m.
 Zhang, Xiaohu, Friday-028-1:10 p.m., Thursday-043.3-9:55 a.m.
 Zhang, Xiaoling, Wednesday-033.5-2:35 p.m.
 Zhang, Xiaoyang, Saturday-048-1:10 p.m., Saturday-048-3:05 p.m., Saturday-048-5:00 p.m.
 Zhang, Xu, Wednesday-034-9:55 a.m., Wednesday-034-12:40 p.m.
 Zhang, Xuan, Thursday-060-3:05 p.m.
 Zhang, Xue, Thursday-020-9:55 a.m.
 Zhang, Xuechen, Wednesday-049-2:35 p.m.
 Zhang, Yan, Friday-060-3:05 p.m., Wednesday-091-8:00 a.m., Wednesday-089-12:40 p.m.
 Zhang, Yang, Thursday-097-3:05 p.m., Friday-047-9:55 a.m.
 Zhang, Yi, Saturday-090-1:10 p.m., Thursday-074-8:00 a.m.
 Zhang, Yinan, Saturday-034-9:55 a.m., Thursday-021-9:55 a.m.
 Zhang, Yingnan, Saturday-024-1:10 p.m., Saturday-028-3:05 p.m., Friday-021-5:00 p.m.
 Zhang, Yiyi, Thursday-048-1:10 p.m.
 Zhang, Yu, Friday-039-3:05 p.m., Thursday-091-3:05 p.m., Wednesday-033.5-2:35 p.m., Thursday-043.3-9:55 a.m.
 Zhang, Yue, Sunday-080-9:55 a.m.
 Zhang, Yueming, Saturday-012-8:00 a.m.
 Zhang, Yujia, Thursday-058-8:00 a.m.
 Zhang, Yuliang, Wednesday-033.5-4:30 p.m.
 Zhang, Ze, Friday-091-1:10 p.m.

PARTICIPANT INDEX

- Zhang, Zhe, Thursday-035-3:05 p.m.
 Zhang, Ziye, Thursday-021-9:55 a.m.
 ZHANG, DI, Friday-099-8:00 a.m.
 ZHANG, XIANG, Saturday-066-3:05 p.m., Sunday-036-2:00 p.m.
 Zhao, Anthony, Thursday-094-8:00 a.m., Thursday-094-9:55 a.m., Thursday-094-1:10 p.m.
 Zhao, Bailu, Wednesday-073-9:55 a.m.
 Zhao, Bing, Saturday-028-1:10 p.m.
 Zhao, Bo, Saturday-066-1:10 p.m., Saturday-066-3:05 p.m.
 Zhao, Haipeng, Saturday-062-5:00 p.m.
 Zhao, Haoteng, Friday-043.1-8:00 a.m., Wednesday-074-4:30 p.m.
 Zhao, Hongbo, Wednesday-058-2:35 p.m.
 Zhao, Jiayan, Friday-074-1:10 p.m., Thursday-072-5:00 p.m., Friday-074-5:00 p.m.
 Zhao, Kaiguang, Thursday-043.4-9:55 a.m.
 Zhao, Min, Saturday-086-1:10 p.m.
 Zhao, Ningxi, Friday-043.2-9:55 a.m.
 Zhao, Qiao, Sunday-063-2:00 p.m.
 Zhao, Qunshan, Friday-033.5-1:10 p.m.
 Zhao, Xiang, Saturday-034-1:10 p.m., Saturday-062-1:10 p.m.
 Zhao, Xiaobin, Wednesday-057-12:40 p.m.
 Zhao, Yi, Saturday-043.1-8:00 a.m.
 Zhao, Yu, Saturday-028-1:10 p.m.
 Zhao, Yun, Saturday-043.3-9:55 a.m., Saturday-043.2-8:00 a.m.
 Zhao, Yuxi, Saturday-025-8:00 a.m.
 Zhaojing, Liu, Saturday-086-3:05 p.m.
 Zheng, Jane, Friday-010-5:00 p.m., Thursday-033-3:05 p.m.
 Zheng, Lan, Saturday-060-5:00 p.m., Thursday-056-5:00 p.m.
 Zheng, Minrui, Friday-043.1-8:00 a.m., Thursday-035-5:00 p.m., Saturday-034-1:10 p.m., Sunday-054-9:55 a.m.
 Zheng, Qiming, Friday-073-8:00 a.m., Friday-058-3:05 p.m.
 Zheng, Yuanfan, Thursday-058-9:55 a.m.
 Zheng, Zhong, Friday-033-8:00 a.m.
 Zhong, Haotian, Friday-049-8:00 a.m.
 Zhong, Qing, Saturday-034-9:55 a.m., Thursday-021-9:55 a.m.
 Zhong, Shaobo, Friday-043.1-8:00 a.m.
 Zhong, Shiran, Sunday-056-8:00 a.m.
 Zhong, Yu, Thursday-043.3-9:55 a.m.
 ZHONG, YANG, Friday-056-9:55 a.m.
 Zhou, Congliang, Wednesday-008-2:35 p.m.
 Zhou, Enbo, Wednesday-008-2:35 p.m.
 Zhou, Hanlin, Thursday-039-9:55 a.m.
 Zhou, Junhao, Sunday-047-2:00 p.m.
 Zhou, Kai, Thursday-018-1:10 p.m., Thursday-018-3:05 p.m.
 Zhou, Liang, Saturday-043.3-9:55 a.m.
 Zhou, Mozhu, Thursday-083-1:10 p.m.
 Zhou, Sha, Friday-028-9:55 a.m.
 Zhou, Shangyi, Thursday-006-8:00 a.m., Saturday-041-8:00 a.m., Saturday-082-8:00 a.m.
 Zhou, Xiaokang, Wednesday-033.5-4:30 p.m.
 Zhou, Xiaolu, Wednesday-055-12:40 p.m.
 Zhou, Yannan, Friday-043.1-1:10 p.m.
 Zhou, Yao, Wednesday-072-12:40 p.m., Thursday-035-8:00 a.m.
 Zhou, Yu, Friday-043.2-3:05 p.m., Wednesday-034-12:40 p.m.
 Zhou, Yuhong, Thursday-043.2-3:05 p.m.
 Zhou, Yunyun, Saturday-060-5:00 p.m.
 Zhou, Yuyu, Friday-073-8:00 a.m., Saturday-086-8:00 a.m., Saturday-086-9:55 a.m., Saturday-086-1:10 p.m., Saturday-086-3:05 p.m., Saturday-086-5:00 p.m.
 ZHOU, LI, Wednesday-001-2:35 p.m.
 Zhu, A-Xing, Friday-033-3:05 p.m., Saturday-031-8:00 a.m., Thursday-097-9:55 a.m., Wednesday-058-9:55 a.m.
 Zhu, Di, Friday-041-5:00 p.m., Friday-041-3:05 p.m.
 Zhu, Haojie, Thursday-048-3:05 p.m.
 Zhu, Laiyin, Saturday-033.5-9:55 a.m.
 Zhu, Pengyu, Thursday-021-5:00 p.m.
 Zhu, Rui, Thursday-097-1:10 p.m., Friday-041-5:00 p.m., Saturday-066-1:10 p.m., Saturday-093-5:00 p.m.
 Zhu, Shengjun, Saturday-050-8:00 a.m., Thursday-086-1:10 p.m.
 Zhu, Tongxin, Thursday-048-1:10 p.m.
 Zhu, Xigang, Saturday-043.3-9:55 a.m.
 Zhu, Yanbing, Sunday-053-9:55 a.m.
 Zhu, Yiwen, Saturday-050-9:55 a.m.
 ZHU, JIREN, Friday-020-5:00 p.m.
 Zick, Stephanie, Thursday-043.1-8:00 a.m.
 Ziegenfuss, Robert, Wednesday-083-2:35 p.m.
 Zimmer, Anaïs, Friday-072-9:55 a.m.
 Zimmer, Andrew, Friday-073-1:10 p.m., Friday-066-9:55 a.m., Saturday-043.3-9:55 a.m.
 Zimmerer, Karl, Friday-031-3:05 p.m., Thursday-054-9:55 a.m., Friday-100-8:00 a.m., Friday-066-3:05 p.m.
 Zimmerman, Rae, Friday-050-9:55 a.m.
 Zimmermann, Petra, Friday-043.3-9:55 a.m.
 Zimny-Schmitt, Daniel, Wednesday-033.5-2:35 p.m.
 Zimsky, Mark, Thursday-032-3:05 p.m.
 Zitcer, Andrew, Friday-083-5:00 p.m., Saturday-026-5:00 p.m.
 Zoh, Hyunmin, Thursday-091-3:05 p.m.
 Zohar, Motti, Friday-010-5:00 p.m.
 Zollet, Simona, Sunday-068-3:55 p.m.
 Zone, Thandar, Friday-043.3-9:55 a.m.
 Zoninsein, Leonora, Sunday-055-3:55 p.m.
 Zook, Matthew, Saturday-036-8:00 a.m., Thursday-080-1:10 p.m., Friday-031-5:00 p.m., Thursday-041-8:00 a.m., Wednesday-068-8:00 a.m., Thursday-023-3:05 p.m.
 Zorn, Quentin, Friday-100-5:00 p.m.
 Zou, Lei, Wednesday-001-2:35 p.m., Thursday-088-9:55 a.m., Saturday-084-3:05 p.m., Wednesday-058-8:00 a.m.
 Zoungana, Basnewende, Friday-043.3-1:10 p.m.
 Zubair, Opeyemi, Saturday-043.3-9:55 a.m.
 Zuccaro, Matthew, Sunday-052-2:00 p.m.
 Zume, Joseph, Saturday-049-5:00 p.m., Saturday-056-3:05 p.m., Friday-065-8:00 a.m.
 Zunkel, Paul, Wednesday-068-4:30 p.m., Friday-026-9:55 a.m.
 Zuo, Liyuan, Friday-043.5-8:00 a.m.
 Zurba, Melanie, Friday-065-3:05 p.m.
 Zuskacova, Veronika, Sunday-080-2:00 p.m.

SPECIALTY AND AFFINITY GROUP SESSIONS INDEX

AAG Archives and Association History Committee

Saturday - 088 - 5:00 p.m.

Africa Specialty Group

Saturday - 074 - 8:00 a.m., Saturday - 082 - 3:05 p.m., Friday - 027 - 9:55 a.m., Friday - 027 - 8:00 a.m., Saturday - 066 - 8:00 a.m., Thursday - 057 - 1:10 p.m., Wednesday - 012 - 4:30 p.m., Saturday - 063 - 8:00 a.m., Saturday - 049 - 5:00 p.m., Saturday - 066 - 9:55 a.m., Friday - 027 - 3:05 p.m., Saturday - 073 - 1:10 p.m., Saturday - 012 - 3:05 p.m., Friday - 027 - 5:00 p.m., Sunday - 072 - 8:00 a.m., Sunday - 027 - 2:00 p.m., Friday - 052 - 6:50 p.m., Saturday - 074 - 9:55 a.m.

American Association of Geographers

Wednesday - 069 - 8:00 a.m., Wednesday - 037 - 8:00 a.m., Saturday - 088 - 5:00 p.m., Wednesday - 001 - 4:30 p.m.

Animal Geography Specialty Group

Friday - 034 - 9:55 a.m., Friday - 043.2 - 3:05 p.m., Sunday - 027 - 9:55 a.m., Wednesday - 036 - 8:00 a.m., Saturday - 065 - 5:00 p.m., Saturday - 074 - 1:10 p.m., Thursday - 098 - 8:00 a.m., Sunday - 027 - 3:55 p.m., Saturday - 067 - 8:00 a.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 1:10 p.m., Thursday - 098 - 9:55 a.m., Friday - 051 - 1:10 p.m., Sunday - 064 - 3:55 p.m., Saturday - 058 - 11:45 a.m., Sunday - 040 - 9:55 a.m.

Applied Geography Specialty Group

Saturday - 043.5 - 8:00 a.m., Friday - 063 - 8:00 a.m., Wednesday - 083 - 8:00 a.m., Wednesday - 083 - 12:40 p.m., Friday - 069 - 5:00 p.m., Sunday - 004 - 8:00 a.m., Sunday - 004 - 9:55 a.m., Friday - 063 - 9:55 a.m., Thursday - 025 - 1:10 p.m., Friday - 034 - 11:45 a.m., Saturday - 002 - 3:05 p.m.

Asian Geography Specialty Group

Thursday - 018 - 1:10 p.m., Friday - 022 - 5:00 p.m., Thursday - 043.7 - 1:10 p.m., Thursday - 009 - 9:55 a.m., Friday - 018 - 1:10 p.m., Friday - 019 - 9:55 a.m., Thursday - 018 - 8:00 a.m., Thursday - 019 - 9:55 a.m., Thursday - 020 - 1:10 p.m., Thursday - 009 - 1:10 p.m., Thursday - 018 - 5:00 p.m., Thursday - 019 - 1:10 p.m., Thursday - 010 - 3:05 p.m., Friday - 052 - 3:05 p.m., Thursday - 018 - 3:05 p.m., Thursday - 086 - 1:10 p.m., Thursday - 018 - 9:55 a.m., Friday - 018 - 3:05 p.m., Friday - 018 - 5:00 p.m., Friday - 018 - 8:00 a.m., Friday - 018 - 9:55 a.m., Thursday - 010 - 5:00 p.m., Saturday - 007 - 8:00 a.m., Friday - 054 - 1:10 p.m., Friday - 022 - 3:05 p.m., Thursday - 019 - 3:05 p.m., Friday - 020 - 5:00 p.m., Friday - 020 - 9:55 a.m., Thursday - 019 - 5:00 p.m., Friday - 019 - 8:00 a.m., Friday - 088 - 11:45 a.m.

Bible Geography Specialty Group

Friday - 019 - 3:05 p.m., Friday - 019 - 1:10 p.m., Friday - 031 - 11:45 a.m.,

Biogeography Specialty Group

Saturday - 052 - 1:10 p.m., Friday - 043.2 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Thursday - 094 - 8:00 a.m., Saturday - 065 - 5:00 p.m., Thursday - 094 - 9:55 a.m., Thursday - 033.5 - 8:00 a.m., Friday - 054 - 8:00 a.m., Saturday - 067 - 8:00 a.m., Wednesday - 056 - 8:00 a.m., Wednesday - 056 - 9:55 a.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 1:10 p.m., Thursday - 055 - 3:05 p.m., Saturday - 052 - 3:05 p.m., Saturday - 052 - 8:00 a.m., Saturday - 052 - 9:55 a.m., Saturday - 052 - 5:00 p.m., Thursday - 094 - 1:10 p.m., Thursday - 023 - 9:55 a.m., Friday - 060 - 11:45 a.m.

Black Geographies Specialty Group

Wednesday - 088 - 9:55 a.m., Thursday - 007 - 8:00 a.m., Thursday - 007 - 9:55 a.m., Wednesday - 035 - 4:30 p.m., Thursday - 043.5 - 1:10 p.m., Saturday - 035 - 8:00 a.m., Thursday - 037 - 8:00 a.m., Friday - 017 - 9:55 a.m., Thursday - 007 - 1:10 p.m., Friday - 086 - 1:10 p.m., Friday - 070 - 8:00 a.m., Friday - 098 - 3:05 p.m., Thursday - 067 - 8:00 a.m., Saturday - 026 - 9:55 a.m., Friday - 098 - 5:00 p.m., Saturday - 026 - 1:10 p.m., Friday - 070 - 1:10 p.m., Sunday - 019 - 8:00 a.m., Thursday - 019 - 8:00 a.m., Thursday - 037 - 9:55 a.m., Thursday - 037 - 1:10 p.m., Thursday - 037 - 3:05 p.m., Sunday - 052 - 8:00 a.m., Saturday - 026 - 8:00 a.m., Thursday - 084 - 3:05 p.m., Friday - 040 - 5:00 p.m., Sunday - 019 - 3:55 p.m., Friday - 017 - 3:05 p.m., Friday - 017 - 5:00 p.m., Sunday - 019 - 9:55 a.m., Saturday - 026 - 3:05 p.m., Friday - 017 - 1:10 p.m., Sunday - 019 - 2:00 p.m., Saturday - 012 - 5:00 p.m., Thursday - 082 - 1:10 p.m., Friday - 098 - 1:10 p.m., Wednesday - 009 - 12:40 p.m., Wednesday - 009 - 2:35 p.m., Wednesday - 009 - 4:30 p.m., Saturday - 026 - 5:00 p.m., Thursday - 082 - 3:05 p.m., Sunday - 023 - 9:55 a.m., Friday - 074 - 8:00 a.m., Thursday - 037 - 5:00 p.m., Friday - 007 - 11:45 a.m.

Business Geography Specialty Group

Thursday - 074 - 9:55 a.m., Thursday - 074 - 5:00 p.m., Thursday - 074 - 3:05 p.m., Thursday - 074 - 1:10 p.m., Thursday - 070 - 3:05 p.m., Thursday - 074 - 8:00 a.m., Saturday - 027 - 8:00 a.m., Thursday - 056 - 6:50 p.m.

Canadian Studies Specialty Group

Thursday - 049 - 8:00 a.m., Thursday - 049 - 9:55 a.m., Thursday - 055 - 1:10 p.m.

Careers and Professional Development

Wednesday - 069 - 8:00 a.m., Thursday - 041 - 3:05 p.m., Thursday - 070 - 8:00 a.m., Friday - 070 - 3:05 p.m., Thursday - 065 - 3:05 p.m., Thursday - 068 - 5:00 p.m., Sunday - 070 - 9:55 a.m., Thursday - 069 - 8:00 a.m., Friday - 068 - 3:05 p.m., Wednesday - 051 - 4:30 p.m., Thursday - 074 - 9:55 a.m., Friday - 068 - 8:00 a.m., Friday - 070 - 9:55 a.m., Thursday - 074 - 1:10 p.m., Friday - 070 - 8:00 a.m., Thursday - 027 - 1:10 p.m., Wednesday - 069 - 2:35 p.m., Wednesday - 070 - 4:30 p.m., Thursday - 070 - 3:05 p.m., Friday - 070 - 1:10 p.m., Saturday - 069 - 8:00 a.m., Friday - 068 - 9:55 a.m., Saturday - 037 - 8:00 a.m., Saturday - 037 - 3:05 p.m., Saturday - 070 - 1:10 p.m., Saturday - 069 - 1:10 p.m., Friday - 069 - 1:10 p.m., Thursday - 052 - 1:10 p.m., Wednesday - 069 - 12:40 p.m., Wednesday - 069 - 4:30 p.m., Thursday - 069 - 1:10 p.m., Saturday - 068 - 3:05 p.m., Friday - 068 - 1:10 p.m., Friday - 068 - 5:00 p.m., Friday - 005 - 9:55 a.m., Friday - 069 - 8:00 a.m., Friday - 069 - 5:00 p.m., Friday - 009 - 3:05 p.m., Thursday - 032 - 1:10 p.m., Friday - 027 - 1:10 p.m., Thursday - 041 - 8:00 a.m., Friday - 005 - 5:00 p.m., Thursday - 031 - 5:00 p.m., Thursday - 031 - 3:05 p.m., Thursday - 031 - 1:10 p.m., Thursday - 070 - 5:00 p.m., Thursday - 070 - 9:55 a.m., Friday - 043.2 - 8:00 a.m., Saturday - 068 - 1:10 p.m., Saturday - 070 - 8:00 a.m., Saturday - 070 - 9:55 a.m., Saturday - 016 - 8:00 a.m., Thursday - 068 - 8:00 a.m., Thursday - 052 - 9:55 a.m., Thursday - 023 - 9:55 a.m., Sunday - 037 - 8:00 a.m., Wednesday - 069 - 9:55 a.m., Thursday - 069 - 9:55 a.m., Friday - 069 - 9:55 a.m., Saturday - 069 - 9:55 a.m., Thursday - 069 - 3:05 p.m., Friday - 069 - 3:05 p.m., Saturday - 069 - 3:05 p.m., Thursday - 068 - 1:10 p.m., Thursday - 068 - 3:05 p.m., Saturday - 068 - 8:00 a.m., Wednesday - 070 - 12:40 p.m., Wednesday - 070 - 2:35 p.m., Thursday - 070 - 1:10 p.m., Wednesday - 052 - 2:35 p.m., Thursday - 051 - 3:05 p.m., Saturday - 070 - 3:05 p.m., Friday - 009 - 1:10 p.m., Wednesday - 001 - 4:30 p.m.

Caregiving Affinity Group

Caribbean Specialty Group

Friday - 033 - 11:45 a.m.

Cartography Specialty Group

Thursday - 072 - 1:10 p.m., Saturday - 091 - 1:10 p.m., Sunday - 069 - 8:00 a.m., Wednesday - 032 - 12:40 p.m., Wednesday - 032 - 2:35 p.m., Friday - 091 - 8:00 a.m., Saturday - 102 - 8:00 a.m., Thursday - 091 - 8:00 a.m., Wednesday - 032 - 9:55 a.m., Friday - 043.3 - 8:00 a.m., Wednesday - 001 - 2:35 p.m., Friday - 033.5 - 8:00 a.m., Friday - 103 - 8:00 a.m., Saturday - 100 - 5:00 p.m., Saturday - 102 - 9:55 a.m., Thursday - 091 - 1:10 p.m., Thursday - 091 - 3:05 p.m., Friday - 091 - 1:10 p.m., Friday - 091 - 9:55 a.m., Friday - 016 - 1:10 p.m., Wednesday - 032 - 8:00 a.m., Saturday - 091 - 9:55 a.m., Thursday - 091 - 5:00 p.m., Sunday - 069 - 9:55 a.m., Sunday - 069 - 2:00 p.m., Sunday - 069 - 3:55 p.m., Thursday - 072 - 5:00 p.m., Thursday - 058 - 6:50 p.m.

China Specialty Group

Sunday - 040 - 8:00 a.m., Thursday - 018 - 1:10 p.m., Friday - 022 - 5:00 p.m., Wednesday - 034 - 9:55 a.m., Wednesday - 057 - 12:40 p.m., Thursday - 086 - 9:55 a.m., Friday - 006 - 8:00 a.m., Friday - 006 - 9:55 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 9:55 a.m., Friday - 090 - 1:10 p.m., Saturday - 086 - 8:00 a.m., Saturday - 086 - 9:55 a.m., Friday - 052 - 3:05 p.m., Thursday - 018 - 3:05 p.m., Thursday - 086 - 1:10 p.m., Saturday - 086 - 1:10 p.m., Saturday - 086 - 3:05 p.m., Wednesday - 034 - 12:40 p.m., Saturday - 080 - 1:10 p.m., Saturday - 086 - 5:00 p.m., Saturday - 027 - 8:00 a.m., Wednesday - 082 - 9:55 a.m., Friday - 054 - 1:10 p.m., Friday - 022 - 3:05 p.m., Friday - 020 - 5:00 p.m., Friday - 020 - 9:55 a.m., Friday - 053 - 11:45 a.m.

Climate Specialty Group

Friday - 002 - 3:05 p.m., Friday - 050 - 8:00 a.m., Friday - 072 - 5:00 p.m., Wednesday - 092 - 12:40 p.m., Thursday - 072 - 3:05 p.m., Wednesday - 072 - 8:00 a.m., Wednesday - 049 - 9:55 a.m., Friday - 061 - 8:00 a.m., Wednesday - 069 - 2:35 p.m., Thursday - 034 - 5:00 p.m., Friday - 019 - 9:55 a.m., Saturday - 057 - 1:10 p.m., Thursday - 072 - 9:55 a.m., Friday - 061 - 9:55 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 066 - 8:00 a.m., Friday - 052 - 8:00 a.m., Friday - 052 - 9:55 a.m., Friday - 052 - 1:10 p.m., Thursday - 052 - 1:10 p.m., Thursday - 066 - 9:55 a.m., Wednesday - 092 - 9:55 a.m., Friday - 050 - 9:55 a.m., Thursday - 066 - 1:10 p.m., Friday - 047 - 1:10 p.m., Wednesday - 072 - 9:55 a.m., Friday - 050 - 1:10 p.m., Thursday - 066 - 3:05 p.m., Thursday - 017 - 9:55 a.m., Saturday - 063 - 1:10 p.m., Friday - 072 - 1:10 p.m., Thursday - 041 - 6:50 p.m., Thursday - 052 - 3:05 p.m., Thursday - 041 - 5:00 p.m.

Coastal and Marine Specialty Group

Friday - 061 - 1:10 p.m., Wednesday - 091 - 4:30 p.m., Friday - 061 - 3:05 p.m., Wednesday - 057 - 8:00 a.m., Wednesday - 057 - 9:55 a.m., Thursday - 058 - 8:00 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 1:10 p.m., Saturday - 072 - 9:55 a.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 8:00 a.m., Saturday - 072 - 3:05 p.m., Thursday - 058 - 3:05 p.m., Wednesday - 053 - 12:40 p.m., Wednesday - 053 - 2:35 p.m., Friday - 033.5 - 3:05 p.m., Thursday - 058 - 5:00 p.m., Friday - 058 - 5:00 p.m.,

SPECIALTY AND AFFINITY GROUP SESSIONS INDEX

Thursday - 061 - 6:50 p.m.

Community College Affinity Group

Friday - 006 - 1:10 p.m., Wednesday - 051 - 4:30 p.m., Thursday - 027 - 1:10 p.m., Friday - 057 - 3:05 p.m., Friday - 006 - 3:05 p.m., Thursday - 031 - 5:00 p.m., Thursday - 031 - 3:05 p.m., Thursday - 031 - 1:10 p.m., Saturday - 037 - 11:45 a.m.

Critical Geographies of Education Specialty Group

Thursday - 017 - 9:55 a.m., Saturday - 027 - 9:55 a.m., Saturday - 027 - 5:00 p.m., Saturday - 027 - 3:05 p.m., Saturday - 027 - 1:10 p.m., Thursday - 017 - 1:10 p.m., Thursday - 017 - 3:05 p.m., Thursday - 017 - 5:00 p.m., Friday - 024 - 8:00 a.m., Friday - 024 - 9:55 a.m., Friday - 023 - 3:05 p.m., Friday - 062 - 11:45 a.m.

Cryosphere Specialty Group

Thursday - 033.5 - 1:10 p.m., Saturday - 073 - 8:00 a.m., Saturday - 057 - 1:10 p.m., Thursday - 072 - 9:55 a.m., Thursday - 049 - 8:00 a.m., Saturday - 057 - 9:55 a.m., Thursday - 034 - 6:50 p.m.

Cultural and Political Ecology Specialty Group

Friday - 061 - 5:00 p.m., Sunday - 048 - 8:00 a.m., Friday - 061 - 1:10 p.m., Thursday - 066 - 5:00 p.m., Friday - 034 - 9:55 a.m., Saturday - 101 - 8:00 a.m., Wednesday - 038 - 2:35 p.m., Thursday - 068 - 5:00 p.m., Friday - 037 - 5:00 p.m., Wednesday - 035 - 4:30 p.m., Friday - 050 - 8:00 a.m., Friday - 010 - 8:00 a.m., Saturday - 094 - 8:00 a.m., Wednesday - 092 - 12:40 p.m., Wednesday - 012 - 12:40 p.m., Friday - 055 - 1:10 p.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 9:55 a.m., Wednesday - 090 - 12:40 p.m., Wednesday - 090 - 2:35 p.m., Friday - 065 - 1:10 p.m., Friday - 061 - 3:05 p.m., Friday - 031 - 3:05 p.m., Wednesday - 092 - 8:00 a.m., Thursday - 009 - 9:55 a.m., Wednesday - 048 - 4:30 p.m., Thursday - 093 - 1:10 p.m., Friday - 027 - 9:55 a.m., Thursday - 101 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Wednesday - 050 - 2:35 p.m., Sunday - 048 - 9:55 a.m., Thursday - 088 - 3:05 p.m., Friday - 027 - 8:00 a.m., Saturday - 074 - 1:10 p.m., Thursday - 103 - 8:00 a.m., Thursday - 037 - 9:55 a.m., Thursday - 037 - 1:10 p.m., Saturday - 094 - 9:55 a.m., Saturday - 094 - 1:10 p.m., Wednesday - 049 - 8:00 a.m., Wednesday - 051 - 12:40 p.m., Friday - 016 - 9:55 a.m., Friday - 086 - 9:55 a.m., Saturday - 073 - 9:55 a.m., Sunday - 066 - 3:55 p.m., Friday - 084 - 8:00 a.m., Wednesday - 090 - 4:30 p.m., Wednesday - 057 - 8:00 a.m., Wednesday - 039 - 2:35 p.m., Sunday - 060 - 8:00 a.m., Saturday - 006 - 5:00 p.m., Saturday - 009 - 1:10 p.m., Wednesday - 051 - 2:35 p.m., Thursday - 052 - 5:00 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Sunday - 081 - 8:00 a.m., Friday - 010 - 9:55 a.m., Friday - 010 - 1:10 p.m., Thursday - 060 - 1:10 p.m., Sunday - 020 - 8:00 a.m., Saturday - 033 - 8:00 a.m., Thursday - 018 - 8:00 a.m., Thursday - 101 - 9:55 a.m., Friday - 031 - 1:10 p.m., Sunday - 041 - 8:00 a.m., Thursday - 084 - 3:05 p.m., Friday - 040 - 5:00 p.m., Thursday - 009 - 1:10 p.m., Thursday - 084 - 9:55 a.m., Wednesday - 083 - 8:00 a.m., Sunday - 027 - 3:55 p.m., Saturday - 023 - 1:10 p.m., Thursday - 049 - 3:05 p.m., Wednesday - 083 - 12:40 p.m., Saturday - 067 - 8:00 a.m., Thursday - 054 - 8:00 a.m., Thursday - 054 - 9:55 a.m., Saturday - 101 - 9:55 a.m., Friday - 088 - 5:00 p.m., Thursday - 101 - 1:10 p.m., Thursday - 103 - 9:55 a.m., Thursday - 103 - 1:10 p.m., Thursday - 084 - 1:10 p.m., Saturday - 067 - 9:55 a.m., Thursday - 084 - 5:00 p.m., Saturday - 067 - 1:10 p.m., Thursday - 086 - 3:05 p.m., Saturday - 033 - 9:55 a.m., Wednesday - 092 - 9:55 a.m., Thursday - 049 - 5:00 p.m., Thursday - 088 - 5:00 p.m., Saturday - 039 - 3:05 p.m., Wednesday - 084 - 12:40 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 4:30 p.m., Friday - 050 - 9:55 a.m., Friday - 010 - 3:05 p.m., Friday - 027 - 3:05 p.m., Saturday - 032 - 9:55 a.m., Saturday - 032 - 1:10 p.m., Thursday - 098 - 1:10 p.m., Friday - 035 - 8:00 a.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 2:00 p.m., Sunday - 058 - 3:55 p.m., Saturday - 023 - 3:05 p.m., Friday - 027 - 1:10 p.m., Thursday - 086 - 5:00 p.m., Wednesday - 057 - 2:35 p.m., Wednesday - 057 - 4:30 p.m., Friday - 100 - 5:00 p.m., Friday - 050 - 1:10 p.m., Saturday - 019 - 9:55 a.m., Saturday - 019 - 8:00 a.m., Wednesday - 057 - 9:55 a.m., Saturday - 039 - 5:00 p.m., Thursday - 018 - 9:55 a.m., Friday - 037 - 3:05 p.m., Thursday - 012 - 1:10 p.m., Thursday - 012 - 3:05 p.m., Friday - 100 - 8:00 a.m., Thursday - 082 - 1:10 p.m., Saturday - 019 - 3:05 p.m., Friday - 035 - 9:55 a.m., Thursday - 017 - 9:55 a.m., Sunday - 041 - 9:55 a.m., Friday - 008 - 5:00 p.m., Thursday - 082 - 5:00 p.m., Saturday - 063 - 1:10 p.m., Sunday - 091 - 9:55 a.m., Sunday - 091 - 8:00 a.m., Wednesday - 034 - 2:35 p.m., Wednesday - 034 - 4:30 p.m., Saturday - 080 - 1:10 p.m., Friday - 072 - 8:00 a.m., Friday - 072 - 9:55 a.m., Friday - 072 - 3:05 p.m., Wednesday - 050 - 4:30 p.m., Saturday - 033 - 1:10 p.m., Friday - 032 - 5:00 p.m., Friday - 086 - 5:00 p.m., Thursday - 082 - 3:05 p.m., Friday - 084 - 9:55 a.m., Sunday - 041 - 2:00 p.m., Friday - 027 - 5:00 p.m., Friday - 032 - 8:00 a.m., Friday - 032 - 9:55 a.m., Thursday - 065 - 8:00 a.m., Saturday - 054 - 5:00 p.m., Friday - 032 - 1:10 p.m., Thursday - 049 - 6:50 p.m., Friday - 036 - 5:00 p.m.

Cultural Geography Specialty Group

Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 8:00 a.m., Sunday - 070 - 9:55 a.m., Wednesday - 034 - 9:55 a.m., Saturday - 084 - 8:00 a.m., Wednesday - 070 - 8:00 a.m., Friday - 098 - 8:00 a.m., Friday - 043.2 - 3:05 p.m., Friday - 034 - 3:05 p.m., Friday -

091 - 5:00 p.m., Friday - 068 - 8:00 a.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 9:55 a.m., Wednesday - 086 - 2:35 p.m., Thursday - 074 - 3:05 p.m., Wednesday - 038 - 9:55 a.m., Sunday - 090 - 2:00 p.m., Friday - 043.1 - 9:55 a.m., Wednesday - 012 - 2:35 p.m., Thursday - 033 - 3:05 p.m., Friday - 035 - 1:10 p.m., Thursday - 098 - 8:00 a.m., Thursday - 038 - 3:05 p.m., Sunday - 066 - 3:55 p.m., Wednesday - 094 - 12:40 p.m., Thursday - 027 - 3:05 p.m., Friday - 035 - 3:05 p.m., Wednesday - 086 - 8:00 a.m., Wednesday - 086 - 9:55 a.m., Friday - 086 - 3:05 p.m., Saturday - 070 - 1:10 p.m., Saturday - 054 - 3:05 p.m., Friday - 034 - 1:10 p.m., Thursday - 090 - 3:05 p.m., Thursday - 028 - 5:00 p.m., Saturday - 028 - 5:00 p.m., Sunday - 090 - 3:55 p.m., Sunday - 026 - 8:00 a.m., Saturday - 012 - 1:10 p.m., Thursday - 080 - 8:00 a.m., Wednesday - 086 - 12:40 p.m., Sunday - 005 - 8:00 a.m., Thursday - 098 - 9:55 a.m., Friday - 007 - 1:10 p.m., Friday - 103 - 8:00 a.m., Saturday - 006 - 8:00 a.m., Saturday - 006 - 9:55 a.m., Saturday - 032 - 8:00 a.m., Sunday - 048 - 2:00 p.m., Sunday - 048 - 3:55 p.m., Friday - 047 - 1:10 p.m., Thursday - 033 - 5:00 p.m., Saturday - 041 - 8:00 a.m., Wednesday - 094 - 2:35 p.m., Wednesday - 094 - 4:30 p.m., Thursday - 099 - 5:00 p.m., Wednesday - 086 - 4:30 p.m., Friday - 065 - 3:05 p.m., Friday - 098 - 9:55 a.m., Friday - 016 - 1:10 p.m., Friday - 023 - 5:00 p.m., Wednesday - 034 - 12:40 p.m., Saturday - 009 - 8:00 a.m., Friday - 074 - 3:05 p.m., Thursday - 017 - 1:10 p.m., Thursday - 017 - 3:05 p.m., Wednesday - 037 - 8:00 a.m., Saturday - 010 - 5:00 p.m., Thursday - 017 - 5:00 p.m., Friday - 024 - 8:00 a.m., Saturday - 009 - 9:55 a.m., Saturday - 010 - 3:05 p.m., Saturday - 041 - 9:55 a.m., Friday - 024 - 9:55 a.m., Friday - 092 - 5:00 p.m., Friday - 060 - 8:00 a.m., Friday - 060 - 9:55 a.m., Friday - 060 - 1:10 p.m., Wednesday - 093 - 2:35 p.m., Sunday - 026 - 9:55 a.m., Thursday - 008 - 8:00 a.m., Thursday - 008 - 9:55 a.m., Saturday - 025 - 3:05 p.m., Friday - 034 - 5:00 p.m., Wednesday - 093 - 4:30 p.m., Wednesday - 053 - 4:30 p.m., Friday - 058 - 11:45 a.m., Saturday - 080 - 3:05 p.m.

Cyberinfrastructure Specialty Group

Friday - 041 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Friday - 055 - 8:00 a.m., Wednesday - 001 - 12:40 p.m., Thursday - 035 - 5:00 p.m., Saturday - 091 - 1:10 p.m., Friday - 055 - 9:55 a.m., Friday - 055 - 3:05 p.m., Thursday - 097 - 1:10 p.m., Friday - 041 - 5:00 p.m., Thursday - 097 - 3:05 p.m., Thursday - 011 - 8:00 a.m., Thursday - 091 - 8:00 a.m., Friday - 033 - 3:05 p.m., Thursday - 027 - 5:00 p.m., Thursday - 097 - 8:00 a.m., Friday - 036 - 8:00 a.m., Thursday - 035 - 3:05 p.m., Thursday - 035 - 1:10 p.m., Friday - 033 - 1:10 p.m., Saturday - 055 - 8:00 a.m., Friday - 041 - 9:55 a.m., Wednesday - 001 - 2:35 p.m., Wednesday - 008 - 4:30 p.m., Friday - 041 - 1:10 p.m., Friday - 041 - 3:05 p.m., Thursday - 097 - 9:55 a.m., Thursday - 091 - 9:55 a.m., Thursday - 091 - 1:10 p.m., Thursday - 091 - 3:05 p.m., Friday - 091 - 1:10 p.m., Friday - 091 - 9:55 a.m., Friday - 055 - 5:00 p.m., Saturday - 091 - 9:55 a.m., Thursday - 091 - 5:00 p.m., Friday - 061 - 11:45 a.m.

Development Geographies Specialty Group

Sunday - 070 - 9:55 a.m., Saturday - 094 - 8:00 a.m., Friday - 065 - 1:10 p.m., Friday - 031 - 3:05 p.m., Friday - 018 - 1:10 p.m., Friday - 027 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Wednesday - 050 - 2:35 p.m., Friday - 027 - 8:00 a.m., Thursday - 094 - 3:05 p.m., Saturday - 094 - 9:55 a.m., Saturday - 094 - 1:10 p.m., Friday - 084 - 8:00 a.m., Thursday - 005 - 9:55 a.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Thursday - 005 - 1:10 p.m., Saturday - 033 - 8:00 a.m., Thursday - 018 - 8:00 a.m., Friday - 031 - 1:10 p.m., Sunday - 041 - 8:00 a.m., Thursday - 005 - 8:00 a.m., Friday - 006 - 8:00 a.m., Friday - 006 - 9:55 a.m., Thursday - 049 - 3:05 p.m., Friday - 088 - 5:00 p.m., Thursday - 086 - 3:05 p.m., Saturday - 033 - 9:55 a.m., Thursday - 049 - 5:00 p.m., Friday - 027 - 3:05 p.m., Thursday - 086 - 5:00 p.m., Thursday - 018 - 9:55 a.m., Friday - 100 - 8:00 a.m., Saturday - 012 - 3:05 p.m., Sunday - 041 - 9:55 a.m., Wednesday - 050 - 4:30 p.m., Saturday - 033 - 1:10 p.m., Friday - 084 - 9:55 a.m., Sunday - 041 - 2:00 p.m., Friday - 027 - 5:00 p.m., Thursday - 025 - 1:10 p.m., Friday - 032 - 1:10 p.m., Friday - 010 - 11:45 a.m., Saturday - 074 - 9:55 a.m.

Digital Geographies Specialty Group

Friday - 023 - 9:55 a.m., Saturday - 023 - 8:00 a.m., Wednesday - 038 - 2:35 p.m., Wednesday - 065 - 12:40 p.m., Friday - 065 - 5:00 p.m., Saturday - 001 - 5:00 p.m., Saturday - 035 - 8:00 a.m., Friday - 084 - 3:05 p.m., Thursday - 100 - 8:00 a.m., Thursday - 056 - 1:10 p.m., Wednesday - 092 - 12:40 p.m., Saturday - 036 - 8:00 a.m., Wednesday - 032 - 2:35 p.m., Thursday - 017 - 8:00 a.m., Saturday - 023 - 9:55 a.m., Thursday - 057 - 1:10 p.m., Saturday - 093 - 5:00 p.m., Wednesday - 012 - 8:00 a.m., Wednesday - 012 - 9:55 a.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 9:55 a.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 3:05 p.m., Wednesday - 065 - 2:35 p.m., Saturday - 036 - 9:55 a.m., Friday - 023 - 8:00 a.m., Friday - 023 - 1:10 p.m., Friday - 038 - 8:00 a.m., Friday - 038 - 9:55 a.m., Thursday - 051 - 5:00 p.m., Wednesday - 092 - 9:55 a.m., Saturday - 089 - 8:00 a.m., Thursday - 060 - 5:00 p.m., Sunday - 004 - 8:00 a.m., Sunday - 004 - 9:55 a.m., Thursday - 080 - 1:10 p.m., Friday - 031 - 5:00 p.m., Friday - 037 - 1:10 p.m., Friday - 037 - 9:55 a.m., Thursday - 100 - 9:55 a.m., Saturday - 089 - 9:55 a.m., Thursday - 041 - 8:00 a.m., Friday - 084 - 5:00 p.m., Saturday - 001 - 3:05 p.m., Friday - 074 - 3:05 p.m., Saturday - 041 - 9:55 a.m., Thursday - 072 - 5:00 p.m.,

SPECIALTY AND AFFINITY GROUP SESSIONS INDEX

Saturday - 089 - 1:10 p.m., Friday - 016 - 8:00 a.m., Friday - 028 - 11:45 a.m.

Disability Specialty Group

Saturday - 018 - 1:10 p.m., Saturday - 018 - 3:05 p.m., Saturday - 004 - 9:55 a.m., Saturday - 018 - 5:00 p.m., Saturday - 068 - 3:05 p.m., Thursday - 031 - 6:50 p.m.

Economic Geography Specialty Group

Thursday - 086 - 8:00 a.m., Friday - 070 - 3:05 p.m., Wednesday - 034 - 9:55 a.m., Wednesday - 041 - 2:35 p.m., Saturday - 038 - 5:00 p.m., Saturday - 036 - 1:10 p.m., Friday - 001 - 8:00 a.m., Saturday - 095 - 1:10 p.m., Wednesday - 012 - 12:40 p.m., Thursday - 092 - 1:10 p.m., Wednesday - 092 - 8:00 a.m., Friday - 086 - 1:10 p.m., Saturday - 050 - 8:00 a.m., Saturday - 102 - 1:10 p.m., Friday - 092 - 1:10 p.m., Friday - 100 - 9:55 a.m., Wednesday - 065 - 4:30 p.m., Thursday - 086 - 9:55 a.m., Friday - 100 - 1:10 p.m., Saturday - 036 - 3:05 p.m., Saturday - 036 - 5:00 p.m., Thursday - 081 - 3:05 p.m., Thursday - 081 - 5:00 p.m., Friday - 005 - 8:00 a.m., Wednesday - 081 - 8:00 a.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 9:55 a.m., Saturday - 097 - 1:10 p.m., Friday - 084 - 8:00 a.m., Wednesday - 012 - 4:30 p.m., Wednesday - 039 - 2:35 p.m., Wednesday - 012 - 8:00 a.m., Wednesday - 012 - 9:55 a.m., Saturday - 050 - 9:55 a.m., Wednesday - 037 - 4:30 p.m., Saturday - 088 - 1:10 p.m., Sunday - 020 - 8:00 a.m., Wednesday - 081 - 9:55 a.m., Wednesday - 081 - 12:40 p.m., Wednesday - 081 - 2:35 p.m., Wednesday - 081 - 4:30 p.m., Thursday - 081 - 8:00 a.m., Friday - 094 - 5:00 p.m., Saturday - 095 - 3:05 p.m., Sunday - 084 - 8:00 a.m., Saturday - 026 - 3:05 p.m., Thursday - 081 - 9:55 a.m., Sunday - 038 - 2:00 p.m., Friday - 005 - 9:55 a.m., Friday - 005 - 1:10 p.m., Thursday - 081 - 1:10 p.m., Wednesday - 041 - 4:30 p.m., Thursday - 041 - 9:55 a.m., Wednesday - 082 - 12:40 p.m., Thursday - 080 - 1:10 p.m., Saturday - 080 - 8:00 a.m., Saturday - 080 - 9:55 a.m., Saturday - 032 - 8:00 a.m., Saturday - 032 - 9:55 a.m., Saturday - 032 - 1:10 p.m., Friday - 001 - 5:00 p.m., Friday - 099 - 1:10 p.m., Friday - 099 - 3:05 p.m., Friday - 099 - 5:00 p.m., Saturday - 004 - 1:10 p.m., Saturday - 004 - 3:05 p.m., Saturday - 003 - 5:00 p.m., Wednesday - 037 - 2:35 p.m., Friday - 006 - 5:00 p.m., Friday - 001 - 9:55 a.m., Friday - 001 - 1:10 p.m., Friday - 001 - 3:05 p.m., Friday - 005 - 5:00 p.m., Friday - 083 - 5:00 p.m., Friday - 092 - 3:05 p.m., Saturday - 099 - 8:00 a.m., Thursday - 016 - 9:55 a.m., Wednesday - 034 - 12:40 p.m., Sunday - 089 - 3:55 p.m., Saturday - 095 - 5:00 p.m., Thursday - 023 - 1:10 p.m., Thursday - 023 - 3:05 p.m., Thursday - 023 - 5:00 p.m., Saturday - 026 - 5:00 p.m., Saturday - 098 - 1:10 p.m., Saturday - 098 - 9:55 a.m., Saturday - 098 - 8:00 a.m., Saturday - 027 - 8:00 a.m., Saturday - 099 - 9:55 a.m., Friday - 084 - 9:55 a.m., Thursday - 019 - 3:05 p.m., Saturday - 088 - 11:45 a.m.

Energy and Environment Specialty Group

Wednesday - 091 - 4:30 p.m., Thursday - 023 - 8:00 a.m., Friday - 009 - 8:00 a.m., Saturday - 038 - 8:00 a.m., Saturday - 067 - 3:05 p.m., Sunday - 094 - 9:55 a.m., Friday - 064 - 1:10 p.m., Saturday - 038 - 9:55 a.m., Thursday - 025 - 8:00 a.m., Wednesday - 058 - 12:40 p.m., Thursday - 092 - 3:05 p.m., Saturday - 033 - 8:00 a.m., Friday - 063 - 5:00 p.m., Thursday - 084 - 9:55 a.m., Thursday - 025 - 9:55 a.m., Thursday - 084 - 1:10 p.m., Thursday - 084 - 5:00 p.m., Saturday - 033 - 9:55 a.m., Wednesday - 084 - 12:40 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 4:30 p.m., Saturday - 032 - 8:00 a.m., Saturday - 032 - 9:55 a.m., Saturday - 032 - 1:10 p.m., Saturday - 067 - 5:00 p.m., Thursday - 012 - 1:10 p.m., Thursday - 012 - 3:05 p.m., Saturday - 033 - 1:10 p.m., Thursday - 064 - 1:10 p.m., Thursday - 064 - 3:05 p.m., Friday - 057 - 11:45 a.m.

Enhancing Departments and Graduate Education project (EDGE)

Environmental Perception and Behavioral Geography Specialty Group

Friday - 098 - 8:00 a.m., Friday - 074 - 1:10 p.m., Thursday - 074 - 3:05 p.m., Saturday - 101 - 1:10 p.m., Friday - 088 - 3:05 p.m., Wednesday - 032 - 12:40 p.m., Saturday - 043.1 - 8:00 a.m., Sunday - 060 - 8:00 a.m., Friday - 098 - 9:55 a.m., Saturday - 063 - 1:10 p.m., Saturday - 101 - 3:05 p.m., Thursday - 072 - 5:00 p.m., Saturday - 101 - 5:00 p.m., Friday - 008 - 11:45 a.m.

Esri

Ethics, Justice, and Human Rights Specialty Group

Friday - 009 - 9:55 a.m., Friday - 009 - 8:00 a.m., Wednesday - 087 - 12:40 p.m., Saturday - 088 - 9:55 a.m., Friday - 012 - 1:10 p.m., Wednesday - 083 - 9:55 a.m., Wednesday - 087 - 2:35 p.m., Friday - 083 - 5:00 p.m., Friday - 012 - 3:05 p.m.

Ethnic Geography Specialty Group

Wednesday - 070 - 8:00 a.m., Wednesday - 070 - 9:55 a.m., Wednesday - 037 - 9:55 a.m., Friday - 026 - 1:10 p.m., Thursday - 016 - 1:10 p.m., Friday - 026 - 3:05 p.m., Saturday - 070 - 1:10 p.m., Thursday - 028 - 1:10 p.m., Friday - 090 - 3:05 p.m., Sunday - 074 - 8:00 a.m., Friday - 026 - 5:00 p.m., Thursday - 043.8 - 1:10 p.m., Saturday - 088 - 5:00 p.m., Thursday - 036 - 6:50 p.m., Thursday - 036 - 5:00 p.m.

Eurasian Specialty Group

Friday - 103 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Saturday - 019 - 5:00 p.m., Friday - 103 - 1:10 p.m., Saturday - 084 - 1:10 p.m., Saturday - 019 - 9:55 a.m., Saturday - 019 - 8:00 a.m., Saturday - 019 - 3:05 p.m., Friday - 019 - 5:00 p.m., Friday - 022 - 8:00 a.m., Saturday - 026 - 11:45 a.m.

European Specialty Group

Thursday - 102 - 1:10 p.m., Friday - 009 - 9:55 a.m., Saturday - 064 - 8:00 a.m., Saturday - 064 - 9:55 a.m., Thursday - 033 - 6:50 p.m.

Film-Making and Screening Specialty Group

Friday - 016 - 8:00 a.m., Friday - 020 - 11:45 a.m.

Geographic Information Science and Systems Specialty Group

Friday - 060 - 3:05 p.m., Wednesday - 054 - 2:35 p.m., Saturday - 023 - 8:00 a.m., Sunday - 063 - 2:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 072 - 1:10 p.m., Friday - 065 - 5:00 p.m., Friday - 004 - 1:10 p.m., Wednesday - 001 - 12:40 p.m., Wednesday - 067 - 9:55 a.m., Saturday - 091 - 1:10 p.m., Thursday - 072 - 3:05 p.m., Thursday - 065 - 5:00 p.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 3:05 p.m., Friday - 067 - 9:55 a.m., Friday - 067 - 8:00 a.m., Wednesday - 087 - 4:30 p.m., Friday - 087 - 8:00 a.m., Friday - 033.5 - 5:00 p.m., Sunday - 069 - 8:00 a.m., Wednesday - 032 - 12:40 p.m., Sunday - 001 - 8:00 a.m., Thursday - 097 - 1:10 p.m., Friday - 041 - 5:00 p.m., Saturday - 023 - 9:55 a.m., Thursday - 056 - 3:05 p.m., Friday - 091 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Friday - 091 - 8:00 a.m., Wednesday - 067 - 12:40 p.m., Friday - 004 - 3:05 p.m., Thursday - 091 - 8:00 a.m., Wednesday - 049 - 8:00 a.m., Thursday - 067 - 5:00 p.m., Friday - 033 - 3:05 p.m., Wednesday - 008 - 12:40 p.m., Wednesday - 012 - 8:00 a.m., Wednesday - 012 - 9:55 a.m., Thursday - 097 - 8:00 a.m., Friday - 036 - 8:00 a.m., Thursday - 035 - 3:05 p.m., Thursday - 035 - 1:10 p.m., Friday - 033 - 1:10 p.m., Wednesday - 067 - 2:35 p.m., Friday - 060 - 5:00 p.m., Friday - 041 - 9:55 a.m., Sunday - 001 - 9:55 a.m., Wednesday - 001 - 2:35 p.m., Saturday - 034 - 8:00 a.m., Saturday - 034 - 9:55 a.m., Saturday - 025 - 9:55 a.m., Wednesday - 008 - 4:30 p.m., Friday - 041 - 1:10 p.m., Friday - 041 - 3:05 p.m., Thursday - 097 - 9:55 a.m., Thursday - 091 - 9:55 a.m., Thursday - 091 - 1:10 p.m., Thursday - 091 - 3:05 p.m., Friday - 091 - 1:10 p.m., Friday - 091 - 9:55 a.m., Friday - 087 - 9:55 a.m., Saturday - 034 - 1:10 p.m., Thursday - 058 - 8:00 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 1:10 p.m., Wednesday - 008 - 2:35 p.m., Saturday - 033.5 - 8:00 a.m., Friday - 047 - 9:55 a.m., Thursday - 090 - 1:10 p.m., Thursday - 058 - 3:05 p.m., Saturday - 091 - 9:55 a.m., Thursday - 058 - 5:00 p.m., Friday - 058 - 5:00 p.m., Thursday - 091 - 5:00 p.m., Sunday - 069 - 9:55 a.m., Sunday - 069 - 2:00 p.m., Sunday - 069 - 3:55 p.m., Friday - 093 - 5:00 p.m., Friday - 066 - 9:55 a.m., Wednesday - 054 - 4:30 p.m., Saturday - 016 - 8:00 a.m., Friday - 067 - 1:10 p.m., Saturday - 053 - 3:05 p.m., Friday - 047 - 11:45 a.m.

Geographic Perspectives on Women Specialty Group

Thursday - 070 - 8:00 a.m., Thursday - 068 - 5:00 p.m., Saturday - 018 - 1:10 p.m., Saturday - 018 - 3:05 p.m., Friday - 068 - 3:05 p.m., Wednesday - 038 - 4:30 p.m., Wednesday - 041 - 2:35 p.m., Thursday - 026 - 1:10 p.m., Saturday - 061 - 8:00 a.m., Saturday - 088 - 9:55 a.m., Sunday - 024 - 2:00 p.m., Saturday - 018 - 5:00 p.m., Saturday - 069 - 8:00 a.m., Saturday - 008 - 5:00 p.m., Thursday - 012 - 5:00 p.m., Friday - 099 - 9:55 a.m., Friday - 035 - 1:10 p.m., Saturday - 073 - 9:55 a.m., Friday - 035 - 3:05 p.m., Saturday - 009 - 1:10 p.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 9:55 a.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 3:05 p.m., Saturday - 061 - 9:55 a.m., Thursday - 084 - 3:05 p.m., Saturday - 028 - 5:00 p.m., Sunday - 038 - 9:55 a.m., Wednesday - 041 - 4:30 p.m., Thursday - 041 - 9:55 a.m., Wednesday - 087 - 8:00 a.m., Saturday - 039 - 3:05 p.m., Friday - 027 - 1:10 p.m., Sunday - 024 - 3:55 p.m., Saturday - 039 - 5:00 p.m., Wednesday - 003 - 4:30 p.m., Saturday - 010 - 5:00 p.m., Thursday - 026 - 3:05 p.m., Saturday - 010 - 3:05 p.m., Sunday - 023 - 9:55 a.m., Saturday - 068 - 1:10 p.m., Saturday - 016 - 1:10 p.m., Friday - 093 - 8:00 a.m., Friday - 093 - 9:55 a.m., Saturday - 049 - 11:45 a.m.

Geographies of Food and Agriculture Specialty Group

Friday - 022 - 5:00 p.m., Friday - 037 - 5:00 p.m., Wednesday - 035 - 4:30 p.m., Friday - 073 - 1:10 p.m., Friday - 073 - 3:05 p.m., Friday - 017 - 9:55 a.m., Saturday - 094 - 8:00 a.m., Friday - 031 - 3:05 p.m., Saturday - 039 - 8:00 a.m., Saturday - 033.5 - 1:10 p.m., Saturday - 101 - 1:10 p.m., Thursday - 028 - 9:55 a.m., Thursday - 026 - 8:00 a.m., Wednesday - 068 - 4:30 p.m., Thursday - 101 - 8:00 a.m., Wednesday - 035 - 8:00 a.m., Saturday - 066 - 8:00 a.m., Saturday - 094 - 9:55 a.m., Saturday - 094 - 1:10 p.m., Thursday - 026 - 9:55 a.m., Thursday - 101 - 9:55 a.m., Friday - 031 - 1:10 p.m., Friday - 054 - 8:00 a.m., Saturday - 074 - 3:05 p.m., Saturday - 074 - 5:00 p.m., Sunday - 019 - 2:00 p.m., Thursday - 101 - 1:10 p.m., Thursday - 101 - 5:00 p.m., Wednesday - 035 - 2:35 p.m., Saturday - 066 - 9:55 a.m., Wednesday - 035 - 9:55 a.m., Wednesday - 035 - 12:40 p.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 2:00 p.m., Sunday - 058 - 3:55 p.m., Friday - 101 - 5:00 p.m., Saturday - 039 - 9:55 a.m., Friday - 100 - 5:00 p.m., Friday - 026 - 8:00 a.m., Friday - 037 - 3:05 p.m., Thursday - 012 - 1:10 p.m., Thursday

SPECIALTY AND AFFINITY GROUP SESSIONS INDEX

- 012 - 3:05 p.m., Friday - 100 - 8:00 a.m., Friday - 073 - 5:00 p.m., Saturday - 101 - 3:05 p.m., Saturday - 060 - 9:55 a.m., Sunday - 058 - 8:00 a.m., Saturday - 016 - 1:10 p.m., Thursday - 065 - 8:00 a.m., Thursday - 065 - 9:55 a.m., Friday - 026 - 9:55 a.m., Saturday - 101 - 5:00 p.m., Thursday - 060 - 6:50 p.m.

Geography Education Specialty Group

Friday - 006 - 1:10 p.m., Thursday - 016 - 3:05 p.m., Wednesday - 051 - 4:30 p.m., Friday - 039 - 1:10 p.m., Thursday - 016 - 5:00 p.m., Thursday - 009 - 8:00 a.m., Friday - 043.3 - 9:55 a.m., Thursday - 027 - 1:10 p.m., Wednesday - 032 - 2:35 p.m., Thursday - 017 - 8:00 a.m., Friday - 057 - 3:05 p.m., Thursday - 070 - 3:05 p.m., Saturday - 037 - 8:00 a.m., Saturday - 037 - 1:10 p.m., Saturday - 037 - 3:05 p.m., Friday - 063 - 5:00 p.m., Friday - 069 - 8:00 a.m., Thursday - 003 - 9:55 a.m., Sunday - 005 - 8:00 a.m., Saturday - 025 - 9:55 a.m., Friday - 006 - 3:05 p.m., Friday - 039 - 9:55 a.m., Saturday - 037 - 9:55 a.m., Wednesday - 050 - 12:40 p.m., Saturday - 088 - 3:05 p.m., Thursday - 068 - 8:00 a.m., Friday - 039 - 8:00 a.m., Friday - 019 - 8:00 a.m., Friday - 027 - 11:45 a.m.

Geography Faculty Development Alliance (GFDA)

Friday - 016 - 9:55 a.m., Saturday - 068 - 1:10 p.m.

Geography of Religions and Belief Systems Specialty Group

Wednesday - 082 - 2:35 p.m., Wednesday - 082 - 4:30 p.m., Wednesday - 082 - 9:55 a.m.

Geography of Wine, Beer, and Spirits Specialty Group

Thursday - 026 - 8:00 a.m., Wednesday - 068 - 4:30 p.m., Thursday - 026 - 9:55 a.m., Wednesday - 083 - 2:35 p.m., Friday - 026 - 8:00 a.m., Friday - 026 - 9:55 a.m., Friday - 070 - 11:45 a.m.

Geomorphology Specialty Group

Saturday - 065 - 8:00 a.m., Friday - 033.5 - 5:00 p.m., Friday - 054 - 9:55 a.m., Wednesday - 056 - 8:00 a.m., Wednesday - 056 - 9:55 a.m., Friday - 043.4 - 8:00 a.m., Saturday - 065 - 9:55 a.m., Saturday - 065 - 3:05 p.m., Thursday - 065 - 6:50 p.m., Thursday - 039 - 3:05 p.m.

Graduate Student Affinity Group

Wednesday - 069 - 8:00 a.m., Thursday - 069 - 8:00 a.m., Friday - 068 - 3:05 p.m., Friday - 070 - 8:00 a.m., Thursday - 027 - 1:10 p.m., Friday - 070 - 1:10 p.m., Saturday - 068 - 3:05 p.m., Friday - 068 - 1:10 p.m., Friday - 068 - 5:00 p.m., Friday - 026 - 5:00 p.m., Friday - 049 - 6:50 p.m.

Harassment-Free AAG Initiative

Wednesday - 088 - 9:55 a.m., Thursday - 070 - 8:00 a.m., Thursday - 069 - 8:00 a.m., Friday - 068 - 3:05 p.m., Thursday - 092 - 9:55 a.m., Saturday - 069 - 8:00 a.m., Sunday - 019 - 8:00 a.m., Friday - 020 - 8:00 a.m., Friday - 016 - 9:55 a.m., Thursday - 010 - 8:00 a.m., Thursday - 010 - 9:55 a.m., Sunday - 019 - 9:55 a.m., Friday - 017 - 1:10 p.m., Thursday - 101 - 3:05 p.m., Thursday - 031 - 5:00 p.m., Thursday - 031 - 3:05 p.m., Thursday - 031 - 1:10 p.m., Wednesday - 009 - 12:40 p.m., Wednesday - 009 - 2:35 p.m., Wednesday - 009 - 4:30 p.m., Sunday - 023 - 9:55 a.m., Saturday - 068 - 1:10 p.m., Saturday - 088 - 5:00 p.m., Friday - 074 - 8:00 a.m., Saturday - 068 - 8:00 a.m.

Hazards, Risks, and Disasters Specialty Group

Friday - 002 - 3:05 p.m., Saturday - 061 - 3:05 p.m., Friday - 034 - 3:05 p.m., Friday - 072 - 5:00 p.m., Thursday - 048 - 8:00 a.m., Wednesday - 087 - 4:30 p.m., Friday - 087 - 1:10 p.m., Friday - 087 - 8:00 a.m., Wednesday - 048 - 4:30 p.m., Sunday - 068 - 9:55 a.m., Thursday - 048 - 9:55 a.m., Thursday - 048 - 1:10 p.m., Thursday - 048 - 3:05 p.m., Friday - 048 - 8:00 a.m., Friday - 048 - 5:00 p.m., Thursday - 033.5 - 8:00 a.m., Sunday - 068 - 8:00 a.m., Friday - 034 - 1:10 p.m., Friday - 048 - 9:55 a.m., Thursday - 004 - 1:10 p.m., Friday - 087 - 3:05 p.m., Friday - 048 - 1:10 p.m., Friday - 048 - 3:05 p.m., Saturday - 048 - 8:00 a.m., Friday - 087 - 9:55 a.m., Saturday - 033.5 - 9:55 a.m., Friday - 088 - 1:10 p.m., Friday - 087 - 5:00 p.m., Saturday - 048 - 9:55 a.m., Thursday - 068 - 6:50 p.m.

Health and Medical Geography Specialty Group

Saturday - 074 - 8:00 a.m., Saturday - 082 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Friday - 055 - 8:00 a.m., Saturday - 055 - 9:55 a.m., Saturday - 060 - 3:05 p.m., Friday - 055 - 9:55 a.m., Friday - 055 - 3:05 p.m., Wednesday - 092 - 8:00 a.m., Thursday - 056 - 3:05 p.m., Thursday - 060 - 1:10 p.m., Saturday - 055 - 3:05 p.m., Sunday - 004 - 8:00 a.m., Thursday - 060 - 3:05 p.m., Saturday - 055 - 5:00 p.m., Saturday - 073 - 1:10 p.m., Friday - 055 - 5:00 p.m., Thursday - 053 - 5:00 p.m., Thursday - 061 - 5:00 p.m., Friday - 048 - 11:45 a.m., Saturday - 074 - 9:55 a.m., Friday - 009 - 5:00 p.m.

Historical Geography Specialty Group

Thursday - 099 - 3:05 p.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 9:55 a.m., Thursday - 074 - 3:05 p.m., Thursday - 093 - 1:10 p.m., Sunday - 068 - 9:55 a.m., Thursday - 033 - 3:05 p.m., Thursday - 027 - 3:05 p.m., Thursday - 025 - 8:00 a.m., Thursday - 025 - 9:55 a.m., Saturday - 006 - 9:55 a.m., Saturday - 004 - 8:00 a.m., Friday - 047 - 1:10 p.m., Thursday - 033 - 5:00 p.m., Thursday - 099 - 5:00 p.m., Friday - 008 -

1:10 p.m., Friday - 008 - 3:05 p.m., Friday - 008 - 5:00 p.m., Saturday - 070 - 8:00 a.m., Saturday - 070 - 9:55 a.m., Friday - 037 - 11:45 a.m., Saturday - 080 - 3:05 p.m.

History of Geography Specialty Group

Thursday - 099 - 3:05 p.m., Saturday - 009 - 3:05 p.m., Saturday - 009 - 5:00 p.m., Thursday - 099 - 5:00 p.m., Friday - 100 - 3:05 p.m., Saturday - 025 - 1:10 p.m., Friday - 026 - 11:45 a.m.

Human Dimensions of Global Change Specialty Group

Friday - 002 - 3:05 p.m., Saturday - 061 - 3:05 p.m., Friday - 073 - 1:10 p.m., Friday - 073 - 3:05 p.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 9:55 a.m., Wednesday - 090 - 12:40 p.m., Wednesday - 090 - 2:35 p.m., Thursday - 088 - 8:00 a.m., Wednesday - 048 - 4:30 p.m., Sunday - 001 - 8:00 a.m., Saturday - 065 - 5:00 p.m., Thursday - 088 - 3:05 p.m., Thursday - 094 - 3:05 p.m., Thursday - 063 - 8:00 a.m., Wednesday - 090 - 4:30 p.m., Wednesday - 058 - 12:40 p.m., Sunday - 060 - 8:00 a.m., Sunday - 081 - 8:00 a.m., Sunday - 068 - 8:00 a.m., Sunday - 041 - 8:00 a.m., Friday - 054 - 8:00 a.m., Friday - 040 - 5:00 p.m., Thursday - 049 - 3:05 p.m., Thursday - 063 - 9:55 a.m., Sunday - 001 - 9:55 a.m., Thursday - 088 - 9:55 a.m., Thursday - 049 - 5:00 p.m., Thursday - 088 - 5:00 p.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 2:00 p.m., Sunday - 058 - 3:55 p.m., Friday - 052 - 3:05 p.m., Thursday - 094 - 5:00 p.m., Sunday - 041 - 9:55 a.m., Thursday - 082 - 5:00 p.m., Friday - 073 - 5:00 p.m., Friday - 066 - 1:10 p.m., Friday - 066 - 3:05 p.m., Friday - 066 - 5:00 p.m., Thursday - 088 - 1:10 p.m., Thursday - 090 - 5:00 p.m., Sunday - 041 - 2:00 p.m., Friday - 066 - 9:55 a.m., Saturday - 054 - 5:00 p.m., Thursday - 065 - 9:55 a.m., Friday - 049 - 11:45 a.m.

Indigenous Peoples Specialty Group

Friday - 102 - 8:00 a.m., Thursday - 067 - 9:55 a.m., Friday - 065 - 1:10 p.m., Friday - 086 - 9:55 a.m., Friday - 086 - 8:00 a.m., Saturday - 068 - 3:05 p.m., Friday - 068 - 1:10 p.m., Friday - 103 - 8:00 a.m., Wednesday - 073 - 12:40 p.m., Wednesday - 031 - 2:35 p.m., Wednesday - 036 - 4:30 p.m., Wednesday - 057 - 2:35 p.m., Wednesday - 057 - 4:30 p.m., Wednesday - 033 - 4:30 p.m., Friday - 065 - 3:05 p.m., Thursday - 032 - 5:00 p.m., Friday - 102 - 9:55 a.m., Wednesday - 033 - 2:35 p.m., Thursday - 032 - 6:50 p.m.

International Network for Learning & Teaching Geography in Higher Education (INLT)

Landscape Specialty Group

Saturday - 101 - 8:00 a.m., Thursday - 020 - 8:00 a.m., Saturday - 060 - 1:10 p.m., Sunday - 025 - 9:55 a.m., Sunday - 064 - 8:00 a.m., Friday - 086 - 3:05 p.m., Saturday - 101 - 9:55 a.m., Saturday - 069 - 5:00 p.m., Wednesday - 093 - 8:00 a.m., Wednesday - 093 - 9:55 a.m., Wednesday - 093 - 12:40 p.m., Friday - 023 - 5:00 p.m., Friday - 092 - 5:00 p.m., Saturday - 069 - 6:50 p.m.

Latin America Specialty Group

Thursday - 038 - 5:00 p.m., Wednesday - 036 - 9:55 a.m., Wednesday - 050 - 2:35 p.m., Thursday - 103 - 8:00 a.m., Wednesday - 051 - 12:40 p.m., Wednesday - 084 - 9:55 a.m., Thursday - 103 - 9:55 a.m., Thursday - 103 - 1:10 p.m., Wednesday - 087 - 8:00 a.m., Wednesday - 036 - 12:40 p.m., Wednesday - 050 - 4:30 p.m., Wednesday - 092 - 4:30 p.m., Saturday - 016 - 1:10 p.m., Friday - 032 - 8:00 a.m., Friday - 032 - 9:55 a.m., Thursday - 057 - 6:50 p.m., Saturday - 100 - 3:05 p.m.

Latinx Geographies Specialty Group

Wednesday - 088 - 9:55 a.m., Thursday - 007 - 8:00 a.m., Thursday - 007 - 9:55 a.m., Thursday - 038 - 5:00 p.m., Thursday - 007 - 1:10 p.m., Saturday - 089 - 5:00 p.m., Sunday - 084 - 8:00 a.m., Friday - 017 - 1:10 p.m., Saturday - 065 - 1:10 p.m., Friday - 100 - 5:00 p.m., Friday - 098 - 1:10 p.m., Wednesday - 009 - 12:40 p.m., Wednesday - 009 - 2:35 p.m., Wednesday - 009 - 4:30 p.m., Sunday - 023 - 9:55 a.m., Friday - 032 - 1:10 p.m., Saturday - 026 - 6:50 p.m.

Legal Geography Specialty Group

Thursday - 066 - 5:00 p.m., Saturday - 007 - 1:10 p.m., Thursday - 093 - 1:10 p.m., Friday - 086 - 1:10 p.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 9:55 a.m., Saturday - 097 - 1:10 p.m., Saturday - 097 - 3:05 p.m., Thursday - 098 - 1:10 p.m., Wednesday - 034 - 2:35 p.m., Wednesday - 034 - 4:30 p.m., Saturday - 007 - 3:05 p.m., Saturday - 007 - 5:00 p.m., Friday - 024 - 1:10 p.m., Friday - 024 - 3:05 p.m., Saturday - 027 - 11:45 a.m.

Media and Communication Geography Specialty Group

Saturday - 090 - 1:10 p.m., Wednesday - 065 - 12:40 p.m., Friday - 098 - 8:00 a.m., Friday - 091 - 5:00 p.m., Thursday - 100 - 8:00 a.m., Friday - 020 - 1:10 p.m., Friday - 087 - 1:10 p.m., Sunday - 086 - 2:00 p.m., Wednesday - 065 - 2:35 p.m., Saturday - 090 - 3:05 p.m., Thursday - 100 - 9:55 a.m., Friday - 087 - 3:05 p.m., Sunday - 086 - 3:55 p.m., Saturday - 041 - 8:00 a.m., Friday - 065 - 3:05 p.m., Friday - 098 - 9:55 a.m., Friday - 074 - 3:05 p.m., Saturday - 103 - 8:00 a.m., Saturday - 043.7 - 8:00 a.m., Thursday - 100 - 5:00 p.m., Saturday - 041 - 9:55 a.m., Saturday - 090 - 5:00 p.m., Friday - 016 - 8:00 a.m., Friday - 087 - 5:00 p.m., Saturday - 103 - 9:55 a.m., Saturday - 103 - 1:10

SPECIALTY AND AFFINITY GROUP SESSIONS INDEX

p.m., Saturday - 103 - 3:05 p.m., Saturday - 103 - 5:00 p.m., Saturday - 056 - 11:45 a.m., Friday - 036 - 1:10 p.m.

Middle East Specialty Group

Saturday - 072 - 5:00 p.m., Friday - 099 - 9:55 a.m., Saturday - 073 - 3:05 p.m., Friday - 034 - 6:50 p.m.

Military Geography Specialty Group

Thursday - 070 - 3:05 p.m., Sunday - 064 - 8:00 a.m., Saturday - 023 - 5:00 p.m., Saturday - 019 - 1:10 p.m., Friday - 032 - 11:45 a.m.

Mountain Geography Specialty Group

Friday - 072 - 5:00 p.m., Friday - 043.5 - 8:00 a.m., Thursday - 066 - 8:00 a.m., Thursday - 066 - 9:55 a.m., Thursday - 066 - 1:10 p.m., Thursday - 066 - 3:05 p.m., Friday - 072 - 8:00 a.m., Friday - 072 - 9:55 a.m., Friday - 072 - 1:10 p.m., Friday - 072 - 3:05 p.m., Wednesday - 049 - 12:40 p.m., Friday - 069 - 6:50 p.m.

Paleoenvironmental Change Specialty Group

Saturday - 052 - 1:10 p.m., Friday - 043.1 - 3:05 p.m., Thursday - 066 - 8:00 a.m., Thursday - 033.5 - 8:00 a.m., Friday - 054 - 9:55 a.m., Friday - 054 - 3:05 p.m., Friday - 054 - 5:00 p.m., Thursday - 066 - 9:55 a.m., Saturday - 052 - 3:05 p.m., Saturday - 052 - 8:00 a.m., Saturday - 052 - 9:55 a.m., Thursday - 066 - 1:10 p.m., Saturday - 052 - 5:00 p.m., Thursday - 066 - 3:05 p.m.

Polar Geography Specialty Group

Friday - 103 - 9:55 a.m., Thursday - 072 - 9:55 a.m., Thursday - 049 - 8:00 a.m., Friday - 103 - 1:10 p.m., Thursday - 049 - 9:55 a.m., Thursday - 055 - 1:10 p.m., Friday - 057 - 1:10 p.m., Friday - 098 - 11:45 a.m.

Political Geography Specialty Group

Sunday - 040 - 8:00 a.m., Friday - 061 - 1:10 p.m., Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 8:00 a.m., Thursday - 099 - 3:05 p.m., Saturday - 007 - 1:10 p.m., Sunday - 070 - 9:55 a.m., Wednesday - 007 - 2:35 p.m., Thursday - 069 - 8:00 a.m., Friday - 037 - 5:00 p.m., Saturday - 084 - 8:00 a.m., Wednesday - 070 - 8:00 a.m., Friday - 008 - 9:55 a.m., Saturday - 061 - 1:10 p.m., Saturday - 018 - 8:00 a.m., Friday - 004 - 1:10 p.m., Friday - 007 - 3:05 p.m., Saturday - 036 - 1:10 p.m., Friday - 084 - 3:05 p.m., Friday - 092 - 9:55 a.m., Saturday - 064 - 3:05 p.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 9:55 a.m., Saturday - 061 - 8:00 a.m., Wednesday - 087 - 12:40 p.m., Friday - 061 - 3:05 p.m., Wednesday - 038 - 9:55 a.m., Saturday - 008 - 1:10 p.m., Sunday - 024 - 9:55 a.m., Saturday - 008 - 3:05 p.m., Sunday - 016 - 2:00 p.m., Wednesday - 037 - 9:55 a.m., Friday - 012 - 1:10 p.m., Sunday - 025 - 8:00 a.m., Thursday - 094 - 3:05 p.m., Saturday - 008 - 5:00 p.m., Wednesday - 012 - 2:35 p.m., Saturday - 036 - 3:05 p.m., Saturday - 036 - 5:00 p.m., Sunday - 064 - 8:00 a.m., Friday - 008 - 8:00 a.m., Friday - 004 - 3:05 p.m., Thursday - 033 - 3:05 p.m., Friday - 007 - 9:55 a.m., Friday - 035 - 1:10 p.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 9:55 a.m., Saturday - 097 - 1:10 p.m., Wednesday - 057 - 8:00 a.m., Friday - 035 - 3:05 p.m., Wednesday - 088 - 2:35 p.m., Friday - 086 - 3:05 p.m., Friday - 031 - 9:55 a.m., Thursday - 005 - 9:55 a.m., Wednesday - 037 - 4:30 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Thursday - 005 - 1:10 p.m., Wednesday - 007 - 4:30 p.m., Thursday - 090 - 3:05 p.m., Saturday - 061 - 9:55 a.m., Friday - 004 - 8:00 a.m., Thursday - 005 - 8:00 a.m., Friday - 006 - 8:00 a.m., Friday - 006 - 9:55 a.m., Sunday - 027 - 3:55 p.m., Wednesday - 084 - 9:55 a.m., Thursday - 080 - 8:00 a.m., Sunday - 016 - 3:55 p.m., Saturday - 064 - 1:10 p.m., Saturday - 097 - 3:05 p.m., Friday - 007 - 1:10 p.m., Saturday - 090 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Sunday - 048 - 2:00 p.m., Sunday - 048 - 3:55 p.m., Saturday - 084 - 1:10 p.m., Thursday - 098 - 1:10 p.m., Thursday - 033 - 5:00 p.m., Thursday - 094 - 5:00 p.m., Saturday - 041 - 8:00 a.m., Wednesday - 037 - 2:35 p.m., Wednesday - 057 - 2:35 p.m., Wednesday - 057 - 4:30 p.m., Saturday - 019 - 9:55 a.m., Saturday - 019 - 8:00 a.m., Wednesday - 057 - 9:55 a.m., Friday - 037 - 3:05 p.m., Wednesday - 083 - 4:30 p.m., Friday - 084 - 5:00 p.m., Saturday - 019 - 3:05 p.m., Sunday - 074 - 8:00 a.m., Friday - 012 - 3:05 p.m., Saturday - 027 - 9:55 a.m., Saturday - 027 - 5:00 p.m., Saturday - 027 - 3:05 p.m., Saturday - 007 - 3:05 p.m., Saturday - 027 - 1:10 p.m., Saturday - 007 - 5:00 p.m., Saturday - 100 - 8:00 a.m., Wednesday - 092 - 4:30 p.m., Friday - 032 - 5:00 p.m., Saturday - 064 - 9:55 a.m., Saturday - 008 - 8:00 a.m., Saturday - 008 - 9:55 a.m., Sunday - 064 - 9:55 a.m., Friday - 009 - 11:45 a.m., Friday - 036 - 5:00 p.m.

Population Specialty Group

Friday - 004 - 1:10 p.m., Thursday - 088 - 8:00 a.m., Wednesday - 037 - 9:55 a.m., Friday - 100 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Friday - 100 - 1:10 p.m., Friday - 089 - 5:00 p.m., Thursday - 089 - 3:05 p.m., Thursday - 089 - 9:55 a.m., Thursday - 065 - 1:10 p.m., Sunday - 016 - 8:00 a.m., Thursday - 088 - 9:55 a.m., Wednesday - 089 - 2:35 p.m., Thursday - 089 - 8:00 a.m., Sunday - 016 - 9:55 a.m., Thursday - 088 - 1:10 p.m., Wednesday - 089 - 4:30 p.m., Wednesday - 089 - 12:40 p.m., Thursday - 089 - 1:10 p.m., Wednesday - 089 - 8:00 a.m., Friday - 089 - 8:00 a.m., Friday - 089 - 1:10 p.m., Friday - 089 - 9:55 a.m., Thursday - 089 - 5:00 p.m., Friday - 089 - 3:05 p.m., Friday -

023 - 11:45 a.m.

Public/Private Affinity Group

Saturday - 043.5 - 8:00 a.m., Saturday - 069 - 1:10 p.m., Friday - 069 - 1:10 p.m.

Qualitative Research Specialty Group

Sunday - 040 - 8:00 a.m., Thursday - 070 - 8:00 a.m., Friday - 008 - 9:55 a.m., Friday - 034 - 8:00 a.m., Wednesday - 088 - 2:35 p.m., Friday - 064 - 5:00 p.m., Thursday - 009 - 8:00 a.m., Saturday - 050 - 8:00 a.m., Sunday - 090 - 2:00 p.m., Wednesday - 049 - 8:00 a.m., Saturday - 050 - 9:55 a.m., Saturday - 070 - 1:10 p.m., Thursday - 028 - 5:00 p.m., Sunday - 090 - 3:55 p.m., Thursday - 101 - 3:05 p.m., Wednesday - 032 - 4:30 p.m., Friday - 023 - 5:00 p.m., Friday - 008 - 1:10 p.m., Friday - 008 - 3:05 p.m., Friday - 008 - 5:00 p.m., Saturday - 010 - 5:00 p.m., Thursday - 026 - 3:05 p.m., Saturday - 010 - 3:05 p.m., Friday - 018 - 11:45 a.m., Sunday - 040 - 9:55 a.m., Saturday - 080 - 3:05 p.m.

Recreation, Tourism, and Sport Specialty Group

Saturday - 090 - 1:10 p.m., Thursday - 102 - 3:05 p.m., Friday - 004 - 9:55 a.m., Wednesday - 065 - 12:40 p.m., Friday - 090 - 5:00 p.m., Sunday - 027 - 9:55 a.m., Saturday - 005 - 8:00 a.m., Thursday - 056 - 1:10 p.m., Thursday - 074 - 3:05 p.m., Saturday - 005 - 1:10 p.m., Wednesday - 050 - 2:35 p.m., Sunday - 086 - 2:00 p.m., Thursday - 006 - 9:55 a.m., Thursday - 006 - 1:10 p.m., Friday - 028 - 8:00 a.m., Wednesday - 037 - 4:30 p.m., Saturday - 005 - 9:55 a.m., Wednesday - 065 - 2:35 p.m., Thursday - 090 - 3:05 p.m., Saturday - 090 - 3:05 p.m., Thursday - 102 - 5:00 p.m., Wednesday - 073 - 4:30 p.m., Thursday - 006 - 8:00 a.m., Sunday - 086 - 3:55 p.m., Wednesday - 037 - 2:35 p.m., Wednesday - 050 - 4:30 p.m., Saturday - 090 - 5:00 p.m., Saturday - 005 - 3:05 p.m., Saturday - 005 - 5:00 p.m., Friday - 064 - 3:05 p.m., Friday - 019 - 11:45 a.m.

Regional Development and Planning Specialty Group

Thursday - 086 - 8:00 a.m., Friday - 018 - 1:10 p.m., Saturday - 072 - 5:00 p.m., Friday - 019 - 9:55 a.m., Thursday - 063 - 8:00 a.m., Thursday - 019 - 9:55 a.m., Thursday - 063 - 9:55 a.m., Thursday - 010 - 5:00 p.m., Saturday - 007 - 8:00 a.m., Friday - 054 - 1:10 p.m., Friday - 022 - 3:05 p.m., Thursday - 019 - 3:05 p.m., Friday - 020 - 5:00 p.m., Friday - 020 - 9:55 a.m., Thursday - 019 - 5:00 p.m., Friday - 019 - 8:00 a.m., Friday - 056 - 11:45 a.m., Saturday - 100 - 3:05 p.m.

Remote Sensing Specialty Group

Friday - 073 - 8:00 a.m., Friday - 073 - 9:55 a.m., Wednesday - 054 - 2:35 p.m., Wednesday - 073 - 8:00 a.m., Wednesday - 052 - 12:40 p.m., Sunday - 062 - 8:00 a.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 3:05 p.m., Friday - 067 - 9:55 a.m., Friday - 067 - 8:00 a.m., Wednesday - 049 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Saturday - 066 - 8:00 a.m., Thursday - 067 - 5:00 p.m., Friday - 033 - 3:05 p.m., Thursday - 035 - 1:10 p.m., Saturday - 054 - 1:10 p.m., Saturday - 048 - 1:10 p.m., Sunday - 062 - 9:55 a.m., Saturday - 066 - 9:55 a.m., Wednesday - 054 - 12:40 p.m., Thursday - 058 - 8:00 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 1:10 p.m., Saturday - 048 - 3:05 p.m., Saturday - 033.5 - 8:00 a.m., Wednesday - 073 - 9:55 a.m., Thursday - 058 - 3:05 p.m., Thursday - 058 - 5:00 p.m., Friday - 058 - 5:00 p.m., Friday - 058 - 3:05 p.m., Wednesday - 054 - 4:30 p.m., Saturday - 048 - 5:00 p.m., Friday - 067 - 1:10 p.m., Friday - 070 - 6:50 p.m.

Retired Geographers Affinity Group

Thursday - 052 - 9:55 a.m., Thursday - 066 - 6:50 p.m.

Routledge, Taylor and Francis Group

Rural Geography Specialty Group

Thursday - 066 - 5:00 p.m., Friday - 073 - 1:10 p.m., Friday - 073 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Saturday - 039 - 8:00 a.m., Saturday - 033.5 - 1:10 p.m., Saturday - 101 - 1:10 p.m., Wednesday - 036 - 8:00 a.m., Friday - 028 - 3:05 p.m., Thursday - 101 - 8:00 a.m., Wednesday - 035 - 8:00 a.m., Thursday - 088 - 3:05 p.m., Wednesday - 051 - 2:35 p.m., Friday - 022 - 1:10 p.m., Thursday - 101 - 9:55 a.m., Sunday - 019 - 2:00 p.m., Thursday - 101 - 1:10 p.m., Friday - 090 - 8:00 a.m., Friday - 090 - 9:55 a.m., Wednesday - 035 - 2:35 p.m., Thursday - 088 - 5:00 p.m., Friday - 090 - 1:10 p.m., Wednesday - 035 - 9:55 a.m., Wednesday - 035 - 12:40 p.m., Saturday - 039 - 9:55 a.m., Friday - 022 - 9:55 a.m., Friday - 073 - 5:00 p.m., Sunday - 091 - 9:55 a.m., Sunday - 091 - 8:00 a.m., Saturday - 101 - 3:05 p.m., Thursday - 065 - 8:00 a.m., Thursday - 065 - 9:55 a.m., Friday - 092 - 5:00 p.m., Saturday - 101 - 5:00 p.m., Saturday - 024 - 1:10 p.m., Sunday - 064 - 2:00 p.m., Friday - 062 - 9:55 a.m., Sunday - 020 - 2:00 p.m., Friday - 021 - 5:00 p.m., Friday - 022 - 11:45 a.m.

Sexuality and Space Specialty Group

Wednesday - 088 - 9:55 a.m., Thursday - 070 - 8:00 a.m., Wednesday - 038 - 2:35 p.m., Wednesday - 038 - 4:30 p.m., Wednesday - 041 - 2:35 p.m., Friday - 068 - 8:00 a.m., Thursday - 026 - 1:10 p.m., Sunday - 016 - 2:00 p.m., Thursday - 012 - 5:00 p.m.,

SPECIALTY AND AFFINITY GROUP SESSIONS INDEX

Wednesday - 083 - 9:55 a.m., Thursday - 031 - 8:00 a.m., Saturday - 068 - 3:05 p.m., Thursday - 031 - 9:55 a.m., Sunday - 016 - 3:55 p.m., Wednesday - 041 - 4:30 p.m., Thursday - 041 - 9:55 a.m., Saturday - 065 - 1:10 p.m., Saturday - 002 - 8:00 a.m., Saturday - 087 - 8:00 a.m., Thursday - 043.4 - 1:10 p.m., Wednesday - 003 - 4:30 p.m., Thursday - 026 - 3:05 p.m., Friday - 074 - 9:55 a.m., Sunday - 064 - 9:55 a.m., Friday - 074 - 8:00 a.m., Friday - 068 - 11:45 a.m.

Socialist and Critical Geography Specialty Group

Saturday - 006 - 1:10 p.m., Thursday - 068 - 5:00 p.m., Thursday - 037 - 8:00 a.m., Thursday - 026 - 1:10 p.m., Wednesday - 087 - 12:40 p.m., Saturday - 067 - 3:05 p.m., Thursday - 007 - 1:10 p.m., Friday - 036 - 3:05 p.m., Saturday - 026 - 9:55 a.m., Sunday - 066 - 8:00 a.m., Sunday - 016 - 2:00 p.m., Friday - 012 - 1:10 p.m., Saturday - 008 - 5:00 p.m., Thursday - 057 - 1:10 p.m., Thursday - 037 - 3:05 p.m., Wednesday - 051 - 12:40 p.m., Friday - 016 - 9:55 a.m., Saturday - 073 - 9:55 a.m., Sunday - 066 - 3:55 p.m., Wednesday - 083 - 9:55 a.m., Wednesday - 051 - 2:35 p.m., Saturday - 026 - 8:00 a.m., Wednesday - 087 - 2:35 p.m., Friday - 037 - 8:00 a.m., Thursday - 020 - 1:10 p.m., Thursday - 005 - 8:00 a.m., Thursday - 004 - 8:00 a.m., Thursday - 080 - 8:00 a.m., Sunday - 016 - 3:55 p.m., Saturday - 026 - 3:05 p.m., Thursday - 051 - 5:00 p.m., Saturday - 073 - 3:05 p.m., Thursday - 004 - 9:55 a.m., Thursday - 036 - 3:05 p.m., Saturday - 039 - 1:10 p.m., Saturday - 090 - 8:00 a.m., Saturday - 006 - 8:00 a.m., Saturday - 006 - 9:55 a.m., Thursday - 080 - 1:10 p.m., Saturday - 067 - 5:00 p.m., Friday - 037 - 1:10 p.m., Friday - 037 - 9:55 a.m., Sunday - 020 - 3:55 p.m., Saturday - 004 - 1:10 p.m., Saturday - 004 - 3:05 p.m., Saturday - 006 - 3:05 p.m., Friday - 027 - 1:10 p.m., Friday - 083 - 5:00 p.m., Thursday - 082 - 1:10 p.m., Thursday - 001 - 9:55 a.m., Friday - 018 - 3:05 p.m., Friday - 018 - 5:00 p.m., Friday - 012 - 3:05 p.m., Saturday - 100 - 8:00 a.m., Wednesday - 009 - 12:40 p.m., Wednesday - 009 - 2:35 p.m., Wednesday - 009 - 4:30 p.m., Saturday - 026 - 5:00 p.m., Thursday - 082 - 3:05 p.m., Saturday - 039 - 11:45 a.m.

Spatial Analysis and Modeling Specialty Group

Wednesday - 054 - 2:35 p.m., Sunday - 063 - 2:00 p.m., Thursday - 064 - 9:55 a.m., Thursday - 023 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Thursday - 097 - 5:00 p.m., Thursday - 072 - 1:10 p.m., Friday - 065 - 5:00 p.m., Thursday - 055 - 5:00 p.m., Friday - 055 - 8:00 a.m., Wednesday - 001 - 12:40 p.m., Wednesday - 067 - 9:55 a.m., Friday - 055 - 9:55 a.m., Thursday - 065 - 5:00 p.m., Friday - 055 - 3:05 p.m., Wednesday - 087 - 4:30 p.m., Thursday - 054 - 1:10 p.m., Sunday - 069 - 8:00 a.m., Sunday - 001 - 8:00 a.m., Thursday - 097 - 1:10 p.m., Friday - 041 - 5:00 p.m., Thursday - 056 - 3:05 p.m., Friday - 091 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Friday - 091 - 8:00 a.m., Wednesday - 067 - 12:40 p.m., Friday - 004 - 3:05 p.m., Wednesday - 058 - 12:40 p.m., Wednesday - 008 - 12:40 p.m., Friday - 036 - 8:00 a.m., Thursday - 035 - 3:05 p.m., Friday - 033 - 1:10 p.m., Wednesday - 067 - 2:35 p.m., Thursday - 090 - 8:00 a.m., Friday - 041 - 9:55 a.m., Sunday - 001 - 9:55 a.m., Saturday - 034 - 8:00 a.m., Saturday - 034 - 9:55 a.m., Thursday - 090 - 9:55 a.m., Wednesday - 008 - 4:30 p.m., Friday - 041 - 1:10 p.m., Wednesday - 067 - 4:30 p.m., Friday - 041 - 3:05 p.m., Thursday - 091 - 9:55 a.m., Wednesday - 054 - 12:40 p.m., Friday - 087 - 9:55 a.m., Saturday - 034 - 1:10 p.m., Wednesday - 008 - 2:35 p.m., Friday - 055 - 5:00 p.m., Wednesday - 073 - 9:55 a.m., Thursday - 090 - 1:10 p.m., Friday - 072 - 8:00 a.m., Friday - 072 - 9:55 a.m., Friday - 072 - 1:10 p.m., Friday - 072 - 3:05 p.m., Sunday - 069 - 9:55 a.m., Sunday - 069 - 2:00 p.m., Sunday - 069 - 3:55 p.m., Saturday - 054 - 5:00 p.m., Wednesday - 054 - 4:30 p.m., Saturday - 016 - 8:00 a.m., Thursday - 032 - 8:00 a.m., Thursday - 032 - 9:55 a.m., Friday - 036 - 11:45 a.m.

Specialty Group Highlighted Session

Friday - 002 - 3:05 p.m., Friday - 039 - 1:10 p.m., Saturday - 065 - 5:00 p.m., Thursday - 027 - 5:00 p.m., Friday - 022 - 1:10 p.m., Saturday - 054 - 1:10 p.m., Thursday - 101 - 1:10 p.m., Friday - 036 - 5:00 p.m.

Stand-Alone Geographers Affinity Group

Thursday - 031 - 5:00 p.m., Thursday - 031 - 3:05 p.m., Thursday - 031 - 1:10 p.m., Friday - 063 - 11:45 a.m.

Study of the American South Specialty Group

Friday - 034 - 3:05 p.m., Friday - 068 - 8:00 a.m., Friday - 068 - 9:55 a.m., Friday - 034 - 1:10 p.m., Thursday - 008 - 8:00 a.m., Thursday - 008 - 9:55 a.m., Saturday - 025 - 3:05 p.m., Friday - 034 - 5:00 p.m., Thursday - 026 - 6:50 p.m.

Transportation Geography Specialty Group

Friday - 060 - 3:05 p.m., Wednesday - 092 - 2:35 p.m., Sunday - 063 - 2:00 p.m., Friday - 103 - 9:55 a.m., Saturday - 097 - 5:00 p.m., Sunday - 025 - 9:55 a.m., Sunday - 024 - 2:00 p.m., Friday - 091 - 3:05 p.m., Thursday - 092 - 3:05 p.m., Thursday - 039 - 5:00 p.m., Friday - 060 - 5:00 p.m., Wednesday - 039 - 8:00 a.m., Friday - 103 - 1:10 p.m., Sunday - 016 - 8:00 a.m., Thursday - 019 - 1:10 p.m., Wednesday - 066 - 12:40 p.m., Wednesday - 066 - 2:35 p.m., Sunday - 024 - 3:55 p.m., Sunday - 016 - 9:55 a.m., Wednesday - 003 -

12:40 p.m., Thursday - 049 - 1:10 p.m., Wednesday - 039 - 9:55 a.m., Friday - 047 - 8:00 a.m., Wednesday - 066 - 4:30 p.m., Friday - 065 - 11:45 a.m.

Undergraduate Student Affinity Group

Friday - 006 - 1:10 p.m., Thursday - 009 - 8:00 a.m., Friday - 063 - 5:00 p.m., Friday - 006 - 3:05 p.m., Friday - 064 - 11:45 a.m.

Urban Geography Specialty Group

Friday - 060 - 3:05 p.m., Friday - 063 - 1:10 p.m., Wednesday - 092 - 2:35 p.m., Thursday - 086 - 8:00 a.m., Saturday - 101 - 8:00 a.m., Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 8:00 a.m., Thursday - 023 - 8:00 a.m., Saturday - 084 - 8:00 a.m., Friday - 050 - 8:00 a.m., Friday - 081 - 1:10 p.m., Saturday - 038 - 5:00 p.m., Friday - 007 - 3:05 p.m., Thursday - 037 - 8:00 a.m., Saturday - 036 - 1:10 p.m., Thursday - 056 - 1:10 p.m., Saturday - 038 - 8:00 a.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 9:55 a.m., Wednesday - 090 - 12:40 p.m., Wednesday - 090 - 2:35 p.m., Saturday - 036 - 8:00 a.m., Wednesday - 038 - 9:55 a.m., Saturday - 081 - 8:00 a.m., Sunday - 024 - 9:55 a.m., Sunday - 025 - 9:55 a.m., Saturday - 072 - 5:00 p.m., Thursday - 034 - 5:00 p.m., Wednesday - 065 - 4:30 p.m., Sunday - 089 - 2:00 p.m., Sunday - 024 - 2:00 p.m., Sunday - 025 - 8:00 a.m., Thursday - 086 - 9:55 a.m., Friday - 038 - 3:05 p.m., Thursday - 063 - 8:00 a.m., Saturday - 036 - 3:05 p.m., Saturday - 036 - 5:00 p.m., Thursday - 022 - 3:05 p.m., Thursday - 016 - 1:10 p.m., Thursday - 037 - 9:55 a.m., Thursday - 037 - 1:10 p.m., Thursday - 037 - 3:05 p.m., Wednesday - 090 - 4:30 p.m., Wednesday - 012 - 4:30 p.m., Saturday - 038 - 9:55 a.m., Thursday - 005 - 9:55 a.m., Friday - 028 - 8:00 a.m., Friday - 056 - 1:10 p.m., Thursday - 005 - 1:10 p.m., Saturday - 036 - 9:55 a.m., Thursday - 019 - 9:55 a.m., Thursday - 020 - 1:10 p.m., Friday - 060 - 5:00 p.m., Thursday - 031 - 9:55 a.m., Friday - 038 - 8:00 a.m., Wednesday - 083 - 8:00 a.m., Wednesday - 084 - 9:55 a.m., Saturday - 101 - 9:55 a.m., Friday - 017 - 3:05 p.m., Friday - 017 - 5:00 p.m., Friday - 088 - 5:00 p.m., Friday - 038 - 9:55 a.m., Thursday - 063 - 9:55 a.m., Thursday - 051 - 5:00 p.m., Sunday - 016 - 8:00 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 9:55 a.m., Saturday - 038 - 1:10 p.m., Saturday - 038 - 3:05 p.m., Thursday - 022 - 5:00 p.m., Thursday - 055 - 3:05 p.m., Wednesday - 084 - 12:40 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 4:30 p.m., Friday - 050 - 9:55 a.m., Saturday - 006 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Friday - 090 - 1:10 p.m., Friday - 037 - 1:10 p.m., Friday - 037 - 9:55 a.m., Thursday - 086 - 1:10 p.m., Wednesday - 054 - 12:40 p.m., Wednesday - 066 - 12:40 p.m., Wednesday - 066 - 2:35 p.m., Friday - 050 - 1:10 p.m., Sunday - 024 - 3:55 p.m., Sunday - 025 - 2:00 p.m., Saturday - 012 - 3:05 p.m., Thursday - 001 - 9:55 a.m., Sunday - 074 - 8:00 a.m., Sunday - 089 - 3:55 p.m., Sunday - 016 - 9:55 a.m., Sunday - 091 - 9:55 a.m., Sunday - 091 - 8:00 a.m., Saturday - 100 - 8:00 a.m., Saturday - 100 - 9:55 a.m., Saturday - 100 - 1:10 p.m., Sunday - 024 - 8:00 a.m., Wednesday - 092 - 4:30 p.m., Sunday - 026 - 2:00 p.m., Saturday - 064 - 9:55 a.m., Saturday - 098 - 1:10 p.m., Saturday - 098 - 9:55 a.m., Saturday - 098 - 8:00 a.m., Friday - 066 - 9:55 a.m., Thursday - 019 - 5:00 p.m., Saturday - 038 - 11:45 a.m., Saturday - 100 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m.

Water Resources Specialty Group

Friday - 002 - 3:05 p.m., Wednesday - 091 - 4:30 p.m., Saturday - 039 - 8:00 a.m., Saturday - 033.5 - 1:10 p.m., Wednesday - 072 - 8:00 a.m., Friday - 033.5 - 5:00 p.m., Friday - 061 - 8:00 a.m., Thursday - 034 - 5:00 p.m., Friday - 061 - 9:55 a.m., Friday - 086 - 9:55 a.m., Thursday - 022 - 8:00 a.m., Saturday - 028 - 5:00 p.m., Thursday - 047 - 8:00 a.m., Thursday - 047 - 9:55 a.m., Thursday - 047 - 1:10 p.m., Thursday - 047 - 3:05 p.m., Wednesday - 073 - 12:40 p.m., Wednesday - 072 - 9:55 a.m., Thursday - 022 - 9:55 a.m., Thursday - 022 - 1:10 p.m., Saturday - 039 - 9:55 a.m., Thursday - 047 - 5:00 p.m., Saturday - 073 - 1:10 p.m., Sunday - 070 - 8:00 a.m., Wednesday - 034 - 2:35 p.m., Sunday - 088 - 2:00 p.m., Friday - 066 - 11:45 a.m.

[illegible]

TOPICAL INDEX

a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Friday - 043.3 - 3:05 p.m., Thursday - 043.3 - 1:10 p.m., Saturday - 043.6 - 8:00 a.m., Saturday - 043.6 - 8:00 a.m., Saturday - 043.6 - 8:00 a.m., Saturday - 043.6 - 8:00 a.m., Friday - 043.2 - 1:10 p.m.

Animal Geographies

Sunday - 027 - 9:55 a.m., Sunday - 027 - 9:55 a.m., Sunday - 027 - 9:55 a.m., Sunday - 027 - 9:55 a.m., Sunday - 027 - 9:55 a.m., Wednesday - 036 - 8:00 a.m., Wednesday - 036 - 8:00 a.m., Thursday - 101 - 8:00 a.m., Saturday - 065 - 5:00 p.m., Saturday - 065 - 5:00 p.m., Saturday - 065 - 5:00 p.m., Saturday - 065 - 5:00 p.m., Saturday - 074 - 1:10 p.m., Saturday - 074 - 1:10 p.m., Saturday - 074 - 1:10 p.m., Thursday - 098 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Sunday - 081 - 8:00 a.m., Wednesday - 031 - 4:30 p.m., Sunday - 027 - 3:55 p.m., Sunday - 027 - 3:55 p.m., Sunday - 027 - 3:55 p.m., Sunday - 027 - 3:55 p.m., Saturday - 023 - 1:10 p.m., Saturday - 023 - 1:10 p.m., Saturday - 023 - 1:10 p.m., Sunday - 001 - 9:55 a.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 1:10 p.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Wednesday - 082 - 8:00 a.m., Wednesday - 082 - 8:00 a.m., Wednesday - 082 - 8:00 a.m., Sunday - 058 - 9:55 a.m., Saturday - 023 - 3:05 p.m., Sunday - 064 - 3:55 p.m., Sunday - 064 - 3:55 p.m., Saturday - 064 - 3:55 p.m., Sunday - 064 - 3:55 p.m., Saturday - 064 - 3:55 p.m., Saturday - 064 - 3:55 p.m., Friday - 008 - 5:00 p.m., Wednesday - 032 - 8:00 a.m., Friday - 024 - 3:05 p.m., Wednesday - 049 - 12:40 p.m., Sunday - 062 - 2:00 p.m., Sunday - 092 - 2:00 p.m., Friday - 058 - 1:10 p.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Friday - 043.2 - 3:05 p.m., Friday - 043.2 - 3:05 p.m., Friday - 043.2 - 3:05 p.m., Friday - 043.2 - 3:05 p.m., Friday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Saturday - 043.5 - 8:00 a.m.

Anthropocene

Saturday - 093 - 9:55 a.m., Saturday - 093 - 9:55 a.m., Saturday - 065 - 8:00 a.m., Thursday - 100 - 8:00 a.m., Saturday - 064 - 3:05 p.m., Wednesday - 090 - 8:00 a.m., Sunday - 038 - 3:55 p.m., Sunday - 051 - 9:55 a.m., Saturday - 065 - 5:00 p.m., Sunday - 048 - 9:55 a.m., Thursday - 098 - 8:00 a.m., Sunday - 055 - 3:55 p.m., Sunday - 055 - 3:55 p.m., Thursday - 066 - 8:00 a.m., Friday - 054 - 9:55 a.m., Sunday - 020 - 8:00 a.m., Saturday - 035 - 1:10 p.m., Thursday - 099 - 8:00 a.m., Friday - 054 - 3:05 p.m., Friday - 054 - 8:00 a.m., Friday - 054 - 8:00 a.m., Sunday - 027 - 3:55 p.m., Sunday - 027 - 3:55 p.m., Thursday - 025 - 9:55 a.m., Thursday - 066 - 9:55 a.m., Thursday - 086 - 3:05 p.m., Wednesday - 092 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Wednesday - 084 - 12:40 p.m., Friday - 050 - 9:55 a.m., Friday - 103 - 8:00 a.m., Friday - 103 - 8:00 a.m., Friday - 103 - 8:00 a.m., Sunday - 054 - 8:00 a.m., Saturday - 023 - 3:05 p.m., Thursday - 012 - 9:55 a.m., Thursday - 050 - 1:10 p.m., Wednesday - 093 - 9:55 a.m., Thursday - 099 - 5:00 p.m., Thursday - 066 - 3:05 p.m., Thursday - 082 - 1:10 p.m., Thursday - 082 - 1:10 p.m., Thursday - 061 - 1:10 p.m., Friday - 018 - 3:05 p.m., Saturday - 009 - 8:00 a.m., Saturday - 009 - 8:00 a.m., Wednesday - 034 - 2:35 p.m., Wednesday - 034 - 4:30 p.m., Friday - 097 - 3:05 p.m., Friday - 018 - 9:55 a.m., Sunday - 041 - 2:00 p.m., Saturday - 089 - 1:10 p.m., Saturday - 083 - 3:05 p.m., Saturday - 062 - 3:05 p.m., Sunday - 092 - 2:00 p.m., Thursday - 083 - 1:10 p.m., Saturday - 058 - 1:10 p.m., Saturday - 058 - 1:10 p.m., Friday - 065 - 9:55 a.m., Friday - 049 - 1:10 p.m., Thursday - 033.5 - 9:55 a.m., Friday - 043.2 - 3:05 p.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Friday - 043.4 - 8:00 a.m.

Applied Geography

Wednesday - 054 - 2:35 p.m., Wednesday - 054 - 2:35 p.m., Saturday - 023 - 8:00 a.m., Thursday - 097 - 5:00 p.m., Friday - 009 - 9:55 a.m., Friday - 065 - 5:00 p.m., Thursday - 074 - 9:55 a.m., Thursday - 074 - 9:55 a.m., Thursday - 074 - 9:55 a.m., Friday - 055 - 8:00 a.m., Friday - 091 - 5:00 p.m., Friday - 074 - 1:10 p.m., Wednesday - 090 - 12:40 p.m., Thursday - 067 - 1:10 p.m., Friday - 067 - 9:55 a.m., Sunday - 069 - 8:00 a.m., Sunday - 069 - 8:00 a.m., Saturday - 036 - 8:00 a.m., Friday - 061 - 8:00 a.m., Wednesday - 032 - 2:35 p.m., Saturday - 047 - 9:55 a.m., Friday - 041 - 5:00 p.m., Thursday - 086 - 9:55 a.m., Thursday - 086 - 9:55 a.m., Friday - 095 - 9:55 a.m., Saturday - 023 - 9:55 a.m., Wednesday - 012 - 2:35 p.m., Thursday - 056 - 3:05 p.m., Friday - 063 - 8:00 a.m., Friday - 063 - 8:00 a.m., Friday - 048 - 5:00 p.m., Wednesday - 049 - 8:00 a.m., Thursday - 060 - 9:55 a.m., Sunday - 068 - 8:00 a.m., Friday - 037 - 8:00 a.m., Saturday - 033 - 8:00 a.m., Thursday - 089 - 9:55 a.m., Wednesday - 056 - 8:00 a.m., Saturday - 074 - 5:00 p.m., Sunday - 053 - 3:55 p.m., Thursday - 019 - 1:10 p.m., Saturday - 025 - 9:55 a.m., Thursday - 060 - 3:05 p.m., Friday - 027 - 3:05 p.m., Thursday - 039 - 9:55 a.m., Saturday - 052 - 8:00 a.m., Thursday - 087 - 5:00 p.m., Saturday - 055 - 5:00 p.m., Saturday - 052 - 5:00 p.m., Saturday - 086 - 9:55 a.m., Thursday - 050 - 1:10 p.m., Friday - 091 - 1:10 p.m., Saturday - 081 - 1:10 p.m., Sunday - 064 - 3:55 p.m., Saturday - 072 - 9:55 a.m., Sunday - 054 - 9:55 a.m., Saturday - 025 - 8:00 a.m., Wednesday - 034 - 4:30 p.m., Friday - 047 - 9:55 a.m., Friday - 047 - 9:55 a.m., Friday - 063 - 9:55 a.m., Thursday - 058 - 3:05 p.m., Thursday - 058 - 5:00 p.m., Friday - 086 - 5:00 p.m., Saturday - 064 - 9:55 a.m., Sunday - 069 - 9:55 a.m., Sunday - 069 - 2:00 p.m., Saturday - 060 - 9:55 a.m., Saturday

- 060 - 9:55 a.m., Saturday - 060 - 9:55 a.m., Sunday - 058 - 8:00 a.m., Sunday - 058 - 8:00 a.m., Thursday - 025 - 1:10 p.m., Thursday - 087 - 8:00 a.m., Thursday - 028 - 8:00 a.m., Thursday - 021 - 8:00 a.m., Thursday - 019 - 3:05 p.m., Saturday - 088 - 8:00 a.m., Thursday - 064 - 3:05 p.m., Thursday - 019 - 5:00 p.m., Friday - 064 - 8:00 a.m., Thursday - 092 - 8:00 a.m., Sunday - 064 - 2:00 p.m., Sunday - 057 - 9:55 a.m., Friday - 057 - 5:00 p.m., Sunday - 060 - 3:55 p.m., Saturday - 056 - 8:00 a.m., Sunday - 020 - 2:00 p.m., Thursday - 056 - 9:55 a.m., Friday - 049 - 8:00 a.m., Saturday - 056 - 5:00 p.m., Saturday - 056 - 5:00 p.m., Sunday - 057 - 8:00 a.m., Thursday - 083 - 1:10 p.m., Wednesday - 058 - 9:55 a.m., Wednesday - 049 - 4:30 p.m., Saturday - 049 - 1:10 p.m., Friday - 049 - 3:05 p.m., Friday - 033.5 - 1:10 p.m., Thursday - 033.5 - 8:00 a.m., Saturday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 5:00 p.m., Thursday - 033.5 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Wednesday - 033.5 - 2:35 p.m., Wednesday - 033.5 - 2:35 p.m., Wednesday - 091 - 4:30 p.m., Friday - 099 - 8:00 a.m., Thursday - 035 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.5 - 8:00 a.m., Saturday - 043.1 - 8:00 a.m., Saturday - 043.1 - 8:00 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.3 - 9:55 a.m., Friday - 043.3 - 9:55 a.m., Saturday - 043.5 - 8:00 a.m., Thursday - 043.1 - 3:05 p.m., Thursday - 043.1 - 3:05 p.m., Friday - 043.1 - 1:10 p.m., Friday - 043.4 - 8:00 a.m., Saturday - 043.7 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Thursday - 043.3 - 3:05 p.m., Thursday - 043.3 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Saturday - 043.2 - 8:00 a.m., Saturday - 043.2 - 8:00 a.m., Friday - 043.3 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Thursday - 043.3 - 1:10 p.m.

Arid Regions

Friday - 093 - 1:10 p.m., Friday - 025 - 9:55 a.m., Thursday - 067 - 3:05 p.m., Sunday - 090 - 2:00 p.m., Friday - 048 - 8:00 a.m., Saturday - 098 - 3:05 p.m., Sunday - 053 - 3:55 p.m., Wednesday - 073 - 9:55 a.m., Saturday - 072 - 3:05 p.m., Friday - 058 - 5:00 p.m., Thursday - 065 - 8:00 a.m., Wednesday - 054 - 4:30 p.m., Saturday - 091 - 5:00 p.m., Friday - 062 - 5:00 p.m., Sunday - 064 - 2:00 p.m., Friday - 049 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Thursday - 035 - 8:00 a.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.4 - 9:55 a.m.

Asia

Wednesday - 092 - 2:35 p.m., Thursday - 018 - 1:10 p.m., Thursday - 086 - 8:00 a.m., Wednesday - 007 - 2:35 p.m., Friday - 037 - 5:00 p.m., Friday - 073 - 1:10 p.m., Thursday - 020 - 3:05 p.m., Saturday - 038 - 5:00 p.m., Friday - 034 - 3:05 p.m., Sunday - 027 - 9:55 a.m., Saturday - 094 - 8:00 a.m., Wednesday - 055 - 2:35 p.m., Friday - 095 - 8:00 a.m., Thursday - 026 - 1:10 p.m., Thursday - 048 - 8:00 a.m., Friday - 061 - 3:05 p.m., Friday - 087 - 1:10 p.m., Thursday - 009 - 9:55 a.m., Thursday - 009 - 9:55 a.m., Thursday - 009 - 9:55 a.m., Thursday - 009 - 9:55 a.m., Friday - 018 - 1:10 p.m., Wednesday - 038 - 9:55 a.m., Sunday - 055 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Sunday - 068 - 3:55 p.m., Sunday - 068 - 3:55 p.m., Saturday - 065 - 5:00 p.m., Thursday - 034 - 5:00 p.m., Thursday - 094 - 3:05 p.m., Friday - 019 - 9:55 a.m., Friday - 019 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Friday - 095 - 9:55 a.m., Friday - 095 - 9:55 a.m., Sunday - 064 - 8:00 a.m., Thursday - 022 - 3:05 p.m., Thursday - 006 - 9:55 a.m., Thursday - 006 - 9:55 a.m., Sunday - 090 - 8:00 a.m., Thursday - 037 - 1:10 p.m., Wednesday - 081 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Friday - 039 - 3:05 p.m., Thursday - 006 - 1:10 p.m., Friday - 033 - 3:05 p.m., Saturday - 012 - 8:00 a.m., Thursday - 034 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Friday - 010 - 9:55 a.m., Friday - 010 - 1:10 p.m., Friday - 010 - 1:10 p.m., Saturday - 054 - 3:05 p.m., Thursday - 005 - 1:10 p.m., Thursday - 018 - 8:00 a.m., Thursday - 018 - 8:00 a.m., Thursday - 018 - 8:00 a.m., Thursday - 019 - 9:55 a.m., Thursday - 019 - 9:55 a.m., Thursday - 019 - 9:55 a.m., Thursday - 019 - 9:55 a.m., Thursday - 020 - 1:10 p.m., Thursday - 020 - 1:10 p.m., Friday - 023 - 8:00 a.m., Thursday - 009 - 1:10 p.m., Thursday - 009 - 1:10 p.m., Thursday - 009 - 1:10 p.m., Friday - 060 - 5:00 p.m., Thursday - 025 - 3:05 p.m., Thursday - 053 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Saturday - 083 - 5:00 p.m., Friday - 006 - 9:55 a.m., Friday - 006 - 9:55 a.m., Friday - 006 - 9:55 a.m., Saturday - 012 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Friday - 103 - 1:10 p.m., Friday - 103 - 1:10 p.m., Thursday - 086 - 3:05 p.m., Thursday - 086 - 3:05 p.m., Saturday - 047 - 3:05 p.m., Thursday - 006 - 8:00 a.m., Saturday - 039 - 3:05 p.m., Thursday - 019 - 1:10 p.m., Thursday - 080 - 1:10 p.m., Thursday - 039 - 9:55 a.m., Saturday - 064 - 8:00 a.m., Sunday - 048 - 2:00 p.m., Friday - 035 - 8:00 a.m., Thursday - 025 - 5:00 p.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 2:00 p.m., Friday - 028 - 1:10 p.m., Friday - 099 - 1:10 p.m., Friday - 099 - 5:00 p.m., Friday - 099 - 5:00 p.m., Thursday - 022 - 1:10 p.m., Saturday - 041 - 8:00 a.m., Friday - 048 - 3:05 p.m., Wednesday - 057 - 4:30 p.m., Wednesday - 093 - 12:40 p.m., Friday - 001 - 1:10 p.m., Saturday - 019 - 8:00 a.m., Thursday - 018 - 9:55 a.m., Thursday - 018 - 9:55 a.m., Sunday - 066 - 3:05 p.m., Friday - 035 - 9:55 a.m., Friday - 018 - 3:05 p.m., Friday - 101 - 8:00 a.m., Friday - 101

Saturday - 023 - 8:00 a.m., Saturday - 023 - 8:00 a.m., Friday - 098 - 8:00 a.m., Friday

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043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday
- 043.1 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Thursday - 043.3 - 3:05 p.m., Saturday
- 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m.

Coastal and Marine

Sunday - 028 - 2:00 p.m., Sunday - 028 - 2:00 p.m., Friday - 061 - 1:10 p.m., Friday - 061 - 1:10 p.m., Friday - 061 - 1:10 p.m., Friday - 073 - 8:00 a.m., Saturday - 093 - 9:55 a.m., Wednesday - 052 - 12:40 p.m., Friday - 061 - 3:05 p.m., Friday - 061 - 3:05 p.m., Thursday - 067 - 3:05 p.m., Friday - 067 - 9:55 a.m., Wednesday - 087 - 4:30 p.m., Friday - 087 - 1:10 p.m., Thursday - 048 - 9:55 a.m., Saturday - 074 - 1:10 p.m., Sunday - 063 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Saturday - 009 - 5:00 p.m., Thursday - 019 - 9:55 a.m., Friday - 054 - 3:0 p.m., Saturday - 048 - 1:10 p.m., Wednesday - 056 - 8:00 a.m., Thursday - 063 - 9:55 a.m., Friday - 103 - 1:10 p.m., Friday - 010 - 3:05 p.m., Sunday - 054 - 8:00 a.m., Wednesday - 072 - 9:55 a.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 9:55 a.m., Sunday - 058 - 2:00 p.m., Friday - 048 - 1:10 p.m., Saturday - 048 - 8:00 a.m., Saturday - 072 - 9:55 a.m., Saturday - 072 - 9:55 a.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 8:00 a.m., Saturday - 072 - 8:00 a.m., Saturday - 072 - 8:00 a.m., Saturday - 072 - 3:05 p.m., Saturday - 072 - 3:05 p.m., Saturday - 072 - 3:05 p.m., Thursday - 058 - 3:05 p.m., Thursday - 058 - 3:05 p.m., Thursday - 058 - 3:05 p.m., Thursday - 058 - 3:05 p.m., Wednesday - 053 - 12:40 p.m., Wednesday - 053 - 12:40 p.m., Wednesday - 053 - 12:40 p.m., Saturday - 099 - 5:00 p.m., Wednesday - 053 - 2:35 p.m., Wednesday - 053 - 2:35 p.m., Wednesday - 053 - 2:35 p.m., Wednesday - 053 - 2:35 p.m., Friday - 058 - 5:00 p.m., Wednesday - 072 - 2:35 p.m., Wednesday - 072 - 4:30 p.m., Friday - 086 - 5:00 p.m., Friday - 086 - 5:00 p.m., Friday - 086 - 5:00 p.m., Friday - 057 - 1:10 p.m., Sunday - 069 - 2:00 p.m., Saturday - 048 - 9:55 a.m., Thursday - 023 - 9:55 a.m., Thursday - 062 - 3:05 p.m., Saturday - 028 - 3:05 p.m., Saturday - 087 - 3:05 p.m., Saturday - 058 - 1:10 p.m., Wednesday - 058 - 9:55 a.m., Saturday - 049 - 3:05 p.m., Saturday - 058 - 8:00 a.m., Saturday - 049 - 3:05 p.m., Saturday - 058 - 8:00 a.m., Saturday - 058 - 8:00 a.m., Saturday - 049 - 3:05 p.m., Saturday - 033.5 - 8:00 a.m., Friday - 033.5 - 3:05 p.m., Friday - 033.5 - 3:05 p.m., Saturday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 5:00 p.m., Wednesday - 033.5 - 4:30 p.m., Wednesday - 033.5 - 4:30 p.m., Thursday - 033.5 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Wednesday - 091 - 4:30 p.m., Friday - 043.1 - 8:00 a.m., Friday - 043.2 - 3:05 p.m., Friday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.2 - 9:55 a.m., Friday - 043.4 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.2 - 9:55 a.m., Thursday - 043.2 - 9:55 a.m., Friday - 043.2 - 8:00 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Friday - 043.3 - 3:05 p.m., Friday - 043.4 - 3:05 p.m.

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Thursday - 068 - 5:00 p.m., Thursday - 068 - 5:00 p.m., Friday - 050 - 8:00 a.m., Friday - 073 - 1:10 p.m., Saturday - 082 - 3:05 p.m., Friday - 010 - 8:00 a.m., Friday - 010 - 8:00 a.m., Friday - 010 - 8:00 a.m., Friday - 073 - 3:05 p.m., Friday - 073 - 3:05 p.m., Friday - 098 - 8:00 a.m., Friday - 034 - 3:05 p.m., Sunday - 027 - 9:55 a.m., Sunday - 027 - 9:55 a.m., Thursday - 037 - 8:00 a.m., Saturday - 094 - 8:00 a.m., Saturday - 094 - 8:00 a.m., Saturday - 094 - 8:00 a.m., Saturday - 064 - 3:05 p.m., Wednesday - 092 - 12:40 p.m., Wednesday - 092 - 12:40 p.m., Friday - 102 - 8:00 a.m., Friday - 102 - 8:00 a.m., Wednesday - 012 - 12:40 p.m., Friday - 055 - 1:10 p.m., Friday - 055 - 1:10 p.m., Wednesday - 087 - 12:40 p.m., Wednesday - 087 - 12:40 p.m., Sunday - 039 - 8:00 a.m., Friday - 061 - 3:05 p.m., Friday - 031 - 3:05 p.m., Friday - 031 - 3:05 p.m., Friday - 031 - 3:05 p.m., Saturday - 067 - 3:05 p.m., Saturday - 067 - 3:05 p.m., Saturday - 067 - 3:05 p.m., Saturday - 039 - 8:00 a.m., Wednesday - 092 - 8:00 a.m., Wednesday - 092 - 8:00 a.m., Saturday - 101 - 1:10 p.m., Thursday - 009 - 9:55 a.m., Thursday - 094 - 8:00 a.m., Thursday - 088 - 8:00 a.m., Friday - 086 - 1:10 p.m., Sunday - 094 - 9:55 a.m., Wednesday - 036 - 9:55 a.m., Sunday - 038 - 3:55 p.m., Sunday - 038 - 3:55 p.m., Sunday - 051 - 9:55 a.m., Sunday - 051 - 9:55 a.m., Sunday - 051 - 9:55 a.m., Sunday - 051 - 9:55 a.m., Thursday - 026 - 8:00 a.m., Thursday - 101 - 8:00 a.m., Sunday - 090 - 2:00 p.m., Wednesday - 050 - 2:35 p.m., Wednesday - 050 - 2:35 p.m., Sunday - 048 - 9:55 a.m., Sunday - 048 - 9:55 a.m., Wednesday - 035 - 8:00 a.m., Sunday - 089 - 2:00 p.m., Thursday - 088 - 3:05 p.m., Thursday - 088 - 3:05 p.m., Thursday - 088 - 3:05 p.m., Thursday - 088 - 3:05 p.m., Thursday - 088 - 3:05 p.m., Thursday - 094 - 3:05 p.m., Thursday - 094 - 3:05 p.m., Sunday - 086 - 2:00 p.m., Sunday - 037 - 3:55 p.m., Sunday - 037 - 3:55 p.m., Saturday - 074 - 1:10 p.m., Saturday - 074 - 1:10 p.m., Friday - 063 - 8:00 a.m., Friday - 095 - 1:10 p.m., Thursday - 019 - 8:00 a.m., Thursday - 033 - 3:05 p.m., Friday - 094 - 1:10 p.m., Friday - 094 - 1:10 p.m., Thursday - 038 - 8:00 a.m., Thursday - 037 - 1:10 p.m., Thursday - 037 - 1:10 p.m., Thursday - 037 - 3:05 p.m., Saturday - 094 - 1:10 p.m., Saturday - 094 - 1:10 p.m., Wednesday - 049 - 8:00 a.m., Friday - 084 - 8:00 a.m., Friday - 084 - 8:00 a.m., Friday - 084 - 8:00 a.m., Friday - 095 - 3:05 p.m., Wednesday - 057 - 8:00 a.m., Saturday - 038 - 9:55 a.m., Saturday - 038 - 9:55 a.m., Saturday - 038 - 9:55 a.m., Wednesday - 039 - 2:35 p.m., Thursday - 038 - 9:55 a.m., Thursday - 038 - 9:55 a.m., Thursday - 025 - 8:00 a.m., Saturday - 009 - 1:10 p.m., Sunday - 055 - 3:55 p.m., Wednesday - 086 - 9:55 a.m., Wednesday - 086 - 9:55 a.m., Friday - 022 - 1:10 p.m., Friday - 022 - 1:10 p.m., Thursday - 005 - 9:55 a.m., Thursday - 005 - 9:55 a.m., Thursday - 005 - 9:55 a.m., Thursday - 026 - 9:55 a.m., Wednesday - 031 - 12:40 p.m., Saturday - 005 - 9:55 a.m., Wednesday - 031 - 9:55 a.m., Wednesday - 031 - 9:55 a.m., Saturday - 102 - 3:05 p.m., Sunday - 081 - 8:00 a.m., Sunday - 081 - 8:00 a.m., Friday - 010 - 1:10 p.m., Friday - 010 - 1:10 p.m., Friday - 010 - 1:10 p.m., Friday - 010 - 1:10 p.m., Thursday - 060 - 1:10 p.m., Wednesday - 031 - 4:30 p.m., Wednesday - 031 - 4:30 p.m., Wednesday - 031 - 4:30 p.m., Thursday - 005 - 1:10 p.m., Thursday - 005 - 1:10 p.m., Saturday - 073 - 5:00 p.m., Sunday - 020 - 8:00 a.m., Sunday - 020 - 8:00 a.m., Friday - 037 - 8:00 a.m., Friday - 037 - 8:00 a.m., Friday - 037 - 8:00 a.m., Saturday - 033 - 8:00 a.m., Saturday - 033 - 8:00 a.m., Thursday - 018 - 8:00 a.m., Friday - 016 - 3:05 p.m., Thursday - 101 - 9:55 a.m., Thursday - 101 - 9:55 a.m., Thursday - 101 - 9:55 a.m., Thursday - 099 - 8:00 a.m., Friday - 031 - 1:10 p.m., Friday - 031 - 1:10 p.m., Sunday - 041 - 8:00 a.m., Sunday - 041 - 8:00 a.m., Thursday - 102 - 5:00 p.m., Thursday - 022 - 8:00 a.m., Thursday - 084 - 3:05 p.m., Friday - 040 - 5:00 p.m., Friday - 040 - 5:00 p.m., Thursday - 009 - 1:10 p.m., Saturday - 028 - 5:00 p.m., Thursday - 084 - 9:55 a.m., Thursday - 084 - 9:55 a.m., Wednesday - 088 - 8:00 a.m., Wednesday - 088 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Sunday - 027 - 3:55 p.m., Sunday - 027 - 3:55 p.m., Saturday - 023 - 1:10 p.m., Saturday - 023 - 1:10 p.m., Thursday - 049 - 3:05 p.m., Thursday - 049 - 3:05 p.m., Thursday - 049 - 3:05 p.m., Thursday - 054 - 8:00 a.m., Thursday - 054 - 8:00 a.m., Thursday - 054 - 8:00 a.m., Sunday - 028 - 3:55 p.m., Saturday - 101 - 9:55 a.m., Saturday - 101 - 9:55 a.m., Saturday - 040 - 5:00 p.m., Friday - 017 - 3:05 p.m., Friday - 017 - 3:05 p.m., Friday - 088 - 5:00 p.m., Friday - 088 - 5:00 p.m., Thursday - 103 - 9:55 a.m., Thursday - 103 - 9:55 a.m., Thursday - 103 - 9:55 a.m., Thursday - 103 - 1:10 p.m., Thursday - 084 - 1:10 p.m., Thursday - 084 - 1:10 p.m., Thursday - 084 - 1:10 p.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 1:10 p.m., Saturday - 067 - 1:10 p.m., Thursday - 086 - 3:05 p.m., Friday - 090 - 9:55 a.m., Friday - 094 - 3:05 p.m., Sunday - 053 - 3:55 p.m., Saturday - 033 - 9:55 a.m., Friday - 102 - 1:10 p.m., Wednesday - 092 - 9:55 a.m., Wednesday - 092 - 9:55 a.m., Wednesday - 041 - 4:30 p.m., Thursday - 047 - 8:00 a.m., Thursday - 047 - 8:00 a.m., Saturday - 003 - 9:55 a.m., Thursday - 047 - 9:55 a.m., Thursday - 047 - 1:10 p.m., Thursday - 047 - 1:10 p.m., Thursday - 047 - 3:05 p.m., Thursday - 047 - 3:05 p.m., Wednesday - 082 - 12:40 p.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Saturday - 066 - 9:55 a.m., Thursday - 049 - 5:00 p.m., Wednesday - 082 - 8:00 a.m., Thursday - 088 - 5:00 p.m., Thursday - 088 - 5:00 p.m., Friday - 103 - 5:00 p.m., Wednesday - 084 - 12:40 p.m., Friday - 012 - 8:00 a.m., Friday - 012 - 8:00 a.m., Friday - 012 - 8:00 a.m., Friday - 010 - 3:05 p.m., Friday - 010 - 3:05 p.m., Friday - 010 - 3:05 p.m., Thursday - 080 - 1:10 p.m., Saturday - 032 - 9:55 a.m., Saturday - 032 - 9:55 a.m., Saturday - 032 - 9:55 a.m., Sunday

040 - 1:10 p.m., Saturday - 074 - 8:00 a.m., Wednesday - 041 - 2:35 p.m., Friday - 098 - 8:00 a.m., Friday - 098 - 8:00 a.m., Friday 034 - 3:05 p.m., Friday - 034 - 3:05 p.m., Friday - 034 - 3:05 p.m., Friday - 080 - 8:00 a.m., Thursday - 037 - 8:00 a.m., Friday - 084 - 3:05 p.m., Friday - 091 - 5:00 p.m., Friday - 091 - 5:00 p.m., Friday - 091 - 5:00 p.m., Friday - 068 - 8:00 a.m., Friday - 068 - 8:00 a.m., Thursday - 100 - 8:00 a.m., Thursday - 100 - 8:00 a.m., Thursday - 100 - 8:00 a.m., Saturday - 005 - 8:00 a.m., Friday - 074 - 1:10 p.m., Saturday - 064 - 3:05 p.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 9:55 a.m., Thursday - 033 - 9:55 a.m., Thursday - 033 - 9:55 a.m., Saturday - 038 - 8:00 a.m., Wednesday - 086 - 2:35 p.m., Friday - 095 - 8:00 a.m., Saturday - 056 - 9:55 a.m., Thursday - 026 - 1:10 p.m., Thursday - 074 - 3:05 p.m., Thursday - 074 - 3:05 p.m., Wednesday - 092 - 8:00 a.m., Saturday - 093 - 1:10 p.m., Saturday - 093 - 1:10 p.m., Thursday - 100 - 1:10 p.m., Thursday - 002 - 8:00 a.m., Thursday - 002 - 8:00 a.m., Thursday - 002 - 8:00 a.m., Thursday - 002 - 8:00 a.m., Wednesday - 038 - 9:55 a.m., Wednesday - 038 - 9:55 a.m., Wednesday - 038 - 9:55 a.m., Wednesday - 038 - 9:55 a.m., Saturday - 081 - 8:00 a.m., Sunday - 055 - 9:55 a.m., Sunday - 055 - 9:55 a.m., Sunday - 038 - 3:55 p.m., Thursday - 028 - 9:55 a.m., Friday - 028 - 3:05 p.m., Sunday - 068 - 3:55 p.m., Sunday - 051 - 9:55 a.m., Sunday - 090 - 2:00 p.m., Friday - 026 - 1:10 p.m., Friday - 103 - 3:05 p.m., Sunday - 068 - 9:55 a.m., Sunday - 068 - 9:55 a.m., Saturday - 063 - 9:55 a.m., Thursday - 094 - 3:05 p.m., Thursday - 094 - 3:05 p.m., Friday - 019 - 9:55 a.m., Friday - 095 - 9:55 a.m., Friday - 095 - 9:55 a.m., Wednesday - 012 - 2:35 p.m., Thursday - 012 - 5:00 p.m., Thursday - 012 - 5:00 p.m., Thursday - 012 - 5:00 p.m., Thursday - 012 - 5:00 p.m., Sunday - 064 - 8:00 a.m., Friday - 095 - 1:10 p.m., Friday - 095 - 1:10 p.m., Thursday - 006 - 9:55 a.m., Thursday - 057 - 1:10 p.m., Thursday - 033 - 3:05 p.m., Thursday - 033 - 3:05 p.m., Friday - 007 - 9:55 a.m., Thursday - 016 - 1:10 p.m., Friday - 094 - 1:10 p.m., Friday - 035 - 1:10 p.m., Friday - 035 - 1:10 p.m., Friday - 035 - 1:10 p.m., Friday - 035 - 1:10 p.m., Friday - 035 - 1:10 p.m., Thursday - 037 - 9:55 a.m., Thursday - 098 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Saturday - 094 - 9:55 a.m., Wednesday - 094 - 12:40 p.m., Wednesday - 094 - 12:40 p.m., Wednesday - 094 - 12:40 p.m., Friday - 095 - 3:05 p.m., Wednesday - 057 - 8:00 a.m., Friday - 035 - 3:05 p.m., Thursday - 025 - 8:00 a.m., Friday - 064 - 9:55 a.m., Saturday - 009 - 1:10 p.m., Sunday - 055 - 3:55 p.m., Sunday - 055 - 3:55 p.m., Saturday - 012 - 8:00 a.m., Saturday - 012 - 8:00 a.m., Wednesday - 012 - 8:00 a.m., Wednesday - 012 - 9:55 a.m., Wednesday - 012 - 9:55 a.m., Thursday - 034 - 9:55 a.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 3:05 p.m., Saturday - 012 - 9:55 a.m., Saturday - 012 - 9:55 a.m., Wednesday - 086 - 8:00 a.m., Wednesday - 086 - 8:00 a.m., Wednesday - 086 - 8:00 a.m., Friday - 022 - 1:10 p.m., Wednesday - 082 - 2:35 p.m., Wednesday - 082 - 2:35 p.m., Friday - 086 - 3:05 p.m., Friday - 086 - 3:05 p.m., Friday - 086 - 3:05 p.m., Friday - 086 - 3:05 p.m., Friday - 086 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Friday - 028 - 8:00 a.m., Friday - 028 - 8:00 a.m., Wednesday - 037 - 4:30 p.m., Saturday - 003 - 8:00 a.m., Saturday - 003 - 8:00 a.m., Saturday - 003 - 8:00 a.m., Friday - 007 - 5:00 p.m., Friday - 007 - 5:00 p.m., Friday - 007 - 5:00 p.m., Friday - 007 - 5:00 p.m., Friday - 007 - 5:00 p.m., Thursday - 026 - 9:55 a.m., Thursday - 026 - 9:55 a.m., Thursday - 026 - 9:55 a.m., Thursday - 097 - 8:00 a.m., Thursday - 097 - 8:00 a.m., Saturday - 005 - 9:55 a.m., Friday - 026 - 3:05 p.m., Friday - 026 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Saturday - 054 - 3:05 p.m., Saturday - 061 - 5:00 p.m., Friday - 034 - 1:10 p.m., Friday - 034 - 1:10 p.m., Friday - 034 - 1:10 p.m., Friday - 034 - 1:10 p.m., Wednesday - 007 - 4:30 p.m., Friday - 037 - 8:00 a.m., Friday - 016 - 3:05 p.m., Thursday - 099 - 8:00 a.m., Thursday - 099 - 8:00 a.m., Thursday - 099 - 8:00 a.m., Thursday - 102 - 5:00 p.m., Friday - 054 - 8:00 a.m., Thursday - 028 - 5:00 p.m., Thursday - 028 - 5:00 p.m., Thursday - 084 - 3:05 p.m., Friday - 006 - 8:00 a.m., Friday - 060 - 5:00 p.m., Sunday - 090 - 3:55 p.m., Sunday - 090 - 3:55 p.m., Saturday - 093 - 3:05 p.m., Friday - 038 - 8:00 a.m., Saturday - 083 - 5:00 p.m., Saturday - 083 - 5:00 p.m., Friday - 094 - 5:00 p.m., Saturday - 012 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Sunday - 090 - 9:55 a.m., Saturday - 101 - 9:55 a.m., Thursday - 025 - 9:55 a.m., Sunday - 038 - 9:55 a.m., Sunday - 038 - 9:55 a.m., Friday - 038 - 9:55 a.m., Saturday - 074 - 3:05 p.m., Saturday - 074 - 3:05 p.m., Wednesday - 086 - 12:40 p.m., Wednesday - 086 - 12:40 p.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 1:10 p.m., Saturday - 064 - 1:10 p.m., Saturday - 038 - 1:10 p.m., Saturday - 038 - 3:05 p.m., Thursday - 006 - 8:00 a.m., Thursday - 022 - 5:00 p.m., Thursday - 022 - 5:00 p.m., Wednesday - 041 - 4:30 p.m., Saturday - 003 - 9:55 a.m., Saturday - 003 - 9:55 a.m., Saturday - 003 - 9:55 a.m., Thursday - 098 - 9:55 a.m., Sunday - 052 - 2:00 p.m., Saturday - 089 - 8:00 a.m., Saturday - 089 - 8:00 a.m., Thursday - 100 - 3:05 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Wednesday - 082 - 8:00 a.m., Wednesday - 082 - 8:00 a.m., Wednesday - 082 - 8:00 a.m., Saturday - 039 - 3:05 p.m., Friday - 103 - 8:00 a.m., Saturday - 006 - 8:00 a.m., Saturday - 006 - 9:55 a.m., Saturday - 006 - 9:55 a.m., Saturday - 006 - 9:55 a.m., Thursday - 039 - 8:00 a.m., Thursday - 080 - 1:10 p.m., Sunday - 054 - 8:00 a.m., Wednesday - 093 - 8:00 a.m., Wednesday - 093 - 8:00 a.m., Sunday - 048 - 2:00 p.m., Sunday - 048 - 2:00 p.m., Sunday - 048 - 3:55 p.m., Friday - 001 - 5:00 p.m., Wednesday - 035 - 12:40 p.m., Thursday - 033 - 5:00 p.m., Thursday - 033 - 5:00 p.m., Thursday - 033 - 5:00 p.m., Thursday - 033 - 5:00 p.m., Thursday - 033 - 5:00 p.m., Wednesday - 036 - 12:40 p.m., Saturday - 023 - 3:05 p.m., Thursday - 100 - 9:55 a.m., Thursday - 100 - 9:55 a.m., Thursday - 100 - 9:55 a.m., Saturday - 102 - 9:55 a.m., Thursday - 012 - 8:00 a.m., Thursday - 012 - 9:55 a.m., Saturday - 041 - 8:00 a.m., Saturday - 041 - 8:00 a.m., Saturday

TOPICAL INDEX

- 8:00 a.m., Sunday - 048 - 9:55 a.m., Saturday - 023 - 9:55 a.m., Thursday - 057 - 1:10 p.m., Thursday - 011 - 8:00 a.m., Wednesday - 008 - 12:40 p.m., Sunday - 055 - 3:55 p.m., Wednesday - 012 - 8:00 a.m., Wednesday - 012 - 9:55 a.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 1:10 p.m., Thursday - 027 - 5:00 p.m., Thursday - 027 - 5:00 p.m., Sunday - 063 - 9:55 a.m., Thursday - 097 - 8:00 a.m., Thursday - 035 - 3:05 p.m., Saturday - 031 - 8:00 a.m., Friday - 033 - 1:10 p.m., Friday - 023 - 1:10 p.m., Wednesday - 083 - 8:00 a.m., Sunday - 038 - 9:55 a.m., Friday - 038 - 9:55 a.m., Wednesday - 001 - 2:35 p.m., Wednesday - 092 - 9:55 a.m., Wednesday - 008 - 4:30 p.m., Thursday - 080 - 1:10 p.m., Thursday - 080 - 1:10 p.m., Friday - 037 - 9:55 a.m., Thursday - 097 - 9:55 a.m., Saturday - 089 - 9:55 a.m., Friday - 087 - 9:55 a.m., Friday - 084 - 5:00 p.m., Saturday - 034 - 1:10 p.m., Sunday - 054 - 9:55 a.m., Sunday - 054 - 9:55 a.m., Thursday - 072 - 5:00 p.m., Saturday - 089 - 1:10 p.m., Thursday - 062 - 1:10 p.m., Thursday - 062 - 1:10 p.m., Saturday - 058 - 5:00 p.m., Saturday - 074 - 9:55 a.m., Thursday - 033.5 - 3:05 p.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Thursday - 043.3 - 9:55 a.m.

Saturday - 02:00 - 5:00 p.m., Friday - 06:1 - 1:10 p.m., Saturday - 09:3 - 9:55 a.m., Thursday - 08:6 - 8:00 a.m., Friday - 00:4 - 9:55 a.m., Wednesday - 06:5 - 12:40 p.m., Sunday - 07:0 - 9:55 a.m., Sunday - 07:0 - 9:55 a.m., Sunday - 07:0 - 9:55 a.m., Friday - 00:9 - 9:55 a.m., Friday - 07:3 - 1:10 p.m., Saturday - 08:2 - 3:05 p.m., Saturday - 08:2 - 3:05 p.m., Saturday - 08:2 - 3:05 p.m., Friday - 01:0 - 8:00 a.m., Saturday - 03:8 - 5:00 p.m., Thursday - 08:7 - 9:55 a.m., Thursday - 08:7 - 9:55 a.m., Saturday - 09:4 - 8:00 a.m., Saturday - 09:4 - 8:00 a.m., Friday - 09:7 - 8:00 a.m., Friday - 09:7 - 8:00 a.m., Friday - 09:7 - 8:00 a.m., Friday - 09:7 - 8:00 a.m., Saturday - 06:0 - 3:05 p.m., Wednesday - 05:7 - 12:40 p.m., Friday - 05:5 - 1:10 p.m., Friday - 06:1 - 3:05 p.m., Friday - 03:1 - 3:05 p.m., Thursday - 06:7 - 3:05 p.m., Wednesday - 09:2 - 8:00 a.m., Wednesday - 09:2 - 8:00 a.m., Thursday - 00:9 - 9:55 a.m., Friday - 01:8 - 1:10 p.m., Thursday - 08:8 - 8:00 a.m., Friday - 08:6 - 1:10 p.m., Friday - 08:6 - 1:10 p.m., Saturday - 05:0 - 8:00 a.m., Saturday - 08:1 - 8:00 a.m., Sunday - 05:5 - 9:55 a.m., Sunday - 02:4 - 9:55 a.m., Thursday - 10:1 - 8:00 a.m., Friday - 02:6 - 1:10 p.m., Friday - 10:3 - 3:05 p.m., Wednesday - 05:0 - 2:35 p.m., Wednesday - 05:0 - 2:35 p.m., Sunday - 04:8 - 9:55 a.m., Thursday - 08:8 - 3:05 p.m., Thursday - 08:8 - 3:05 p.m., Friday - 01:9 - 9:55 a.m., Wednesday - 01:2 - 2:35 p.m., Friday - 06:3 - 8:00 a.m., Thursday - 02:4 - 8:00 a.m., Thursday - 08:9 - 3:05 p.m., Thursday - 03:8 - 8:00 a.m., Thursday - 03:7 - 1:10 p.m., Saturday - 09:4 - 9:55 a.m., Saturday - 09:4 - 9:55 a.m., Wednesday - 04:9 - 8:00 a.m., Wednesday - 05:1 - 12:40 p.m., Friday - 08:4 - 8:00 a.m., Friday - 08:4 - 8:00 a.m., Thursday - 03:8 - 9:55 a.m., Thursday - 03:8 - 9:55 a.m., Saturday - 06:3 - 8:00 a.m., Saturday - 00:9 - 1:10 p.m., Saturday - 00:9 - 1:10 p.m., Saturday - 00:9 - 1:10 p.m., Saturday - 01:2 - 8:00 a.m., Saturday - 01:2 - 9:55 a.m., Saturday - 08:4 - 9:55 a.m., Wednesday - 08:7 - 2:35 p.m., Thursday - 00:5 - 9:55 a.m., Thursday - 00:5 - 9:55 a.m., Saturday - 00:3 - 8:00 a.m., Saturday - 00:5 - 9:55 a.m., Wednesday - 03:1 - 9:55 a.m., Saturday - 10:2 - 3:05 p.m., Saturday - 10:2 - 3:05 p.m., Saturday - 10:2 - 5:00 p.m., Saturday - 06:1 - 5:00 p.m., Thursday - 00:5 - 1:10 p.m., Saturday - 07:3 - 5:00 p.m., Sunday - 02:0 - 8:00 a.m., Saturday - 03:3 - 8:00 a.m., Thursday - 01:9 - 9:55 a.m., Sunday - 04:1 - 8:00 a.m., Sunday - 04:1 - 8:00 a.m., Friday - 04:0 - 5:00 p.m., Thursday - 00:9 - 1:10 p.m., Thursday - 00:9 - 1:10 p.m., Friday - 00:6 - 8:00 a.m., Thursday - 07:3 - 9:55 a.m., Thursday - 07:3 - 3:05 p.m., Thursday - 02:5 - 3:05 p.m., Friday - 00:6 - 9:55 a.m., Friday - 00:6 - 9:55 a.m., Wednesday - 08:3 - 8:00 a.m., Thursday - 04:9 - 3:05 p.m., Thursday - 04:9 - 3:05 p.m., Sunday - 09:0 - 9:55 a.m., Wednesday - 08:4 - 9:55 a.m., Friday - 01:7 - 5:00 p.m., Friday - 01:7 - 5:00 p.m., Thursday - 10:3 - 9:55 a.m., Thursday - 10:3 - 1:10 p.m., Thursday - 10:3 - 1:10 p.m., Thursday - 08:6 - 3:05 p.m., Friday - 09:0 - 9:55 a.m., Saturday - 03:3 - 9:55 a.m., Thursday - 04:7 - 8:00 a.m., Thursday - 04:7 - 8:00 a.m., Thursday - 04:7 - 9:55 a.m., Thursday - 04:7 - 1:10 p.m., Thursday - 04:7 - 1:10 p.m., Thursday - 04:7 - 3:05 p.m., Thursday - 08:8 - 5:00 p.m., Friday - 10:3 - 5:00 p.m., Wednesday - 08:4 - 2:35 p.m., Friday - 01:2 - 8:00 a.m., Friday - 01:0 - 3:05 p.m., Thursday - 08:0 - 1:10 p.m., Saturday - 08:0 - 9:55 a.m., Friday - 02:7 - 3:05 p.m., Friday - 02:7 - 3:05 p.m., Thursday - 03:9 - 9:55 a.m., Sunday - 05:4 - 8:00 a.m., Sunday - 04:8 - 3:55 p.m., Friday - 00:2 - 8:00 a.m., Friday - 00:2 - 8:00 a.m., Friday - 00:2 - 8:00 a.m., Thursday - 02:5 - 5:00 p.m., Wednesday - 03:5 - 12:40 p.m., Sunday - 05:8 - 2:00 p.m., Sunday - 05:8 - 2:00 p.m., Thursday - 10:2 - 8:00 a.m., Friday - 09:9 - 3:05 p.m., Friday - 09:9 - 3:05 p.m., Friday - 09:9 - 5:00 p.m., Thursday - 09:7 - 9:55 a.m., Saturday - 00:4 - 3:05 p.m., Saturday - 00:4 - 3:05 p.m., Thursday - 01:8 - 3:05 p.m., Thursday - 08:6 - 5:00 p.m., Saturday - 00:3 - 5:00 p.m., Saturday - 00:3 - 5:00 p.m., Saturday - 00:3 - 5:00 p.m., Saturday - 04:1 - 8:00 a.m., Sunday - 08:4 - 2:00 p.m., Friday - 04:8 - 3:05 p.m., Friday - 00:6 - 5:00 p.m., Wednesday - 09:4 - 4:30 p.m., Friday - 05:0 - 1:10 p.m., Saturday - 03:9 - 5:00 p.m., Saturday - 04:7 - 1:10 p.m., Wednesday - 08:6 - 4:30 p.m., Thursday - 01:2 - 1:10 p.m., Friday - 10:0 - 8:00 a.m., Friday - 10:0 - 8:00 a.m., Friday - 10:0 - 8:00 a.m., Friday - 10:0 - 8:00 a.m., Sunday - 02:5 - 2:00 p.m., Saturday - 01:2 - 3:05 p.m., Saturday - 01:2 - 3:05 p.m., Saturday - 07:2 - 8:00 a.m., Friday - 01:8 - 3:05 p.m., Thursday - 01:6 - 9:55 a.m., Thursday - 07:3 - 5:00 p.m., Friday - 02:3 - 5:00 p.m., Saturday - 09:5 - 5:00 p.m., Saturday - 02:7 - 3:05 p.m., Saturday - 10:0 - 8:00 a.m., Saturday - 10:0 - 1:10 p.m., Saturday - 08:0 - 1:10 p.m., Saturday - 09:2 - 8:00 a.m., Friday - 09:7 - 9:55 a.m., Friday - 09:7 - 9:55 a.m., Friday - 09:7 - 9:55 a.m., Friday - 09:7 - 1:10 p.m., Friday - 09:7 - 1:10 p.m., Friday - 09:7 - 1:10 p.m., Friday - 09:7 - 3:05 p.m., Friday -

Friday - 023 - 9:55 a.m., Saturday - 093 - 9:55 a.m., Wednesday - 065 - 12:40 p.m., Saturday - 060 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 084 - 3:05 p.m., Wednesday - 001 - 12:40 p.m., Wednesday - 001 - 12:40 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Saturday - 036

- 097 - 3:05 p.m., Thursday - 023 - 3:05 p.m., Thursday - 023 - 5:00 p.m., Saturday - 033 - 1:10 p.m., Friday - 018 - 9:55 a.m., Wednesday - 092 - 4:30 p.m., Saturday - 026 - 5:00 p.m., Friday - 032 - 5:00 p.m., Saturday - 027 - 8:00 a.m., Sunday - 069 - 3:55 p.m., Thursday - 072 - 8:00 a.m., Sunday - 041 - 2:00 p.m., Friday - 032 - 8:00 a.m., Saturday - 007 - 8:00 a.m., Thursday - 025 - 1:10 p.m., Thursday - 025 - 1:10 p.m., Sunday - 028 - 9:55 a.m., Saturday - 101 - 5:00 p.m., Friday - 093 - 9:55 a.m., Saturday - 025 - 3:05 p.m., Wednesday - 089 - 12:40 p.m., Friday - 089 - 8:00 a.m., Saturday - 103 - 1:10 p.m., Thursday - 021 - 8:00 a.m., Friday - 021 - 8:00 a.m., Friday - 022 - 3:05 p.m., Sunday - 072 - 8:00 a.m., Thursday - 064 - 1:10 p.m., Thursday - 064 - 1:10 p.m., Thursday - 019 - 5:00 p.m., Saturday - 063 - 3:05 p.m., Thursday - 063 - 3:05 p.m., Friday - 025 - 1:10 p.m., Saturday - 063 - 5:00 p.m., Saturday - 063 - 5:00 p.m., Sunday - 054 - 3:55 p.m., Saturday - 028 - 3:05 p.m., Thursday - 001 - 8:00 a.m., Friday - 062 - 8:00 a.m., Friday - 083 - 3:05 p.m., Friday - 083 - 9:55 a.m., Sunday - 060 - 2:00 p.m., Wednesday - 058 - 2:35 p.m., Sunday - 057 - 8:00 a.m., Friday - 083 - 8:00 a.m., Friday - 082 - 5:00 p.m., Thursday - 083 - 9:55 a.m., Thursday - 083 - 9:55 a.m., Thursday - 083 - 3:05 p.m., Saturday - 082 - 5:00 p.m., Saturday - 082 - 9:55 a.m., Saturday - 087 - 3:05 p.m., Saturday - 087 - 3:05 p.m., Thursday - 083 - 5:00 p.m., Wednesday - 049 - 4:30 p.m., Wednesday - 049 - 4:30 p.m., Saturday - 074 - 9:55 a.m., Saturday - 074 - 9:55 a.m., Thursday - 033.5 - 5:00 p.m., Friday - 033.5 - 9:55 a.m., Sunday - 041 - 3:55 p.m., Thursday - 035 - 8:00 a.m., Thursday - 035 - 8:00 a.m., Thursday - 035 - 8:00 a.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Saturday - 043.5 - 8:00 a.m., Saturday - 043.5 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Friday - 043.4 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Thursday - 043.3 - 3:05 p.m., Thursday - 043.3 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Saturday - 043.2 - 8:00 a.m., Saturday - 043.2 - 8:00 a.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.1 - 1:10 p.m., Friday - 043.2 - 1:10 p.m.

Disabilities

Friday - 060 - 3:05 p.m., Wednesday - 038 - 4:30 p.m., Wednesday - 041 - 2:35 p.m., Sunday - 027 - 9:55 a.m., Saturday - 004 - 9:55 a.m., Saturday - 004 - 9:55 a.m., Saturday - 004 - 9:55 a.m., Saturday - 004 - 9:55 a.m., Saturday - 004 - 9:55 a.m., Saturday - 097 - 5:00 p.m., Thursday - 099 - 8:00 a.m., Wednesday - 091 - 9:55 a.m., Friday - 088 - 5:00 p.m., Thursday - 060 - 3:05 p.m., Thursday - 100 - 9:55 a.m., Sunday - 016 - 9:55 a.m., Friday - 039 - 8:00 a.m., Saturday - 063 - 5:00 p.m., Friday - 082 - 1:10 p.m., Friday - 082 - 1:10 p.m., Thursday - 043.1 - 3:05 p.m., Friday - 043.4 - 1:10 p.m., Friday - 043.4 - 1:10 p.m.

Drones

Saturday - 033.5 - 8:00 a.m., Thursday - 033.5 - 3:05 p.m., Friday - 043.4 - 1:10 p.m.,
Thursday - 043.2 - 9:55 a.m., Thursday - 043.2 - 9:55 a.m., Thursday - 043.2 - 9:55 a.m.,
Thursday - 043.2 - 9:55 a.m., Thursday - 043.2 - 9:55 a.m.

Earth Science

Friday - 073 - 9:55 a.m., Saturday - 052 - 1:10 p.m., Wednesday - 052 - 12:40 p.m., Saturday - 065 - 8:00 a.m., Thursday - 072 - 3:05 p.m., Friday - 067 - 9:55 a.m., Thursday - 017 - 8:00 a.m., Wednesday - 090 - 4:30 p.m., Thursday - 066 - 8:00 a.m., Friday - 036 - 8:00 a.m., Friday - 052 - 8:00 a.m., Friday - 052 - 9:55 a.m., Thursday - 025 - 3:05 p.m., Wednesday - 056 - 9:55 a.m., Friday - 069 - 5:00 p.m., Friday - 069 - 5:00 p.m., Friday - 069 - 5:00 p.m., Friday - 069 - 5:00 p.m., Friday - 069 - 5:00 p.m., Saturday - 065 - 9:55 a.m., Saturday - 072 - 1:10 p.m., Thursday - 017 - 1:10 p.m., Saturday - 065 - 3:05 p.m., Thursday - 072 - 5:00 p.m., Saturday - 056 - 1:10 p.m., Saturday - 048 - 9:55 a.m., Thursday - 062 - 1:10 p.m., Thursday - 062 - 3:05 p.m., Thursday - 062 - 5:00 p.m., Saturday - 062 - 3:05 p.m., Wednesday - 058 - 9:55 a.m., Saturday - 049 - 8:00 a.m., Thursday - 033.5 - 8:00 a.m., Wednesday - 033.5 - 4:30 p.m., Wednesday - 033.5 - 4:30 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.2 - 9:55 a.m., Thursday - 043.1 - 3:05 p.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Friday - 043.4 - 3:05 p.m.

East Europe

Friday - 009 - 9:55 a.m., Friday - 095 - 8:00 a.m., Friday - 020 - 3:05 p.m., Friday - 100 - 1:10 p.m., Thursday - 033 - 3:05 p.m., Thursday - 033 - 3:05 p.m., Thursday - 073 - 1:10 p.m., Saturday - 064 - 8:00 a.m., Saturday - 084 - 1:10 p.m., Thursday - 018 - 3:05 p.m., Sunday - 006 - 8:00 a.m., Sunday - 041 - 2:00 p.m., Thursday - 049 - 1:10 p.m., Friday - 022 - 8:00 a.m., Friday - 042 - 8:00 a.m., Sunday - 043 - 2:00 p.m., Thursday - 024 - 5:00 p.m., Friday - 043 - 2:00 p.m., Friday - 043 - 2:00 p.m., Friday - 043 - 2:00 p.m.

Economic Geography

Saturday - 093 - 9:55 a.m., Thursday - 086 - 8:00 a.m., Thursday - 086 - 8:00 a.m.,
Thursday - 102 - 9:55 a.m., Saturday - 006 - 1:10 p.m., Sunday - 063 - 2:00 p.m.,
Wednesday - 065 - 12:40 p.m., Wednesday - 065 - 12:40 p.m., Sunday - 070 - 9:55 a.m.,
Wednesday - 034 - 9:55 a.m., Wednesday - 034 - 9:55 a.m., Wednesday - 034 - 9:55 a.m.,
Wednesday - 034 - 9:55 a.m., Wednesday - 034 - 9:55 a.m., Thursday - 064 - 9:55 a.m.,
Thursday - 064 - 9:55 a.m., Friday - 010 - 8:00 a.m., Friday - 010 - 8:00 a.m., Wednesday
- 041 - 2:35 p.m., Wednesday - 041 - 2:35 p.m., Wednesday - 041 - 2:35 p.m., Wednesday
- 041 - 2:35 p.m., Wednesday - 041 - 2:35 p.m., Friday - 073 - 3:05 p.m., Thursday - 074
- 9:55 a.m., Thursday - 074 - 9:55 a.m., Thursday - 074 - 9:55 a.m., Saturday - 038 - 5:00
p.m., Saturday - 038 - 5:00 p.m., Saturday - 038 - 5:00 p.m., Thursday - 087 - 9:55 a.m.,
Thursday - 087 - 9:55 a.m., Thursday - 087 - 9:55 a.m., Friday - 092 - 9:55 a.m., Friday -
092 - 9:55 a.m., Wednesday - 088 - 2:35 p.m., Friday - 001 - 8:00 a.m., Friday - 001 - 8:00
a.m., Friday - 001 - 8:00 a.m., Friday - 001 - 8:00 a.m., Saturday - 095 - 1:10 p.m.,
Saturday - 095 - 1:10 p.m., Saturday - 095 - 1:10 p.m., Saturday - 095 - 1:10 p.m.,
Thursday - 033 - 9:55 a.m., Friday - 097 - 8:00 a.m., Friday - 020 - 1:10 p.m., Friday - 020
- 1:10 p.m., Friday - 020 - 1:10 p.m., Wednesday - 012 - 12:40 p.m., Wednesday - 012 -
12:40 p.m., Wednesday - 057 - 12:40 p.m., Thursday - 074 - 3:05 p.m., Friday - 020 - 3:05
p.m., Friday - 020 - 3:05 p.m., Friday - 020 - 3:05 p.m., Friday - 020 - 3:05 p.m., Saturday
- 067 - 3:05 p.m., Wednesday - 092 - 8:00 a.m., Sunday - 080 - 2:00 p.m., Wednesday - 036
- 8:00 a.m., Thursday - 074 - 1:10 p.m., Friday - 027 - 9:55 a.m., Friday - 027 - 9:55 a.m.,
Saturday - 036 - 8:00 a.m., Friday - 056 - 9:55 a.m., Friday - 056 - 9:55 a.m., Friday - 086
- 1:10 p.m., Friday - 086 - 1:10 p.m., Friday - 086 - 1:10 p.m., Saturday - 050 - 8:00 a.m.,
Saturday - 050 - 8:00 a.m., Saturday - 050 - 8:00 a.m., Saturday - 050 - 8:00 a.m., Saturday
- 102 - 1:10 p.m., Saturday - 102 - 1:10 p.m., Saturday - 102 - 1:10 p.m., Saturday - 102
- 1:10 p.m., Sunday - 024 - 9:55 a.m., Friday - 092 - 1:10 p.m., Friday - 092 - 1:10 p.m.,
Friday - 092 - 1:10 p.m., Friday - 092 - 1:10 p.m., Saturday - 008 - 3:05 p.m., Saturday -
008 - 3:05 p.m., Friday - 028 - 3:05 p.m., Thursday - 026 - 8:00 a.m., Thursday - 101 - 8:00
a.m., Friday - 100 - 9:55 a.m., Friday - 100 - 9:55 a.m., Friday - 100 - 9:55 a.m., Friday -
100 - 9:55 a.m., Friday - 100 - 9:55 a.m., Saturday - 081 - 9:55 a.m., Saturday - 081 - 9:55
a.m., Saturday - 081 - 9:55 a.m., Saturday - 081 - 9:55 a.m., Saturday - 087 - 9:55 a.m.,
Saturday - 087 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Thursday - 086 - 9:55 a.m.,
Thursday - 086 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Saturday - 001 - 1:10 p.m.,
Saturday - 074 - 1:10 p.m., Friday - 100 - 1:10 p.m., Friday - 100 - 1:10 p.m., Friday - 100
- 1:10 p.m., Friday - 100 - 1:10 p.m., Friday - 100 - 1:10 p.m., Thursday - 063 - 8:00 a.m.,
Wednesday - 012 - 2:35 p.m., Wednesday - 012 - 2:35 p.m., Sunday - 036 - 9:55 a.m.,
Sunday - 036 - 9:55 a.m., Sunday - 036 - 9:55 a.m., Sunday - 036 - 9:55 a.m., Saturday -
066 - 8:00 a.m., Saturday - 036 - 3:05 p.m., Thursday - 024 - 8:00 a.m., Thursday - 089 -
3:05 p.m., Thursday - 089 - 3:05 p.m., Friday - 007 - 9:55 a.m., Thursday - 038 - 8:00 a.m.,
Sunday - 090 - 8:00 a.m., Sunday - 090 - 8:00 a.m., Sunday - 090 - 8:00 a.m., Sunday - 090
- 8:00 a.m., Sunday - 090 - 8:00 a.m., Friday - 005 - 8:00 a.m., Friday - 005 - 8:00 a.m.,
Friday - 005 - 8:00 a.m., Friday - 005 - 8:00 a.m., Friday - 005 - 8:00 a.m., Thursday - 037
- 9:55 a.m., Saturday - 094 - 9:55 a.m., Saturday - 094 - 1:10 p.m., Saturday - 094 - 1:10
p.m., Wednesday - 051 - 12:40 p.m., Wednesday - 081 - 8:00 a.m., Wednesday - 081 - 8:00
a.m., Wednesday - 081 - 8:00 a.m., Wednesday - 081 - 8:00 a.m., Wednesday - 081 - 8:00
a.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 8:00 a.m.,
Saturday - 097 - 8:00 a.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 9:55 a.m., Saturday
- 097 - 9:55 a.m., Friday - 084 - 8:00 a.m., Friday - 084 - 8:00 a.m., Wednesday - 039 - 2:35
p.m., Wednesday - 039 - 2:35 p.m., Thursday - 038 - 9:55 a.m., Thursday - 038 - 9:55 a.m.,
Thursday - 038 - 9:55 a.m., Thursday - 025 - 8:00 a.m., Thursday - 025 - 8:00 a.m., Friday
- 064 - 9:55 a.m., Friday - 064 - 9:55 a.m., Friday - 064 - 9:55 a.m., Friday - 064 - 9:55
a.m., Friday - 064 - 9:55 a.m., Wednesday - 012 - 8:00 a.m., Wednesday - 012 - 9:55 a.m.,
Wednesday - 012 - 9:55 a.m., Wednesday - 012 - 9:55 a.m., Thursday - 034 - 8:00 a.m.,
Thursday - 034 - 1:10 p.m., Saturday - 050 - 9:55 a.m., Saturday - 050 - 9:55 a.m.,
Saturday - 050 - 9:55 a.m., Saturday - 050 - 9:55 a.m., Thursday - 005 - 9:55 a.m., Saturday
- 003 - 8:00 a.m., Saturday - 003 - 8:00 a.m., Wednesday - 031 - 12:40 p.m., Friday - 026
- 3:05 p.m., Thursday - 005 - 1:10 p.m., Saturday - 073 - 5:00 p.m., Saturday - 073 - 5:00
p.m., Sunday - 020 - 8:00 a.m., Sunday - 020 - 8:00 a.m., Sunday - 020 - 8:00 a.m.,
Wednesday - 065 - 2:35 p.m., Wednesday - 081 - 9:55 a.m., Wednesday - 081 - 9:55 a.m.,
Wednesday - 081 - 9:55 a.m., Wednesday - 081 - 9:55 a.m., Wednesday - 081 - 12:40 p.m.,
Wednesday - 081 - 12:40 p.m., Wednesday - 081 - 12:40 p.m., Thursday - 019 - 9:55 a.m.,
Friday - 031 - 1:10 p.m., Thursday - 102 - 5:00 p.m., Thursday - 102 - 5:00 p.m.,
Wednesday - 081 - 2:35 p.m., Wednesday - 081 - 2:35 p.m., Wednesday - 081 - 2:35 p.m.,
Wednesday - 081 - 2:35 p.m., Wednesday - 081 - 2:35 p.m., Thursday - 073 - 9:55 a.m.,
Thursday - 073 - 9:55 a.m., Wednesday - 067 - 2:35 p.m., Wednesday - 081 - 4:30 p.m.,
Wednesday - 081 - 4:30 p.m., Wednesday - 081 - 4:30 p.m., Wednesday - 081 - 4:30 p.m.,
Wednesday - 081 - 4:30 p.m., Thursday - 081 - 8:00 a.m., Thursday - 081 - 8:00 a.m.,
Thursday - 081 - 8:00 a.m., Thursday - 081 - 8:00 a.m., Friday - 062 - 3:05 p.m., Friday -
023 - 1:10 p.m., Thursday - 025 - 3:05 p.m., Friday - 038 - 8:00 a.m., Friday - 038 - 8:00
a.m., Wednesday - 091 - 9:55 a.m., Friday - 094 - 5:00 p.m., Friday - 094 - 5:00 p.m.,
Friday - 094 - 5:00 p.m., Friday - 094 - 5:00 p.m., Friday - 094 - 5:00 p.m., Friday - 006
- 9:55 a.m., Saturday - 023 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Saturday - 012 - 1:10

Sunday - 063 - 2:00 p.m.

Thursday - 072 - 1:10 p.m., Friday - 073 - 1:10 p.m., Friday - 034 - 3:05 p.m., Friday - 080 - 8:00 a.m., Thursday - 100 - 8:00 a.m., Friday - 102 - 8:00 a.m., Thursday - 074 - 3:05 p.m., Sunday - 039 - 8:00 a.m., Thursday - 072 - 3:05 p.m., Saturday - 101 - 1:10 p.m., Wednesday - 032 - 12:40 p.m., Wednesday - 032 - 2:35 p.m., Sunday - 038 - 3:55 p.m., Sunday - 048 - 9:55 a.m., Thursday - 094 - 3:05 p.m., Friday - 048 - 8:00 a.m., Sunday - 086 - 2:00 p.m., Saturday - 023 - 9:55 a.m., Friday - 063 - 8:00 a.m., Friday - 095 - 1:10 p.m., Friday - 094 - 1:10 p.m., Wednesday - 094 - 12:40 p.m., Wednesday - 090 - 4:30 p.m., Sunday - 060 - 8:00 a.m., Wednesday - 086 - 9:55 a.m., Friday - 022 - 1:10 p.m., Friday - 028 - 8:00 a.m., Friday - 036 - 8:00 a.m., Thursday - 060 - 8:00 a.m., Friday - 080 - 9:55 a.m., Friday - 080 - 9:55 a.m., Sunday - 037 - 2:00 p.m., Sunday - 001 - 9:55 a.m., Friday - 094 - 3:05 p.m., Saturday - 033 - 9:55 a.m., Thursday - 039 - 9:55 a.m., Saturday - 055 - 5:00 p.m., Friday - 041 - 3:05 p.m., Sunday - 058 - 9:55 a.m., Friday - 087 - 3:05 p.m., Thursday - 022 - 1:10 p.m., Wednesday - 093 - 9:55 a.m., Wednesday - 093 - 9:55 a.m., Saturday - 048 - 8:00 a.m., Saturday - 048 - 8:00 a.m., Friday - 039 - 9:55 a.m., Thursday - 099 - 5:00 p.m., Saturday - 072 - 9:55 a.m., Thursday - 061 - 1:10 p.m., Thursday - 017 - 9:55 a.m., Thursday - 017 - 9:55 a.m., Friday - 022 - 9:55 a.m., Friday - 066 - 1:10 p.m., Friday - 025 - 5:00 p.m., Saturday - 103 - 8:00 a.m., Saturday

Friday - 103 - 9:55 a.m., Friday - 009 - 9:55 a.m., Friday - 009 - 9:55 a.m., Saturday - 038 - 5:00 p.m., Friday - 098 - 8:00 a.m., Wednesday - 037 - 9:55 a.m., Friday - 103 - 1:10 p.m., Friday - 094 - 3:05 p.m., Saturday - 084 - 1:10 p.m., Saturday - 084 - 1:10 p.m., Saturday - 019 - 9:55 a.m., Saturday - 019 - 9:55 a.m., Saturday - 019 - 8:00 a.m., Saturday - 064 - 9:55 a.m., Saturday - 027 - 8:00 a.m., Friday - 022 - 8:00 a.m., Saturday - 103 - 3:05

TOPICAL INDEX

p.m., Friday - 022 - 3:05 p.m., Friday - 022 - 3:05 p.m., Sunday - 066 - 9:55 a.m., Friday - 043.2 - 9:55 a.m.

Europe

Wednesday - 038 - 8:00 a.m., Thursday - 099 - 3:05 p.m., Thursday - 099 - 3:05 p.m., Saturday - 007 - 1:10 p.m., Saturday - 007 - 1:10 p.m., Saturday - 009 - 3:05 p.m., Friday - 081 - 1:10 p.m., Friday - 007 - 3:05 p.m., Friday - 020 - 1:10 p.m., Friday - 020 - 1:10 p.m., Saturday - 039 - 8:00 a.m., Sunday - 080 - 2:00 p.m., Friday - 064 - 5:00 p.m., Friday - 092 - 1:10 p.m., Friday - 028 - 3:05 p.m., Wednesday - 037 - 9:55 a.m., Friday - 100 - 9:55 a.m., Friday - 012 - 1:10 p.m., Sunday - 089 - 2:00 p.m., Saturday - 081 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Saturday - 001 - 1:10 p.m., Saturday - 001 - 1:10 p.m., Sunday - 005 - 9:55 a.m., Thursday - 024 - 8:00 a.m., Thursday - 089 - 3:05 p.m., Friday - 007 - 9:55 a.m., Friday - 094 - 1:10 p.m., Saturday - 097 - 9:55 a.m., Wednesday - 039 - 2:35 p.m., Wednesday - 012 - 8:00 a.m., Wednesday - 086 - 9:55 a.m., Saturday - 050 - 9:55 a.m., Sunday - 047 - 3:55 p.m., Saturday - 098 - 5:00 p.m., Wednesday - 081 - 9:55 a.m., Thursday - 073 - 1:10 p.m., Sunday - 090 - 3:55 p.m., Saturday - 093 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Friday - 023 - 1:10 p.m., Saturday - 047 - 5:00 p.m., Friday - 050 - 9:55 a.m., Saturday - 064 - 8:00 a.m., Thursday - 100 - 9:55 a.m., Saturday - 004 - 1:10 p.m., Thursday - 018 - 3:05 p.m., Thursday - 018 - 3:05 p.m., Saturday - 039 - 9:55 a.m., Thursday - 012 - 8:00 a.m., Sunday - 084 - 2:00 p.m., Thursday - 095 - 9:55 a.m., Sunday - 006 - 9:55 a.m., Sunday - 041 - 9:55 a.m., Thursday - 082 - 8:00 a.m., Friday - 003 - 3:05 p.m., Saturday - 095 - 5:00 p.m., Saturday - 009 - 8:00 a.m., Wednesday - 034 - 2:35 p.m., Thursday - 082 - 9:55 a.m., Wednesday - 055 - 12:40 p.m., Saturday - 099 - 3:05 p.m., Saturday - 009 - 9:55 a.m., Saturday - 009 - 9:55 a.m., Friday - 032 - 5:00 p.m., Saturday - 099 - 9:55 a.m., Saturday - 041 - 9:55 a.m., Friday - 089 - 1:10 p.m., Friday - 021 - 1:10 p.m., Friday - 021 - 1:10 p.m., Thursday - 016 - 8:00 a.m., Thursday - 001 - 8:00 a.m., Thursday - 001 - 8:00 a.m., Friday - 062 - 9:55 a.m., Friday - 057 - 9:55 a.m., Sunday - 020 - 2:00 p.m., Sunday - 053 - 9:55 a.m., Sunday - 081 - 3:55 p.m., Sunday - 081 - 3:55 p.m., Sunday - 081 - 3:55 p.m., Saturday - 087 - 5:00 p.m., Thursday - 033.5 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Saturday - 043.3 - 8:00 a.m., Friday - 043.1 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.

Field Methods

Wednesday - 052 - 12:40 p.m., Wednesday - 051 - 4:30 p.m., Friday - 008 - 9:55 a.m., Thursday - 016 - 5:00 p.m., Thursday - 016 - 5:00 p.m., Saturday - 093 - 1:10 p.m., Sunday - 090 - 2:00 p.m., Friday - 026 - 1:10 p.m., Thursday - 034 - 5:00 p.m., Thursday - 048 - 9:55 a.m., Sunday - 005 - 9:55 a.m., Sunday - 055 - 3:55 p.m., Wednesday - 086 - 9:55 a.m., Saturday - 035 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Saturday - 040 - 5:00 p.m., Wednesday - 086 - 12:40 p.m., Thursday - 047 - 9:55 a.m., Friday - 007 - 1:10 p.m., Friday - 027 - 3:05 p.m., Sunday - 048 - 2:00 p.m., Thursday - 098 - 1:10 p.m., Saturday - 041 - 8:00 a.m., Wednesday - 093 - 9:55 a.m., Wednesday - 094 - 2:35 p.m., Thursday - 026 - 3:05 p.m., Thursday - 087 - 8:00 a.m., Wednesday - 089 - 12:40 p.m., Thursday - 023 - 9:55 a.m., Thursday - 023 - 9:55 a.m., Thursday - 023 - 9:55 a.m., Saturday - 064 - 5:00 p.m., Thursday - 057 - 8:00 a.m., Thursday - 053 - 9:55 a.m., Friday - 067 - 1:10 p.m., Thursday - 033.5 - 9:55 a.m., Wednesday - 087 - 9:55 a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Saturday - 043.1 - 8:00 a.m., Friday - 043.1 - 1:10 p.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Thursday - 043.3 - 3:05 p.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.3 - 1:10 p.m., Thursday - 043.3 - 1:10 p.m.

Food Systems

Thursday - 101 - 8:00 a.m., Thursday - 101 - 9:55 a.m., Friday - 101 - 5:00 p.m., Friday - 037 - 3:05 p.m., Sunday - 091 - 8:00 a.m., Wednesday - 088 - 12:40 p.m., Thursday - 024 - 3:05 p.m., Wednesday - 074 - 9:55 a.m., Sunday - 062 - 2:00 p.m., Sunday - 062 - 2:00 p.m., Thursday - 083 - 5:00 p.m., Saturday - 033.5 - 1:10 p.m., Saturday - 033.5 - 1:10 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.5 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.3 - 3:05 p.m., Thursday - 043.3 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Saturday - 043.6 - 8:00 a.m., Saturday - 043.6 - 8:00 a.m.

Gender

Thursday - 007 - 8:00 a.m., Thursday - 007 - 8:00 a.m., Thursday - 007 - 8:00 a.m., Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 2:35 p.m., Wednesday - 038 - 2:35 p.m., Wednesday - 038 - 2:35 p.m., Thursday - 068 - 5:00 p.m., Wednesday - 007 - 2:35 p.m., Thursday - 020 - 3:05 p.m., Wednesday - 041 - 2:35 p.m., Wednesday - 041 - 2:35 p.m., Friday - 007 - 3:05 p.m., Friday - 010 - 5:00 p.m., Friday - 068 - 8:00 a.m., Saturday - 094 - 8:00 a.m., Saturday - 004 - 9:55 a.m., Saturday - 056 - 9:55 a.m., Saturday - 056 - 9:55 a.m., Sunday - 061 - 8:00 a.m., Friday - 086 - 1:10 p.m., Sunday - 016 - 2:00 p.m., Sunday - 016 - 2:00 p.m., Friday - 026 - 1:10 p.m., Sunday - 024 - 2:00 p.m., Sunday

- 024 - 2:00 p.m., Saturday - 087 - 9:55 a.m., Friday - 064 - 1:10 p.m., Thursday - 012 - 5:00 p.m., Thursday - 012 - 5:00 p.m., Thursday - 019 - 8:00 a.m., Friday - 007 - 9:55 a.m., Thursday - 016 - 1:10 p.m., Friday - 094 - 1:10 p.m., Friday - 035 - 1:10 p.m., Wednesday - 051 - 12:40 p.m., Wednesday - 051 - 12:40 p.m., Wednesday - 039 - 2:35 p.m., Friday - 035 - 3:05 p.m., Sunday - 060 - 8:00 a.m., Saturday - 009 - 1:10 p.m., Saturday - 009 - 1:10 p.m., Sunday - 055 - 3:55 p.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 9:55 a.m., Thursday - 034 - 9:55 a.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 3:05 p.m., Wednesday - 037 - 4:30 p.m., Saturday - 009 - 5:00 p.m., Saturday - 005 - 9:55 a.m., Saturday - 102 - 3:05 p.m., Saturday - 054 - 3:05 p.m., Thursday - 099 - 8:00 a.m., Thursday - 020 - 1:10 p.m., Saturday - 028 - 5:00 p.m., Saturday - 028 - 5:00 p.m., Wednesday - 067 - 2:35 p.m., Friday - 038 - 8:00 a.m., Thursday - 053 - 8:00 a.m., Thursday - 053 - 8:00 a.m., Saturday - 083 - 5:00 p.m., Saturday - 083 - 5:00 p.m., Sunday - 051 - 8:00 a.m., Saturday - 023 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Friday - 088 - 5:00 p.m., Sunday - 016 - 3:55 p.m., Sunday - 016 - 3:55 p.m., Sunday - 016 - 3:55 p.m., Sunday - 038 - 9:55 a.m., Friday - 005 - 9:55 a.m., Saturday - 040 - 3:05 p.m., Wednesday - 041 - 4:30 p.m., Wednesday - 041 - 4:30 p.m., Thursday - 047 - 8:00 a.m., Thursday - 047 - 9:55 a.m., Thursday - 047 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 103 - 5:00 p.m., Saturday - 039 - 3:05 p.m., Saturday - 006 - 8:00 a.m., Saturday - 006 - 8:00 a.m., Thursday - 039 - 8:00 a.m., Friday - 002 - 8:00 a.m., Friday - 002 - 8:00 a.m., Friday - 037 - 1:10 p.m., Friday - 037 - 9:55 a.m., Friday - 037 - 9:55 a.m., Thursday - 033 - 5:00 p.m., Saturday - 004 - 3:05 p.m., Saturday - 092 - 5:00 p.m., Wednesday - 094 - 4:30 p.m., Saturday - 039 - 5:00 p.m., Saturday - 039 - 5:00 p.m., Thursday - 018 - 9:55 a.m., Wednesday - 086 - 4:30 p.m., Saturday - 012 - 3:05 p.m., Saturday - 087 - 8:00 a.m., Thursday - 061 - 1:10 p.m., Thursday - 073 - 5:00 p.m., Friday - 012 - 3:05 p.m., Friday - 101 - 8:00 a.m., Friday - 101 - 9:55 a.m., Friday - 101 - 1:10 p.m., Friday - 101 - 1:10 p.m., Sunday - 041 - 9:55 a.m., Saturday - 020 - 1:10 p.m., Friday - 008 - 3:05 p.m., Friday - 008 - 3:05 p.m., Friday - 022 - 9:55 a.m., Friday - 026 - 5:00 p.m., Saturday - 092 - 8:00 a.m., Friday - 072 - 8:00 a.m., Thursday - 026 - 3:05 p.m., Saturday - 098 - 9:55 a.m., Friday - 024 - 1:10 p.m., Friday - 027 - 5:00 p.m., Sunday - 064 - 9:55 a.m., Thursday - 065 - 9:55 a.m., Friday - 093 - 9:55 a.m., Friday - 093 - 9:55 a.m., Friday - 093 - 9:55 a.m., Friday - 093 - 9:55 a.m., Thursday - 008 - 9:55 a.m., Thursday - 089 - 5:00 p.m., Thursday - 089 - 5:00 p.m., Saturday - 005 - 3:05 p.m., Thursday - 021 - 8:00 a.m., Friday - 020 - 9:55 a.m., Sunday - 027 - 2:00 p.m., Saturday - 088 - 8:00 a.m., Sunday - 028 - 8:00 a.m., Sunday - 028 - 8:00 a.m., Friday - 056 - 8:00 a.m., Friday - 083 - 3:05 p.m., Friday - 083 - 3:05 p.m., Friday - 053 - 9:55 a.m., Friday - 083 - 8:00 a.m., Friday - 083 - 8:00 a.m., Friday - 082 - 3:05 p.m., Thursday - 027 - 8:00 a.m., Friday - 033.5 - 9:55 a.m., Friday - 043.3 - 1:10 p.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Thursday - 043.1 - 3:05 p.m., Thursday - 043.4 - 1:10 p.m.

Geographic Information Science and Systems

Sunday - 028 - 2:00 p.m., Sunday - 028 - 2:00 p.m., Sunday - 028 - 2:00 p.m., Saturday - 020 - 5:00 p.m., Saturday - 090 - 1:10 p.m., Friday - 073 - 8:00 a.m., Friday - 073 - 9:55 a.m., Wednesday - 054 - 2:35 p.m., Wednesday - 054 - 2:35 p.m., Saturday - 023 - 8:00 a.m., Saturday - 023 - 8:00 a.m., Sunday - 063 - 2:00 p.m., Sunday - 063 - 2:00 p.m., Saturday - 063 - 2:00 p.m., Wednesday - 073 - 8:00 a.m., Thursday - 097 - 5:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 072 - 1:10 p.m., Thursday - 072 - 1:10 p.m., Thursday - 072 - 1:10 p.m., Saturday - 060 - 8:00 a.m., Saturday - 060 - 8:00 a.m., Saturday - 060 - 8:00 a.m., Saturday - 060 - 8:00 a.m., Wednesday - 052 - 12:40 p.m., Wednesday - 051 - 4:30 p.m., Wednesday - 051 - 4:30 p.m., Saturday - 060 - 1:10 p.m., Saturday - 060 - 1:10 p.m., Friday - 041 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 065 - 5:00 p.m., Friday - 065 - 5:00 p.m., Friday - 065 - 5:00 p.m., Thursday - 074 - 9:55 a.m., Friday - 055 - 8:00 a.m., Friday - 055 - 8:00 a.m., Friday - 004 - 1:10 p.m., Friday - 004 - 1:10 p.m., Friday - 010 - 5:00 p.m., Friday - 010 - 5:00 p.m., Friday - 010 - 5:00 p.m., Friday - 074 - 1:10 p.m., Friday - 074 - 1:10 p.m., Friday - 074 - 1:10 p.m., Saturday - 091 - 8:00 a.m., Saturday - 091 - 8:00 a.m., Saturday - 091 - 8:00 a.m., Saturday - 091 - 8:00 a.m., Wednesday - 001 - 12:40 p.m., Wednesday - 001 - 12:40 p.m., Wednesday - 001 - 12:40 p.m., Wednesday - 001 - 12:40 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 055 - 2:35 p.m., Saturday - 055 - 9:55 a.m., Wednesday - 067 - 9:55 a.m., Friday - 055 - 9:55 a.m., Thursday - 048 - 8:00 a.m., Thursday - 048 - 8:00 a.m., Thursday - 048 - 8:00 a.m., Wednesday - 090 - 8:00 a.m., Sunday - 039 - 8:00 a.m., Thursday - 072 - 3:05 p.m., Sunday - 062 - 8:00 a.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 3:05 p.m., Thursday - 067 - 3:05 p.m., Friday - 067 - 9:55 a.m., Friday - 067 - 9:55 a.m., Friday - 067 - 9:55 a.m., Friday - 055 - 3:05 p.m., Friday - 055 - 3:05 p.m., Thursday - 093 - 8:00 a.m., Wednesday - 087 - 4:30 p.m., Wednesday - 087 - 4:30 p.m., Wednesday - 087 - 4:30 p.m., Wednesday - 087 - 4:30 p.m., Wednesday - 049 - 9:55 a.m., Friday - 087 - 1:10 p.m., Friday - 087 - 1:10 p.m., Friday - 087 - 8:00 a.m., Friday - 087 - 8:00 a.m., Friday - 087 - 8:00 a.m., Friday - 087 - 8:00 a.m., Friday - 087 - 8:00 a.m., Sunday - 080 - 2:00 p.m.,

TOPICAL INDEX

[illegible][illegible]

Thursday - 068 - 5:00 p.m., Thursday - 016 - 3:05 p.m., Thursday - 016 - 3:05 p.m., Thursday - 016 - 3:05 p.m., Thursday - 016 - 3:05 p.m., Thursday - 016 - 3:05 p.m., Wednesday - 051 - 4:30 p.m., Wednesday - 051 - 4:30 p.m., Wednesday - 051 - 4:30 p.m., Wednesday - 051 - 4:30 p.m., Wednesday - 051 - 4:30 p.m., Friday - 074 - 1:10 p.m., Thursday - 016 - 5:00 p.m., Thursday - 016 - 5:00 p.m., Thursday - 016 - 5:00 p.m., Thursday - 016 - 5:00 p.m., Thursday - 016 - 5:00 p.m., Wednesday - 087 - 12:40

TOPICAL INDEX

Wednesday - 052 - 12:40 p.m., Saturday - 065 - 8:00 a.m., Saturday - 065 - 8:00 a.m.,
Saturday - 065 - 8:00 a.m., Saturday - 065 - 8:00 a.m., Saturday - 065 - 8:00 a.m., Friday
- 025 - 9:55 a.m., Thursday - 048 - 1:10 p.m., Thursday - 072 - 9:55 a.m., Friday - 033 -
3:05 p.m., Sunday - 063 - 9:55 a.m., Thursday - 066 - 8:00 a.m., Friday - 036 - 8:00 a.m.,
Friday - 054 - 9:55 a.m., Friday - 054 - 3:05 p.m., Friday - 054 - 3:05 p.m., Thursday
022 - 8:00 a.m., Saturday - 057 - 9:55 a.m., Sunday - 019 - 3:55 p.m., Friday - 054 - 5:00
p.m., Friday - 054 - 5:00 p.m., Wednesday - 056 - 9:55 a.m., Wednesday - 056 - 9:55 a.m.,
Thursday - 066 - 9:55 a.m., Friday - 087 - 3:05 p.m., Saturday - 065 - 9:55 a.m., Saturday
- 065 - 9:55 a.m., Saturday - 065 - 9:55 a.m., Saturday - 065 - 9:55 a.m., Saturday - 034
- 1:10 p.m., Saturday - 072 - 9:55 a.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10
p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 1:10 p.m., Saturday - 072 - 8:00 a.m.,
Saturday - 072 - 8:00 a.m., Saturday - 072 - 8:00 a.m., Saturday - 072 - 3:05 p.m., Saturday
- 072 - 3:05 p.m., Saturday - 072 - 3:05 p.m., Wednesday - 053 - 12:40 p.m., Wednesday
- 072 - 2:35 p.m., Wednesday - 072 - 2:35 p.m., Wednesday - 072 - 4:30 p.m., Saturday
- 065 - 3:05 p.m., Saturday - 065 - 3:05 p.m., Saturday - 065 - 3:05 p.m., Saturday - 065
- 3:05 p.m., Saturday - 065 - 3:05 p.m., Saturday - 048 - 9:55 a.m., Thursday - 061 - 3:05
p.m., Saturday - 062 - 9:55 a.m., Thursday - 064 - 8:00 a.m., Saturday - 058 - 1:10 p.m.,
Saturday - 049 - 3:05 p.m., Saturday - 049 - 3:05 p.m., Friday - 065 - 9:55 a.m., Friday
049 - 1:10 p.m., Friday - 049 - 1:10 p.m., Friday - 033.5 - 5:00 p.m., Friday - 033.5 - 5:00
p.m., Friday - 033.5 - 5:00 p.m., Friday - 033.5 - 5:00 p.m., Friday - 033.5 - 5:00 p.m.,
Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday
- 043.5 - 8:00 a.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday -
043.1 - 8:00 a.m., Thursday - 043.1 - 9:55 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4
- 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00
a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m.,
Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday

Saturday - 061 - 3:05 p.m., Saturday - 061 - 3:05 p.m., Friday - 065 - 5:00 p.m., Wednesday - 073 - 2:35 p.m., Saturday - 055 - 9:55 a.m., Thursday - 048 - 8:00 a.m., Thursday - 048 - 8:00 a.m., Thursday - 072 - 3:05 p.m., Thursday - 072 - 3:05 p.m., Wednesday - 072 - 8:00 a.m., Friday - 087 - 1:10 p.m., Friday - 087 - 1:10 p.m., Friday - 087 - 1:10 p.m., Friday - 087 - 8:00 a.m., Friday - 087 - 8:00 a.m., Wednesday - 092 - 8:00 a.m., Wednesday - 036 - 8:00 a.m., Friday - 056 - 9:55 a.m., Sunday - 001 - 8:00 a.m., Friday - 028 - 3:05 p.m., Wednesday - 035 - 8:00 a.m., Saturday - 063 - 9:55 a.m., Saturday - 063 - 9:55 a.m., Thursday - 048 - 9:55 a.m., Thursday - 048 - 1:10 p.m., Thursday - 048 - 3:05 p.m., Thursday - 048 - 3:05 p.m., Thursday - 048 - 3:05 p.m., Friday - 048 - 8:00 a.m., Friday - 048 - 8:00 a.m., Friday - 048 - 8:00 a.m., Friday - 048 - 8:00 a.m., Friday - 048 - 5:00 p.m., Friday - 048 - 5:00 p.m., Friday - 048 - 5:00 p.m., Friday - 048 - 5:00 p.m., Friday - 048 - 5:00 p.m., Thursday - 024 - 8:00 a.m., Friday - 007 - 9:55 a.m., Wednesday - 049 - 8:00 a.m., Sunday - 063 - 8:00 a.m., Sunday - 063 - 8:00 a.m., Sunday - 063 - 8:00 a.m., Sunday - 060 - 8:00 a.m., Sunday - 060 - 8:00 a.m., Sunday - 063 - 9:55 a.m., Thursday - 092 - 3:05 p.m., Wednesday - 031 - 9:55 a.m., Friday - 036 - 8:00 a.m., Friday - 036 - 8:00 a.m., Thursday - 035 - 3:05 p.m., Thursday - 035 - 3:05 p.m., Thursday - 060 - 9:55 a.m., Thursday - 060 - 8:00 a.m., Friday - 052 - 1:10 p.m., Sunday - 068 - 8:00 a.m., Wednesday - 031 - 4:30 p.m., Sunday - 041 - 8:00 a.m., Thursday - 084 - 3:05 p.m., Friday - 040 - 5:00 p.m., Friday - 048 - 9:55 a.m., Saturday - 040 - 5:00 p.m., Thursday - 103 - 1:10 p.m., Thursday - 084 - 1:10 p.m., Thursday - 004 - 1:10 p.m., Thursday - 047 - 3:05 p.m., Thursday - 088 - 5:00 p.m., Wednesday - 084 - 12:40 p.m., Wednesday - 084 - 2:35 p.m., Sunday - 050 - 8:00 a.m., Friday - 087 - 3:05 p.m., Thursday - 094 - 5:00 p.m., Friday - 048 - 1:10 p.m., Friday - 048 - 1:10 p.m., Friday - 048 - 1:10 p.m., Friday - 048 - 1:10 p.m., Friday - 048 - 3:05 p.m., Friday - 048 - 3:05 p.m., Thursday - 047 - 5:00 p.m., Thursday - 091 - 3:05 p.m., Saturday - 048 - 8:00 a.m., Saturday - 048 - 8:00 a.m., Saturday - 048 - 8:00 a.m., Thursday - 018 - 9:55 a.m., Thursday - 058 - 9:55 a.m., Saturday - 072 - 9:55 a.m., Saturday - 063 - 1:10 p.m., Wednesday - 034 - 4:30 p.m., Thursday - 050 - 5:00 p.m., Wednesday - 053 - 12:40 p.m., Friday - 058 - 5:00 p.m., Friday - 058 - 5:00 p.m., Friday - 058 - 5:00 p.m., Saturday - 101 - 3:05 p.m., Wednesday - 072 - 2:35 p.m., Wednesday - 072 - 2:35 p.m., Wednesday - 072 - 4:30 p.m., Thursday - 088 - 1:10 p.m., Saturday - 007 - 8:00 a.m., Saturday - 007 - 8:00 a.m., Thursday - 065 - 8:00 a.m., Saturday - 101 - 5:00

Sunday - 048 - 8:00 a.m., Wednesday - 038 - 8:00 a.m., Thursday - 099 - 3:05 p.m., Thursday - 020 - 8:00 a.m., Thursday - 020 - 8:00 a.m., Thursday - 020 - 8:00 a.m., Thursday - 019 - 3:05 p.m., Friday - 019 - 3:05 p.m., Friday - 019 - 3:05 p.m., Friday - 019 - 3:05 p.m., Saturday - 009 - 3:05 p.m., Saturday - 009 - 3:05 p.m., Thursday - 072 - 1:10 p.m., Friday - 073 - 3:05 p.m., Friday - 093 - 1:10 p.m., Friday - 093 - 1:10 p.m., Friday - 034 - 3:05 p.m., Friday - 084 - 3:05 p.m., Friday - 010 - 5:00 p.m., Friday - 010 - 5:00 p.m., Friday - 010 - 5:00 p.m., Friday - 010 - 5:00 p.m., Saturday - 004 - 9:55 a.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 1:10 p.m., Thursday - 033 - 9:55 a.m., Thursday - 048 - 8:00 a.m., Friday - 027 - 9:55 a.m., Thursday - 100 - 1:10 p.m., Thursday - 100 - 1:10 p.m., Wednesday - 038 - 9:55 a.m., Sunday - 038 - 3:55 p.m., Thursday - 026 - 8:00 a.m., Thursday - 026 - 8:00 a.m., Wednesday - 037 - 9:55 a.m., Sunday - 068 - 9:55 a.m., Sunday - 068 - 9:55 a.m., Sunday - 068 - 9:55 a.m., Sunday - 068 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Saturday - 074 - 1:10 p.m., Friday - 100 - 1:10 p.m., Saturday - 102 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Wednesday - 094 - 12:40 p.m., Thursday - 025 - 8:00 a.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Wednesday - 031 - 12:40 p.m., Wednesday - 031 - 9:55 a.m., Friday - 034 - 1:10 p.m.,

Sunday - 048 - 8:00 a.m., Saturday - 020 - 5:00 p.m., Saturday - 093 - 9:55 a.m., Saturday - 093 - 9:55 a.m., Friday - 022 - 5:00 p.m., Saturday - 101 - 8:00 a.m., Thursday - 068 - 5:00 p.m., Saturday - 060 - 8:00 a.m., Friday - 009 - 9:55 a.m., Friday - 009 - 9:55 a.m., Wednesday - 051 - 4:30 p.m., Friday - 073 - 1:10 p.m., Friday - 010 - 8:00 a.m., Friday - 080 - 8:00 a.m., Saturday - 004 - 9:55 a.m., Wednesday - 092 - 12:40 p.m., Saturday - 038 - 8:00 a.m., Friday - 102 - 8:00 a.m., Wednesday - 012 - 12:40 p.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 9:55 a.m., Wednesday - 090 - 9:55 a.m., Wednesday - 090 - 9:55 a.m., Wednesday - 090 - 12:40 p.m., Sunday - 039 - 8:00 a.m., Friday - 061 - 3:05 p.m., Friday - 031 - 3:05 p.m., Friday - 031 - 3:05 p.m., Thursday - 072 - 3:05 p.m., Saturday - 067 - 3:05 p.m., Friday - 087 - 1:10 p.m., Wednesday - 092 - 8:00 a.m., Saturday - 101 - 1:10 p.m., Saturday - 101 - 1:10 p.m., Saturday - 101 - 1:10 p.m., Thursday - 009 - 9:55 a.m., Friday - 018 - 1:10 p.m., Thursday - 088 - 8:00 a.m., Thursday - 088 - 8:00 a.m., Sunday - 001 - 8:00 a.m., Sunday - 001 - 8:00 a.m., Sunday - 090 - 2:00 p.m., Saturday - 065 - 5:00 p.m., Saturday - 065 - 5:00 p.m., Thursday - 088 - 3:05 p.m., Thursday - 048 - 1:10 p.m., Thursday - 048 - 3:05 p.m., Sunday - 086 - 2:00 p.m., Saturday - 023 - 9:55 a.m., Saturday - 066 - 8:00 a.m., Saturday - 066 - 8:00 a.m., Thursday - 024 - 8:00 a.m., Friday - 095 - 1:10 p.m., Saturday - 057 - 1:10 p.m., Thursday - 038 - 8:00 a.m., Thursday - 038 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Wednesday - 049 - 8:00 a.m., Sunday - 063 - 8:00 a.m., Friday - 084 - 8:00 a.m., Friday - 084 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Saturday - 038 - 9:55 a.m., Thursday - 038 - 9:55 a.m., Wednesday - 058 - 12:40 p.m., Sunday - 055 - 3:55 p.m., Saturday - 012 - 8:00 a.m., Saturday - 084 - 9:55 a.m., Thursday - 026 - 9:55 a.m., Saturday - 005 - 9:55 a.m., Friday - 036 - 8:00 a.m., Friday - 036 - 8:00 a.m., Thursday - 060 - 8:00 a.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Saturday - 102 - 5:00 p.m., Sunday - 081 - 8:00 a.m., Sunday - 081 - 8:00 a.m., Friday - 010 - 9:55 a.m., Friday - 010 - 1:10 p.m., Thursday - 060 - 1:10 p.m., Sunday - 068 - 8:00 a.m., Sunday - 068 - 8:00 a.m., Saturday - 073 - 5:00 p.m., Friday - 037 - 8:00 a.m., Saturday - 033 - 8:00 a.m., Thursday - 018 - 8:00 a.m., Thursday - 101 - 9:55 a.m., Thursday - 101 - 9:55 a.m., Thursday - 020 - 1:10 p.m., Friday - 031 - 1:10 p.m., Sunday - 041 - 8:00 a.m., Sunday - 041 - 8:00 a.m., Thursday - 084 - 3:05 p.m., Thursday - 084 - 9:55 a.m., Friday - 094 - 5:00 p.m., Wednesday - 083 - 8:00 a.m., Sunday - 027 - 3:55 p.m., Sunday - 027 - 3:55 p.m., Thursday - 054 - 8:00 a.m., Thursday - 054 - 8:00 a.m., Saturday - 040 - 5:00 p.m., Friday - 017 - 3:05 p.m., Friday - 041 - 9:55 a.m., Wednesday - 056 - 9:55 a.m., Saturday - 074 - 5:00 p.m., Thursday - 103 - 9:55 a.m., Thursday - 103 - 1:10 p.m., Thursday - 103 - 1:10 p.m., Saturday - 067 - 9:55 a.m., Saturday - 067 - 1:10 p.m., Saturday - 067 - 1:10 p.m., Friday - 094 - 3:05 p.m., Sunday - 053 - 3:55 p.m., Sunday - 053 - 3:55 p.m., Thursday - 088 - 9:55 a.m., Thursday - 088 - 9:55 a.m., Friday - 102 - 3:05 p.m., Wednesday - 092 - 9:55 a.m., Wednesday - 092 - 9:55 a.m., Thursday - 047 - 8:00 a.m., Thursday - 047 - 8:00 a.m., Thursday - 047 - 9:55 a.m., Thursday - 047 - 9:55 a.m., Wednesday - 082 - 12:40 p.m., Thursday - 049 - 5:00 p.m., Wednesday - 082 - 8:00 a.m., Wednesday - 082 - 8:00 a.m., Thursday - 088 - 5:00 p.m., Thursday - 055 - 3:05 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 2:35 p.m., Thursday - 039 - 9:55 a.m., Wednesday - 068 - 9:55 a.m., Saturday - 052 - 8:00 a.m., Thursday - 098 - 1:10 p.m., Friday - 035 - 8:00 a.m., Sunday - 050 - 8:00 a.m., Wednesday - 035 - 9:55 a.m., Sunday - 058 - 9:55 a.m., Sunday - 086 - 3:55 p.m., Sunday - 086 - 3:55 p.m., Friday - 101 - 5:00 p.m., Thursday - 022 - 9:55 a.m., Thursday - 022 - 1:10 p.m., Thursday - 022 - 1:10 p.m., Thursday - 012 - 8:00 a.m., Thursday - 094 - 5:00 p.m., Thursday - 086 - 5:00 p.m., Friday - 048 - 3:05 p.m., Wednesday - 093 - 12:40 p.m., Saturday - 086 - 3:05 p.m., Saturday - 048 - 8:00 a.m., Sunday - 024 - 3:55 p.m., Sunday - 064 - 3:55 p.m., Thursday - 012 - 3:05 p.m., Wednesday - 094 - 9:55 a.m., Wednesday - 089 - 2:35 p.m., Friday - 100 - 8:00 a.m., Friday - 100 - 8:00 a.m., Thursday - 024 - 9:55 a.m., Thursday - 024 - 9:55 a.m., Thursday - 024 - 9:55 a.m., Thursday - 024 - 9:55 a.m., Friday - 098 - 9:55 a.m., Saturday - 072 - 9:55 a.m., Saturday - 072 - 9:55 a.m., Friday - 035 - 9:55 a.m., Thursday - 061 - 1:10 p.m., Friday - 018 - 3:05 p.m., Sunday - 074 - 8:00 a.m., Sunday - 041 - 9:55 a.m., Saturday - 020 - 1:10 p.m., Friday - 022 - 9:55 a.m., Friday - 066 - 8:00 a.m., Friday - 066 - 8:00 a.m., Wednesday - 073 - 9:55 a.m., Saturday - 063 - 1:10 p.m., Saturday - 063 - 1:10 p.m., Saturday - 025 - 8:00 a.m., Thursday - 074 - 8:00 a.m., Sunday - 091 - 9:55 a.m., Sunday - 091 - 8:00 a.m., Wednesday - 034 - 4:30 p.m., Wednesday - 034 - 4:30 p.m., Friday - 047 - 9:55 a.m., Saturday - 027 - 9:55 a.m., Saturday - 019 - 1:10 p.m., Saturday - 019 - 1:10 p.m., Thursday - 050 - 5:00 p.m., Friday - 066 - 3:05 p.m., Friday - 066 - 3:05 p.m., Friday - 063 - 9:55 a.m., Friday - 025 - 5:00 p.m., Friday - 025 - 5:00 p.m., Friday - 025 - 5:00 p.m., Friday - 025 - 5:00 p.m., Friday - 025 - 5:00 p.m., Friday - 025 - 5:00 p.m., Wednesday - 053 - 12:40 p.m., Thursday - 017 - 1:10 p.m., Thursday - 023 - 5:00 p.m., Saturday - 099 - 5:00 p.m.,

Saturday - 020 - 5:00 p.m., Saturday - 020 - 5:00 p.m., Wednesday - 054 - 2:35 p.m., Friday - 022 - 5:00 p.m., Friday - 073 - 3:05 p.m., Thursday - 050 - 3:05 p.m., Thursday - 095 - 8:00 a.m., Saturday - 039 - 8:00 a.m., Friday - 064 - 5:00 p.m., Sunday - 094 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Sunday - 001 - 8:00 a.m., Wednesday - 035 - 8:00 a.m., Friday - 048 - 5:00 p.m., Sunday - 064 - 8:00 a.m., Thursday - 103 - 8:00 a.m., Thursday - 091 - 8:00 a.m., Thursday - 091 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Saturday - 094 - 1:10 p.m., Wednesday - 090 - 4:30 p.m., Friday - 039 - 3:05 p.m., Friday - 039 - 3:05

Friday - 034 - 9:55 a.m., Wednesday - 038 - 2:35 p.m., Wednesday - 038 - 2:35 p.m., Saturday - 060 - 8:00 a.m., Saturday - 060 - 8:00 a.m., Saturday - 074 - 8:00 a.m., Saturday - 074 - 8:00 a.m., Saturday - 082 - 3:05 p.m., Friday - 055 - 8:00 a.m., Friday - 055 - 8:00 a.m., Friday - 055 - 8:00 a.m., Saturday - 005 - 8:00 a.m., Wednesday - 001 - 12:40 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 055 - 2:35 p.m., Saturday - 055 - 9:55 a.m., Saturday - 055 - 9:55 a.m., Saturday - 055 - 9:55 a.m., Friday - 055 - 9:55 a.m., Friday - 055 - 9:55 a.m., Friday - 055 - 9:55 a.m., Friday - 055 - 3:05 p.m., Friday - 055 - 3:05 p.m., Friday - 055 - 3:05 p.m., Friday - 027 - 9:55 a.m., Sunday - 025 - 9:55 a.m., Sunday - 016 - 2:00 p.m., Friday - 103 - 3:05 p.m., Friday - 103 - 3:05 p.m., Friday - 103 - 3:05 p.m., Friday - 064 - 1:10 p.m., Thursday - 048 - 3:05 p.m., Thursday - 056 - 3:05 p.m., Thursday - 056 - 3:05 p.m., Thursday - 056 - 3:05 p.m., Thursday - 056 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Friday - 091 - 8:00 a.m., Thursday - 031 - 8:00 a.m., Saturday - 063 - 8:00 a.m., Saturday - 063 - 8:00 a.m., Saturday - 063 - 8:00 a.m., Saturday - 063 - 8:00 a.m., Saturday - 063 - 8:00 a.m., Friday - 022 - 1:10 p.m., Thursday - 060 - 9:55 a.m., Thursday - 060 - 9:55 a.m., Thursday - 060 - 9:55 a.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Thursday - 060 - 1:10 p.m., Thursday - 060 - 1:10 p.m., Thursday - 060 - 1:10 p.m., Thursday - 060 - 1:10 p.m., Friday - 016 - 3:05 p.m., Friday - 031 - 1:10 p.m., Thursday - 099 - 9:55 a.m., Wednesday - 091 - 9:55 a.m., Friday - 048 - 9:55 a.m., Friday - 088 -

Friday - 054 - 9:55 a.m., Sunday - 086 - 3:55 p.m., Thursday - 064 - 3:05 p.m.,

Thursday - 018 - 1:10 p.m., Saturday - 007 - 1:10 p.m., Sunday - 007 - 1:10 p.m., Saturday - 007 - 1:10 p.m., Wednesday - 007 - 2:35 p.m., Wednesday - 070 - 8:00 a.m., Wednesday - 070 - 8:00 a.m., Wednesday - 070 - 8:00 a.m., Friday - 008 - 9:55 a.m., Friday - 008 - 9:55 a.m., Saturday - 074 - 8:00 a.m., Saturday - 074 - 8:00 a.m., Friday - 007 - 3:05 p.m., Friday - 007 - 3:05 p.m., Friday - 091 - 5:00 p.m., Thursday - 087 - 9:55 a.m., Wednesday - 088 - 2:35 p.m., Wednesday - 088 - 2:35 p.m., Wednesday - 088 - 2:35 p.m., Friday - 097 - 8:00 a.m., Friday - 095 - 8:00 a.m., Wednesday - 067 - 9:55 a.m., Saturday - 061 - 8:00 a.m., Saturday - 061 - 8:00 a.m., Saturday - 061 - 8:00 a.m., Sunday - 080 - 2:00 p.m., Thursday - 088 - 8:00 a.m., Thursday - 088 - 8:00 a.m., Thursday - 088 - 8:00 a.m., Wednesday - 036 - 9:55 a.m., Wednesday - 037 - 9:55 a.m., Wednesday - 037 - 9:55 a.m., Friday - 100 - 9:55 a.m., Friday - 026 - 1:10 p.m., Friday - 012 - 1:10 p.m., Friday - 064 - 1:10 p.m., Friday - 100 - 1:10 p.m., Friday - 100 - 1:10 p.m., Thursday - 089 - 3:05 p.m., Thursday - 089 - 3:05 p.m., Thursday - 089 - 3:05 p.m., Thursday - 089 - 3:05 p.m., Friday - 025 - 3:05 p.m., Friday - 007 - 9:55 a.m., Friday - 007 - 9:55 a.m., Friday - 007 - 9:55 a.m., Friday - 007 - 9:55 a.m., Thursday - 016 - 1:10 p.m., Thursday - 016 - 1:10 p.m., Thursday - 016 - 1:10 p.m., Sunday - 090 - 8:00 a.m., Sunday - 090 - 8:00 a.m., Saturday - 094 - 9:55 a.m., Wednesday - 049 - 8:00 a.m., Wednesday - 094 - 12:40 p.m., Wednesday - 094 - 12:40 p.m., Wednesday - 094 - 12:40 p.m., Friday - 035 - 3:05 p.m., Friday - 035 - 3:05 p.m., Friday - 035 - 3:05 p.m., Sunday - 047 - 3:55 p.m., Sunday - 047 - 3:55 p.m., Sunday - 047 - 3:55 p.m., Sunday - 047 - 3:55 p.m., Saturday - 102 - 5:00 p.m., Friday - 034 - 1:10 p.m., Thursday - 005 - 1:10 p.m., Wednesday - 007 - 4:30 p.m., Wednesday - 007 - 4:30 p.m., Saturday - 061 - 9:55 a.m., Saturday - 061 - 9:55 a.m., Saturday - 061 - 9:55 a.m., Wednesday - 081 - 4:30 p.m., Thursday - 099 - 1:10 p.m., Friday - 017 - 5:00 p.m., Wednesday - 086 - 12:40 p.m., Saturday - 040 - 3:05 p.m., Thursday - 004 - 1:10 p.m., Thursday - 088 - 9:55 a.m., Thursday - 088 - 9:55 a.m., Saturday - 084 - 1:10 p.m., Saturday - 084 - 1:10 p.m., Saturday - 084 - 1:10 p.m., Friday - 002 - 8:00 a.m., Friday - 002 - 8:00 a.m., Friday - 002 - 8:00 a.m., Thursday - 102 - 8:00 a.m., Friday - 099 - 3:05 p.m., Friday - 099 - 3:05 p.m., Thursday - 026 - 5:00 p.m., Thursday - 026 - 5:00 p.m., Thursday - 012 - 8:00 a.m., Sunday - 084 - 2:00 p.m., Friday - 048 - 3:05 p.m., Friday - 100 - 5:00 p.m., Wednesday - 086 - 4:30 p.m., Saturday - 087 - 8:00 a.m., Friday - 023 - 5:00 p.m., Friday - 101 - 9:55 a.m., Friday - 101 - 9:55 a.m., Friday - 003 - 8:00 a.m., Saturday - 001 - 8:00 a.m., Saturday - 001 - 8:00 a.m., Friday - 003 - 9:55 a.m., Friday - 003 - 9:55 a.m., Friday - 003 - 9:55 a.m., Friday - 003 - 1:10 p.m., Friday - 022 - 9:55 a.m., Friday - 003 - 3:05 p.m., Friday - 003 - 3:05 p.m., Saturday - 063 - 1:10 p.m., Saturday - 027 - 5:00 p.m., Saturday - 007 - 3:05 p.m., Saturday - 007 - 3:05 p.m., Saturday - 007 - 5:00 p.m., Saturday - 007 - 5:00 p.m., Saturday - 007 - 5:00 p.m., Friday - 066 - 3:05 p.m., Thursday - 082 - 9:55 a.m., Friday - 097 - 9:55 a.m., Sunday - 092 - 8:00 a.m., Thursday - 017 - 5:00 p.m., Thursday - 088 - 1:10 p.m., Thursday - 088 - 1:10 p.m., Saturday - 099 - 9:55 a.m., Saturday - 041 - 9:55 a.m., Friday - 024 - 1:10 p.m., Sunday - 026 - 9:55 a.m., Friday - 093 - 8:00 a.m., Saturday - 001 - 9:55 a.m., Saturday - 001 - 9:55 a.m., Saturday - 001 - 9:55 a.m., Thursday - 089 - 1:10 p.m., Thursday - 089 - 1:10 p.m., Friday - 089 - 9:55 a.m., Thursday - 089 - 5:00 p.m., Thursday - 089 - 5:00 p.m., Thursday - 089 - 5:00 p.m., Thursday - 089 - 5:00 p.m., Friday - 089 - 3:05 p.m., Thursday - 020 - 9:55 a.m., Saturday - 082 - 1:10 p.m., Saturday - 082 - 1:10 p.m., Sunday - 086 - 9:55 a.m., Wednesday - 056 - 4:30 p.m., Friday - 082 - 8:00 a.m., Friday - 082 - 8:00 a.m., Saturday - 087 - 5:00 p.m., Thursday - 027 - 8:00 a.m., Thursday - 033.5 - 5:00 p.m., Thursday - 033.5 - 5:00 p.m., Wednesday - 087 - 9:55 a.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.5 - 8:00 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Saturday - 043.3 - 8:00 a.m., Friday - 043.4 - 1:10 p.m., Saturday - 043.3

Saturday - 065 - 8:00 a.m., Wednesday - 073 - 2:35 p.m., Wednesday - 073 - 2:35 p.m.,
Wednesday - 073 - 2:35 p.m., Friday - 025 - 9:55 a.m., Thursday - 094 - 8:00 a.m.,
Thursday - 017 - 8:00 a.m., Thursday - 048 - 3:05 p.m., Thursday - 094 - 9:55 a.m.,
Saturday - 057 - 1:10 p.m., Thursday - 072 - 9:55 a.m., Friday - 061 - 9:55 a.m., Thursday
- 066 - 8:00 a.m., Thursday - 066 - 8:00 a.m., Thursday - 035 - 1:10 p.m., Friday - 052 -
8:00 a.m., Thursday - 060 - 8:00 a.m., Friday - 052 - 9:55 a.m., Friday - 052 - 1:10 p.m.,
Friday - 054 - 3:05 p.m., Friday - 054 - 3:05 p.m., Sunday - 062 - 9:55 a.m., Wednesday
- 056 - 9:55 a.m., Friday - 050 - 9:55 a.m., Saturday - 052 - 3:05 p.m., Saturday - 052 -
3:05 p.m., Saturday - 052 - 8:00 a.m., Saturday - 052 - 9:55 a.m., Thursday - 066 - 1:10
p.m., Sunday - 050 - 8:00 a.m., Saturday - 065 - 9:55 a.m., Thursday - 094 - 1:10 p.m.,
Thursday - 094 - 1:10 p.m., Wednesday - 073 - 9:55 a.m., Saturday - 072 - 3:05 p.m.,
Thursday - 017 - 1:10 p.m., Wednesday - 072 - 12:40 p.m., Thursday - 072 - 8:00 a.m.,
Saturday - 065 - 3:05 p.m., Friday - 026 - 9:55 a.m., Thursday - 062 - 8:00 a.m., Thursday
- 062 - 9:55 a.m., Thursday - 063 - 1:10 p.m., Friday - 062 - 1:10 p.m., Saturday - 058 -
1:10 p.m., Saturday - 049 - 9:55 a.m., Saturday - 049 - 3:05 p.m., Saturday - 049 - 3:05
p.m., Wednesday - 049 - 2:35 p.m., Saturday - 058 - 8:00 a.m., Saturday - 049 - 1:10 p.m.,
Friday - 049 - 1:10 p.m., Friday - 058 - 9:55 a.m., Friday - 058 - 8:00 a.m., Friday - 065
- 8:00 a.m., Saturday - 058 - 9:55 a.m., Saturday - 080 - 3:05 p.m., Friday - 033.5 - 5:00
p.m., Friday - 033.5 - 5:00 p.m., Thursday - 033.5 - 8:00 a.m., Thursday - 033.5 - 8:00
a.m., Thursday - 033.5 - 8:00 a.m., Wednesday - 033.5 - 4:30 p.m., Saturday - 054 - 8:00
a.m., Friday - 043.2 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m.,
Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday
- 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1
- 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05
p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m.,
Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday -
043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Saturday - 043.5
- 8:00 a.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10
p.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m.,
Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m.

TOPICAL INDEX

Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m.,
Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday -
043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 -
8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.4 - 8:00
a.m., Thursday - 043.4 - 9:55 a.m., Friday - 043.3 - 3:05 p.m., Thursday - 043.3 - 1:10 p.m.

Planning Geography

Wednesday - 092 - 2:35 p.m., Thursday - 102 - 3:05 p.m., Friday - 004 - 9:55 a.m., Friday - 081 - 1:10 p.m., Saturday - 091 - 8:00 a.m., Saturday - 091 - 8:00 a.m., Wednesday - 090 - 12:40 p.m., Thursday - 095 - 8:00 a.m., Friday - 018 - 1:10 p.m., Saturday - 093 - 1:10 p.m., Saturday - 097 - 5:00 p.m., Friday - 028 - 3:05 p.m., Thursday - 101 - 8:00 a.m., Saturday - 001 - 1:10 p.m., Sunday - 005 - 9:55 a.m., Saturday - 023 - 9:55 a.m., Thursday - 063 - 8:00 a.m., Friday - 063 - 8:00 a.m., Saturday - 038 - 9:55 a.m., Saturday - 050 - 9:55 a.m., Friday - 086 - 3:05 p.m., Saturday - 003 - 8:00 a.m., Thursday - 019 - 9:55 a.m., Thursday - 073 - 9:55 a.m., Thursday - 073 - 1:10 p.m., Saturday - 093 - 3:05 p.m., Wednesday - 083 - 8:00 a.m., Saturday - 095 - 3:05 p.m., Thursday - 063 - 9:55 a.m., Thursday - 063 - 9:55 a.m., Thursday - 063 - 9:55 a.m., Saturday - 038 - 3:05 p.m., Saturday - 032 - 8:00 a.m., Wednesday - 035 - 12:40 p.m., Saturday - 039 - 9:55 a.m., Thursday - 091 - 1:10 p.m., Sunday - 084 - 2:00 p.m., Thursday - 095 - 9:55 a.m., Thursday - 091 - 3:05 p.m., Sunday - 025 - 2:00 p.m., Friday - 018 - 3:05 p.m., Thursday - 082 - 8:00 a.m., Saturday - 063 - 1:10 p.m., Saturday - 100 - 9:55 a.m., Sunday - 061 - 9:55 a.m., Saturday - 099 - 9:55 a.m., Saturday - 060 - 9:55 a.m., Sunday - 093 - 9:55 a.m., Thursday - 028 - 8:00 a.m., Saturday - 005 - 3:05 p.m., Saturday - 088 - 8:00 a.m., Sunday - 047 - 8:00 a.m., Saturday - 028 - 1:10 p.m., Friday - 083 - 9:55 a.m., Friday - 049 - 8:00 a.m., Friday - 049 - 8:00 a.m., Sunday - 054 - 2:00 p.m., Friday - 083 - 1:10 p.m., Saturday - 083 - 1:10 p.m., Saturday - 083 - 1:10 p.m., Saturday - 058 - 1:10 p.m., Saturday - 058 - 3:05 p.m., Friday - 033.5 - 8:00 a.m., Saturday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Wednesday - 033.5 - 2:35 p.m., Wednesday - 091 - 4:30 p.m., Friday - 043.1 - 8:00 a.m., Friday - 043.3 - 1:10 p.m., Friday - 043.5 - 8:00 a.m., Saturday - 043.1 - 8:00 a.m., Saturday - 043.5 - 8:00 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Saturday - 043.4 - 9:55 a.m., Saturday - 043.2 - 8:00 a.m., Saturday - 043.2 - 8:00 a.m., Saturday - 043.2 - 8:00 a.m., Thursday - 043.1 - 1:10 p.m.

Polar Regions

Friday - 103 - 9:55 a.m., Friday - 103 - 9:55 a.m., Thursday - 101 - 8:00 a.m., Wednesday - 012 - 2:35 p.m., Thursday - 072 - 9:55 a.m., Thursday - 072 - 9:55 a.m., Thursday - 072 - 9:55 a.m., Saturday - 084 - 9:55 a.m., Friday - 052 - 8:00 a.m., Saturday - 057 - 9:55 a.m., Thursday - 025 - 9:55 a.m., Friday - 103 - 1:10 p.m., Friday - 103 - 1:10 p.m., Thursday - 081 - 1:10 p.m., Saturday - 019 - 8:00 a.m., Friday - 098 - 9:55 a.m., Thursday - 058 - 3:05 p.m., Friday - 057 - 1:10 p.m., Friday - 057 - 1:10 p.m., Friday - 057 - 1:10 p.m., Friday - 102 - 9:55 a.m., Wednesday - 033 - 2:35 p.m., Thursday - 062 - 1:10 p.m., Saturday - 087 - 1:10 p.m., Saturday - 049 - 3:05 p.m., Thursday - 033.5 - 1:10 p.m., Thursday - 033.5 - 1:10 p.m., Thursday - 033.5 - 1:10 p.m., Wednesday - 033.5 - 4:30 p.m., Wednesday - 033.5 - 4:30 p.m., Thursday - 033.5 - 3:05 p.m., Friday - 043.2 - 9:55 a.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m.

Political Geography

Friday - 023 - 9:55 a.m., Sunday - 048 - 8:00 a.m., Sunday - 048 - 8:00 a.m., Friday - 061 - 1:10 p.m., Friday - 061 - 1:10 p.m., Friday - 061 - 1:10 p.m., Wednesday - 092 - 2:35 p.m., Thursday - 073 - 8:00 a.m., Thursday - 073 - 8:00 a.m., Thursday - 073 - 8:00 a.m., Thursday - 102 - 9:55 a.m., Thursday - 102 - 9:55 a.m., Thursday - 102 - 9:55 a.m., Thursday - 102 - 9:55 a.m., Thursday - 102 - 9:55 a.m., Thursday - 102 - 9:55 a.m., Thursday - 102 - 3:05 p.m., Thursday - 102 - 3:05 p.m., Friday - 034 - 9:55 a.m., Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 12:40 p.m., Wednesday - 038 - 8:00 a.m., Wednesday - 038 - 8:00 a.m., Wednesday - 038 - 8:00 a.m., Thursday - 099 - 3:05 p.m., Thursday - 099 - 3:05 p.m., Thursday - 099 - 3:05 p.m., Thursday - 099 - 3:05 p.m., Wednesday - 038 - 2:35 p.m., Wednesday - 038 - 2:35 p.m., Saturday - 006 - 1:10 p.m., Friday - 019 - 3:05 p.m., Saturday - 007 - 1:10 p.m., Saturday - 007 - 1:10 p.m., Saturday - 007 - 1:10 p.m., Wednesday - 007 - 2:35 p.m., Wednesday - 007 - 2:35 p.m., Wednesday - 007 - 2:35 p.m., Friday - 037 - 5:00 p.m., Saturday - 084 - 8:00 a.m., Saturday - 084 - 8:00 a.m., Wednesday - 070 - 8:00 a.m., Friday - 008 - 9:55 a.m., Friday - 008 - 9:55 a.m., Friday - 008 - 9:55 a.m., Saturday - 040 - 1:10 p.m., Saturday - 040 - 1:10 p.m., Saturday - 040 - 1:10 p.m., Friday - 081 - 1:10 p.m., Friday - 010 - 8:00 a.m., Friday - 004 - 1:10 p.m., Friday - 004 - 1:10 p.m., Friday - 004 - 1:10 p.m., Friday - 004 - 1:10 p.m., Friday - 080 - 8:00 a.m., Friday - 080 - 8:00 a.m., Friday - 007 - 3:05 p.m., Thursday - 037 - 8:00 a.m., Saturday - 036 - 1:10 p.m., Saturday - 036 - 1:10 p.m., Friday - 010 - 5:00 p.m., Friday - 091 - 5:00 p.m., Friday - 092 - 9:55 a.m., Friday - 092 - 9:55 a.m., Friday - 092 - 9:55 a.m., Friday - 092 - 9:55 a.m., Wednesday - 088 - 2:35 p.m., Saturday - 004 - 9:55 a.m., Wednesday - 092 - 12:40 p.m., Wednesday - 092 - 12:40 p.m., Thursday - 033 - 1:10

p.m., Thursday - 033 - 9:55 a.m., Friday - 097 - 8:00 a.m., Saturday - 038 - 8:00 a.m., Saturday - 055 - 9:55 a.m., Wednesday - 086 - 2:35 p.m., Saturday - 061 - 8:00 a.m., Saturday - 061 - 8:00 a.m., Sunday - 061 - 8:00 a.m., Friday - 061 - 3:05 p.m., Friday - 061 - 3:05 p.m., Friday - 061 - 3:05 p.m., Thursday - 009 - 9:55 a.m., Friday - 018 - 1:10 p.m., Friday - 086 - 1:10 p.m., Wednesday - 038 - 9:55 a.m., Saturday - 081 - 8:00 a.m., Saturday - 102 - 1:10 p.m., Saturday - 102 - 1:10 p.m., Saturday - 102 - 1:10 p.m., Sunday - 055 - 9:55 a.m., Wednesday - 036 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Saturday - 008 - 3:05 p.m., Saturday - 008 - 3:05 p.m., Saturday - 008 - 3:05 p.m., Saturday - 008 - 3:05 p.m., Saturday - 008 - 3:05 p.m., Saturday - 008 - 3:05 p.m., Sunday - 016 - 2:00 p.m., Wednesday - 037 - 9:55 a.m., Wednesday - 037 - 9:55 a.m., Wednesday - 050 - 2:35 p.m., Friday - 012 - 1:10 p.m., Saturday - 087 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Thursday - 086 - 9:55 a.m., Saturday - 074 - 1:10 p.m., Saturday - 074 - 1:10 p.m., Wednesday - 012 - 2:35 p.m., Sunday - 036 - 9:55 a.m., Sunday - 036 - 9:55 a.m., Saturday - 036 - 3:05 p.m., Saturday - 036 - 3:05 p.m., Thursday - 024 - 8:00 a.m., Thursday - 089 - 3:05 p.m., Sunday - 064 - 8:00 a.m., Friday - 008 - 8:00 a.m., Friday - 008 - 8:00 a.m., Friday - 008 - 8:00 a.m., Friday - 008 - 8:00 a.m., Thursday - 057 - 1:10 p.m., Thursday - 057 - 1:10 p.m., Thursday - 019 - 8:00 a.m., Thursday - 019 - 8:00 a.m., Thursday - 033 - 3:05 p.m., Thursday - 033 - 3:05 p.m., Thursday - 033 - 3:05 p.m., Friday - 007 - 9:55 a.m., Friday - 007 - 9:55 a.m., Friday - 007 - 9:55 a.m., Friday - 007 - 9:55 a.m., Thursday - 038 - 8:00 a.m., Sunday - 090 - 8:00 a.m., Sunday - 090 - 8:00 a.m., Friday - 005 - 8:00 a.m., Friday - 005 - 8:00 a.m., Friday - 035 - 1:10 p.m., Friday - 035 - 1:10 p.m., Friday - 035 - 1:10 p.m., Wednesday - 051 - 12:40 p.m., Wednesday - 081 - 8:00 a.m., Saturday - 097 - 8:00 a.m., Saturday - 097 - 9:55 a.m., Saturday - 097 - 9:55 a.m., Wednesday - 057 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Friday - 035 - 3:05 p.m., Friday - 035 - 3:05 p.m., Friday - 035 - 3:05 p.m., Friday - 035 - 3:05 p.m., Thursday - 025 - 8:00 a.m., Wednesday - 012 - 9:55 a.m., Thursday - 034 - 1:10 p.m., Sunday - 047 - 3:55 p.m., Wednesday - 087 - 2:35 p.m., Wednesday - 087 - 2:35 p.m., Friday - 086 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 098 - 5:00 p.m., Saturday - 037 - 4:30 p.m., Wednesday - 037 - 4:30 p.m., Wednesday - 037 - 4:30 p.m., Wednesday - 037 - 4:30 p.m., Wednesday - 037 - 4:30 p.m., Wednesday - 031 - 12:40 p.m., Wednesday - 031 - 12:40 p.m., Thursday - 097 - 8:00 a.m., Thursday - 092 - 3:05 p.m., Wednesday - 031 - 9:55 a.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 3:05 p.m., Saturday - 102 - 5:00 p.m., Saturday - 102 - 5:00 p.m., Saturday - 054 - 3:05 p.m., Saturday - 061 - 5:00 p.m., Thursday - 005 - 1:10 p.m., Thursday - 005 - 1:10 p.m., Thursday - 005 - 1:10 p.m., Saturday - 073 - 5:00 p.m., Saturday - 073 - 5:00 p.m., Saturday - 073 - 5:00 p.m., Sunday - 020 - 8:00 a.m., Wednesday - 007 - 4:30 p.m., Wednesday - 007 - 4:30 p.m., Wednesday - 007 - 4:30 p.m., Saturday - 061 - 9:55 a.m., Thursday - 099 - 8:00 a.m., Sunday - 041 - 8:00 a.m., Thursday - 102 - 5:00 p.m., Friday - 023 - 8:00 a.m., Wednesday - 081 - 2:35 p.m., Thursday - 073 - 3:05 p.m., Thursday - 073 - 3:05 p.m., Sunday - 019 - 3:55 p.m., Sunday - 019 - 3:55 p.m., Thursday - 004 - 8:00 a.m., Thursday - 004 - 8:00 a.m., Thursday - 004 - 8:00 a.m., Thursday - 004 - 8:00 a.m., Saturday - 093 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Friday - 062 - 3:05 p.m., Thursday - 099 - 9:55 a.m., Wednesday - 031 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Friday - 080 - 9:55 a.m., Sunday - 051 - 8:00 a.m., Sunday - 051 - 8:00 a.m., Friday - 006 - 9:55 a.m., Friday - 006 - 9:55 a.m., Sunday - 027 - 3:55 p.m., Saturday - 023 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Saturday - 012 - 1:10 p.m., Thursday - 049 - 3:05 p.m., Sunday - 090 - 9:55 a.m., Wednesday - 084 - 9:55 a.m., Wednesday - 084 - 9:55 a.m., Friday - 017 - 3:05 p.m., Friday - 017 - 3:05 p.m., Friday - 017 - 3:05 p.m., Friday - 017 - 3:05 p.m., Friday - 017 - 5:00 p.m., Friday - 017 - 5:00 p.m., Sunday - 016 - 3:55 p.m., Sunday - 016 - 3:55 p.m., Friday - 038 - 9:55 a.m., Wednesday - 086 - 12:40 p.m., Friday - 103 - 1:10 p.m., Thursday - 084 - 1:10 p.m., Thursday - 086 - 3:05 p.m., Saturday - 064 - 1:10 p.m., Saturday - 064 - 1:10 p.m., Saturday - 064 - 1:10 p.m., Saturday - 038 - 3:05 p.m., Saturday - 047 - 5:00 p.m., Friday - 094 - 3:05 p.m., Friday - 094 - 3:05 p.m., Sunday - 053 - 3:55 p.m., Friday - 005 - 1:10 p.m., Saturday - 040 - 3:05 p.m., Saturday - 040 - 3:05 p.m., Saturday - 004 - 9:55 a.m., Friday - 102 - 3:05 p.m., Wednesday - 092 - 9:55 a.m., Wednesday - 041 - 4:30 p.m., Wednesday - 082 - 12:40 p.m., Sunday - 052 - 2:00 p.m., Thursday - 100 - 3:05 p.m., Thursday - 049 - 5:00 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Thursday - 088 - 5:00 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 2:35 p.m., Friday - 027 - 3:05 p.m., Saturday - 064 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Saturday - 064 - 8:00 a.m., Saturday - 032 - 8:00 a.m., Saturday - 032 - 8:00 a.m., Saturday - 055 - 5:00 p.m., Sunday - 048 - 3:55 p.m., Sunday - 048 - 3:55 p.m., Saturday - 084 - 1:10 p.m., Saturday - 084 - 1:10 p.m., Friday - 035 - 8:00 a.m., Thursday - 033 - 5:00 p.m., Sunday - 020 - 3:55 p.m., Sunday - 020 - 3:55 p.m., Sunday - 020 - 3:55 p.m., Thursday - 102 - 8:00 a.m., Thursday - 102 - 8:00 a.m., Friday - 099 - 3:05 p.m., Friday - 087 - 3:05 p.m., Saturday - 006 - 3:05 p.m., Saturday - 006 - 3:05 p.m., Saturday - 089 - 9:55 a.m., Thursday - 026 - 5:00 p.m., Thursday - 026 - 5:00 p.m., Thursday - 022 - 1:10 p.m., Thursday - 012 - 9:55 a.m., Thursday - 012 - 9:55 a.m., Thursday - 094 - 5:00 p.m., Sunday - 084 - 2:00 p.m., Wednesday - 037 - 2:35 p.m., Wednesday - 057 - 2:35 p.m., Wednesday - 057 - 2:35 p.m., Wednesday - 057 - 4:30 p.m., Wednesday - 057 - 4:30 p.m., Wednesday - 057 - 4:30 p.m., Wednesday - 057 - 4:30 p.m., Saturday - 092 - 3:05 p.m.

TOPICAL INDEX

Saturday - 092 - 5:00 p.m., Saturday - 092 - 5:00 p.m., Sunday - 006 - 8:00 a.m., Sunday - 006 - 8:00 a.m., Friday - 050 - 1:10 p.m., Saturday - 019 - 8:00 a.m., Wednesday - 057 - 9:55 a.m., Saturday - 081 - 1:10 p.m., Saturday - 081 - 3:05 p.m., Saturday - 039 - 5:00 p.m., Thursday - 018 - 9:55 a.m., Friday - 037 - 3:05 p.m., Friday - 037 - 3:05 p.m., Sunday - 006 - 9:55 a.m., Thursday - 012 - 1:10 p.m., Wednesday - 083 - 4:30 p.m., Wednesday - 083 - 4:30 p.m., Saturday - 012 - 3:05 p.m., Friday - 035 - 9:55 a.m., Thursday - 073 - 5:00 p.m., Thursday - 073 - 5:00 p.m., Sunday - 074 - 8:00 a.m., Sunday - 074 - 8:00 a.m., Friday - 012 - 3:05 p.m., Wednesday - 034 - 12:40 p.m., Wednesday - 034 - 12:40 p.m., Friday - 003 - 8:00 a.m., Friday - 003 - 8:00 a.m., Thursday - 082 - 8:00 a.m., Thursday - 082 - 8:00 a.m., Thursday - 082 - 8:00 a.m., Friday - 008 - 1:10 p.m., Friday - 008 - 1:10 p.m., Saturday - 001 - 8:00 a.m., Saturday - 001 - 8:00 a.m., Saturday - 001 - 8:00 a.m., Friday - 008 - 3:05 p.m., Friday - 008 - 3:05 p.m., Friday - 008 - 5:00 p.m., Friday - 003 - 9:55 a.m., Friday - 003 - 1:10 p.m., Friday - 026 - 5:00 p.m., Friday - 026 - 5:00 p.m., Friday - 003 - 3:05 p.m., Wednesday - 034 - 2:35 p.m., Wednesday - 034 - 4:30 p.m., Saturday - 027 - 9:55 a.m., Saturday - 027 - 5:00 p.m., Saturday - 027 - 3:05 p.m., Saturday - 007 - 3:05 p.m., Saturday - 007 - 3:05 p.m., Saturday - 007 - 3:05 p.m., Saturday - 007 - 3:05 p.m., Saturday - 027 - 1:10 p.m., Saturday - 027 - 1:10 p.m., Saturday - 027 - 1:10 p.m., Saturday - 007 - 5:00 p.m., Saturday - 007 - 5:00 p.m., Saturday - 100 - 8:00 a.m., Saturday - 100 - 8:00 a.m., Saturday - 019 - 1:10 p.m., Thursday - 082 - 9:55 a.m., Thursday - 082 - 9:55 a.m., Friday - 097 - 1:10 p.m., Friday - 097 - 1:10 p.m., Friday - 097 - 1:10 p.m., Saturday - 066 - 3:05 p.m., Saturday - 101 - 3:05 p.m., Thursday - 026 - 3:05 p.m., Wednesday - 092 - 4:30 p.m., Wednesday - 092 - 4:30 p.m., Wednesday - 092 - 4:30 p.m., Wednesday - 092 - 4:30 p.m., Saturday - 026 - 5:00 p.m., Friday - 032 - 5:00 p.m., Friday - 032 - 5:00 p.m., Friday - 032 - 5:00 p.m., Friday - 024 - 5:00 p.m., Saturday - 064 - 9:55 a.m., Saturday - 064 - 9:55 a.m., Saturday - 064 - 9:55 a.m., Saturday - 041 - 9:55 a.m., Friday - 017 - 8:00 a.m., Friday - 017 - 8:00 a.m., Friday - 017 - 8:00 a.m., Friday - 024 - 1:10 p.m., Friday - 024 - 1:10 p.m., Friday - 024 - 3:05 p.m., Sunday - 041 - 2:00 p.m., Saturday - 008 - 8:00 a.m., Saturday - 008 - 8:00 a.m., Saturday - 008 - 8:00 a.m., Saturday - 008 - 9:55 a.m., Saturday - 008 - 9:55 a.m., Saturday - 008 - 9:55 a.m., Sunday - 093 - 9:55 a.m., Sunday - 064 - 9:55 a.m., Sunday - 064 - 9:55 a.m., Saturday - 089 - 1:10 p.m., Sunday - 028 - 9:55 a.m., Sunday - 028 - 9:55 a.m., Sunday - 028 - 9:55 a.m., Friday - 026 - 9:55 a.m., Friday - 093 - 8:00 a.m., Friday - 093 - 8:00 a.m., Friday - 093 - 8:00 a.m., Friday - 093 - 9:55 a.m., Friday - 093 - 9:55 a.m., Friday - 093 - 9:55 a.m., Friday - 034 - 5:00 p.m., Friday - 034 - 5:00 p.m., Wednesday - 093 - 4:30 p.m., Saturday - 001 - 9:55 a.m., Saturday - 001 - 9:55 a.m., Friday - 022 - 8:00 a.m., Friday - 022 - 8:00 a.m., Friday - 022 - 8:00 a.m., Friday - 022 - 8:00 a.m., Wednesday - 089 - 4:30 p.m., Friday - 089 - 9:55 a.m., Thursday - 089 - 5:00 p.m., Saturday - 103 - 9:55 a.m., Saturday - 103 - 3:05 p.m., Saturday - 103 - 3:05 p.m., Saturday - 103 - 3:05 p.m., Wednesday - 053 - 4:30 p.m., Sunday - 072 - 8:00 a.m., Saturday - 088 - 8:00 a.m., Saturday - 088 - 8:00 a.m., Saturday - 088 - 8:00 a.m., Sunday - 066 - 9:55 a.m., Sunday - 066 - 9:55 a.m., Thursday - 019 - 5:00 p.m., Friday - 019 - 8:00 a.m., Friday - 019 - 8:00 a.m., Saturday - 063 - 3:05 p.m., Saturday - 091 - 5:00 p.m., Saturday - 091 - 5:00 p.m., Friday - 064 - 8:00 a.m., Friday - 064 - 8:00 a.m., Thursday - 063 - 3:05 p.m., Thursday - 016 - 8:00 a.m., Friday - 028 - 5:00 p.m., Saturday - 063 - 5:00 p.m., Saturday - 063 - 5:00 p.m., Sunday - 054 - 3:55 p.m., Sunday - 054 - 3:55 p.m., Thursday - 024 - 1:10 p.m., Thursday - 024 - 1:10 p.m., Thursday - 001 - 8:00 a.m., Thursday - 057 - 9:55 a.m., Friday - 082 - 9:55 a.m., Friday - 082 - 1:10 p.m., Friday - 083 - 3:05 p.m., Friday - 083 - 3:05 p.m., Friday - 083 - 3:05 p.m., Sunday - 086 - 9:55 a.m., Sunday - 081 - 3:55 p.m., Sunday - 081 - 3:55 p.m., Sunday - 081 - 3:55 p.m., Sunday - 081 - 3:55 p.m., Friday - 083 - 1:10 p.m., Saturday - 083 - 1:10 p.m., Friday - 082 - 5:00 p.m., Friday - 082 - 5:00 p.m., Friday - 082 - 8:00 a.m., Saturday - 087 - 5:00 p.m., Saturday - 087 - 5:00 p.m., Saturday - 087 - 5:00 p.m., Saturday - 087 - 5:00 p.m., Thursday - 083 - 3:05 p.m., Saturday - 082 - 9:55 a.m., Saturday - 082 - 9:55 a.m., Saturday - 087 - 3:05 p.m., Thursday - 057 - 5:00 p.m., Friday - 058 - 9:55 a.m., Friday - 058 - 9:55 a.m., Wednesday - 036 - 2:35 p.m., Thursday - 033.5 - 5:00 p.m., Thursday - 033.5 - 5:00 p.m., Friday - 033.5 - 9:55 a.m., Thursday - 033.5 - 3:05 p.m., Wednesday - 033.5 - 2:35 p.m., Thursday - 043.5 - 1:10 p.m., Saturday - 043.1 - 8:00 a.m., Saturday - 043.1 - 8:00 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.1 - 9:55 a.m., Friday - 043.1 - 9:55 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Saturday - 043.7 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.4 - 8:00 a.m., Saturday - 043.4 - 8:00 a.m., Saturday - 043.4 - 8:00 a.m., Saturday - 043.4 - 8:00 a.m., Saturday - 043.4 - 8:00 a.m., Thursday - 043.3 - 9:55 a.m., Saturday - 043.2 - 8:00 a.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.2 - 1:10 p.m.

Population Geography

Thursday - 086 - 8:00 a.m., Wednesday - 038 - 12:40 p.m., Thursday - 064 - 9:55 a.m., Friday - 065 - 5:00 p.m., Friday - 065 - 5:00 p.m., Friday - 073 - 1:10 p.m., Saturday - 074 - 8:00 a.m., Friday - 073 - 3:05 p.m., Friday - 055 - 8:00 a.m., Friday - 004 - 1:10 p.m., Friday - 004 - 1:10 p.m., Friday - 004 - 1:10 p.m., Wednesday - 001 - 12:40 p.m., Saturday

- 055 - 9:55 a.m., Thursday - 088 - 8:00 a.m., Saturday - 008 - 3:05 p.m., Saturday - 008 - 3:05 p.m., Wednesday - 037 - 9:55 a.m., Friday - 100 - 9:55 a.m., Friday - 100 - 9:55 a.m., Thursday - 086 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Sunday - 005 - 9:55 a.m., Friday - 048 - 5:00 p.m., Thursday - 089 - 3:05 p.m., Thursday - 087 - 3:05 p.m., Thursday - 087 - 3:05 p.m., Thursday - 089 - 9:55 a.m., Thursday - 089 - 9:55 a.m., Thursday - 089 - 9:55 a.m., Sunday - 090 - 3:55 p.m., Sunday - 016 - 8:00 a.m., Sunday - 016 - 8:00 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 8:00 a.m., Saturday - 038 - 1:10 p.m., Thursday - 088 - 9:55 a.m., Thursday - 090 - 9:55 a.m., Friday - 027 - 3:05 p.m., Thursday - 087 - 5:00 p.m., Thursday - 087 - 5:00 p.m., Saturday - 084 - 1:10 p.m., Saturday - 084 - 1:10 p.m., Wednesday - 054 - 12:40 p.m., Wednesday - 066 - 2:35 p.m., Thursday - 047 - 5:00 p.m., Wednesday - 089 - 2:35 p.m., Wednesday - 089 - 2:35 p.m., Wednesday - 089 - 2:35 p.m., Thursday - 089 - 8:00 a.m., Friday - 022 - 9:55 a.m., Friday - 022 - 9:55 a.m., Wednesday - 032 - 8:00 a.m., Thursday - 017 - 5:00 p.m., Thursday - 088 - 1:10 p.m., Friday - 088 - 1:10 p.m., Thursday - 028 - 8:00 a.m., Sunday - 026 - 9:55 a.m., Thursday - 049 - 1:10 p.m., Wednesday - 089 - 4:30 p.m., Wednesday - 089 - 4:30 p.m., Wednesday - 089 - 4:30 p.m., Wednesday - 089 - 12:40 p.m., Wednesday - 089 - 12:40 p.m., Friday - 089 - 1:10 p.m., Friday - 089 - 1:10 p.m., Friday - 089 - 1:10 p.m., Thursday - 089 - 5:00 p.m., Friday - 089 - 3:05 p.m., Friday - 089 - 3:05 p.m., Friday - 089 - 3:05 p.m., Thursday - 021 - 8:00 a.m., Thursday - 092 - 8:00 a.m., Thursday - 020 - 9:55 a.m., Saturday - 028 - 9:55 a.m., Friday - 056 - 8:00 a.m., Friday - 083 - 3:05 p.m., Saturday - 056 - 5:00 p.m., Saturday - 056 - 5:00 p.m., Saturday - 056 - 5:00 p.m., Wednesday - 056 - 2:35 p.m., Friday - 056 - 3:05 p.m., Friday - 067 - 1:10 p.m., Thursday - 033.5 - 8:00 a.m., Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.2 - 9:55 a.m., Friday - 043.1 - 9:55 a.m., Friday - 043.4 - 1:10 p.m., Friday - 043.4 - 1:10 p.m., Thursday - 043.3 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.4 - 8:00 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Saturday - 043.2 - 8:00 a.m.

Qualitative Methods

Sunday - 048 - 8:00 a.m., Friday - 008 - 9:55 a.m., Friday - 008 - 9:55 a.m., Friday - 102 - 8:00 a.m., Wednesday - 086 - 2:35 p.m., Wednesday - 086 - 2:35 p.m., Thursday - 026 - 1:10 p.m., Thursday - 026 - 1:10 p.m., Thursday - 026 - 1:10 p.m., Wednesday - 087 - 12:40 p.m., Thursday - 074 - 3:05 p.m., Friday - 031 - 3:05 p.m., Wednesday - 092 - 8:00 a.m., Wednesday - 092 - 8:00 a.m., Thursday - 100 - 1:10 p.m., Thursday - 100 - 1:10 p.m., Saturday - 050 - 8:00 a.m., Saturday - 050 - 8:00 a.m., Thursday - 026 - 8:00 a.m., Sunday - 090 - 2:00 p.m., Sunday - 090 - 2:00 p.m., Sunday - 086 - 2:00 p.m., Saturday - 001 - 1:10 p.m., Saturday - 102 - 8:00 a.m., Saturday - 009 - 1:10 p.m., Sunday - 055 - 3:55 p.m., Sunday - 055 - 3:55 p.m., Wednesday - 086 - 8:00 a.m., Wednesday - 086 - 8:00 a.m., Wednesday - 086 - 8:00 a.m., Wednesday - 086 - 9:55 a.m., Saturday - 050 - 9:55 a.m., Wednesday - 082 - 2:35 p.m., Saturday - 054 - 3:05 p.m., Friday - 034 - 1:10 p.m., Wednesday - 081 - 12:40 p.m., Saturday - 061 - 9:55 a.m., Thursday - 028 - 5:00 p.m., Thursday - 028 - 5:00 p.m., Thursday - 028 - 5:00 p.m., Sunday - 090 - 3:55 p.m., Sunday - 090 - 3:55 p.m., Saturday - 083 - 5:00 p.m., Wednesday - 039 - 8:00 a.m., Sunday - 016 - 3:55 p.m., Thursday - 063 - 9:55 a.m., Wednesday - 086 - 12:40 p.m., Wednesday - 086 - 12:40 p.m., Wednesday - 086 - 12:40 p.m., Saturday - 047 - 5:00 p.m., Saturday - 047 - 5:00 p.m., Saturday - 089 - 8:00 a.m., Sunday - 048 - 2:00 p.m., Sunday - 048 - 3:55 p.m., Thursday - 033 - 5:00 p.m., Thursday - 097 - 9:55 a.m., Saturday - 081 - 3:05 p.m., Friday - 039 - 9:55 a.m., Wednesday - 083 - 4:30 p.m., Friday - 084 - 5:00 p.m., Friday - 084 - 5:00 p.m., Friday - 065 - 3:05 p.m., Friday - 035 - 9:55 a.m., Saturday - 087 - 8:00 a.m., Sunday - 074 - 8:00 a.m., Friday - 008 - 3:05 p.m., Friday - 008 - 3:05 p.m., Sunday - 016 - 9:55 a.m., Thursday - 023 - 3:05 p.m., Saturday - 099 - 3:05 p.m., Thursday - 026 - 3:05 p.m., Saturday - 008 - 9:55 a.m., Saturday - 008 - 9:55 a.m., Thursday - 087 - 8:00 a.m., Friday - 102 - 9:55 a.m., Friday - 102 - 9:55 a.m., Wednesday - 093 - 4:30 p.m., Thursday - 089 - 5:00 p.m., Friday - 025 - 1:10 p.m., Friday - 025 - 1:10 p.m., Sunday - 020 - 2:00 p.m., Thursday - 083 - 9:55 a.m., Wednesday - 049 - 2:35 p.m., Wednesday - 087 - 9:55 a.m., Sunday - 041 - 3:55 p.m., Saturday - 043.1 - 8:00 a.m., Saturday - 043.3 - 8:00 a.m., Friday - 043.1 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.3 - 1:10 p.m.

Qualitative Research

Thursday - 102 - 9:55 a.m., Wednesday - 034 - 9:55 a.m., Thursday - 023 - 8:00 a.m., Wednesday - 051 - 4:30 p.m., Thursday - 020 - 3:05 p.m., Wednesday - 041 - 2:35 p.m., Saturday - 004 - 9:55 a.m., Friday - 102 - 8:00 a.m., Sunday - 080 - 2:00 p.m., Sunday - 080 - 2:00 p.m., Thursday - 100 - 1:10 p.m., Friday - 056 - 9:55 a.m., Sunday - 094 - 9:55 a.m., Wednesday - 032 - 2:35 p.m., Sunday - 025 - 9:55 a.m., Thursday - 028 - 9:55 a.m., Sunday - 068 - 3:55 p.m., Sunday - 016 - 2:00 p.m., Thursday - 006 - 9:55 a.m., Saturday - 102 - 8:00 a.m., Friday - 094 - 1:10 p.m., Wednesday - 049 - 8:00 a.m., Wednesday - 094 - 12:40 p.m., Friday - 035 - 3:05 p.m., Friday - 064 - 9:55 a.m., Friday - 064 - 9:55 a.m., Sunday - 060 - 8:00 a.m., Thursday - 034 - 9:55 a.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 1:10 p.m., Saturday - 012 - 9:55 a.m., Wednesday - 086 - 9:55 a.m.,

Saturday - 020 - 5:00 p.m., Friday - 073 - 8:00 a.m., Friday - 073 - 8:00 a.m., Friday - 073 - 8:00 a.m., Friday - 073 - 9:55 a.m., Friday - 073 - 9:55 a.m., Friday - 073 - 9:55 a.m., Friday - 073 - 9:55 a.m., Friday - 073 - 9:55 a.m., Wednesday - 054 - 2:35 p.m., Friday - 022 - 5:00 p.m., Wednesday - 073 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Wednesday - 052 - 12:40 p.m., Wednesday - 052 - 12:40 p.m., Wednesday - 052 - 12:40 p.m., Wednesday - 052 - 12:40 p.m., Saturday - 060 - 1:10 p.m., Saturday - 060 - 1:10 p.m., Saturday - 073 - 8:00 a.m., Saturday - 073 - 8:00 a.m., Saturday - 073 - 8:00 a.m., Thursday - 035 - 5:00 p.m., Wednesday - 067 - 9:55 a.m., Wednesday - 090 - 8:00 a.m., Sunday - 062 - 8:00 a.m., Sunday - 062 - 8:00 a.m., Sunday - 062 - 8:00 a.m., Sunday - 062 - 8:00 a.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 1:10 p.m., Thursday - 067 - 3:05 p.m., Thursday - 067 - 3:05 p.m., Thursday - 067 - 3:05 p.m., Thursday - 067 - 3:05 p.m., Thursday - 067 - 3:05 p.m., Friday - 067 - 9:55 a.m., Friday - 067 - 9:55 a.m., Friday - 067 - 9:55 a.m., Thursday - 094 - 8:00 a.m., Wednesday - 049 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Thursday - 048 - 1:10 p.m., Saturday - 057 - 1:10 p.m., Saturday - 057 - 1:10 p.m., Wednesday - 067 - 12:40 p.m., Wednesday - 067 - 12:40 p.m., Thursday - 103 - 8:00 a.m., Wednesday - 049 - 8:00 a.m., Wednesday - 049 - 8:00 a.m., Friday - 033 - 3:05 p.m., Wednesday - 008 - 12:40 p.m., Wednesday - 008 - 12:40 p.m., Sunday - 063 - 9:55 a.m., Friday - 036 - 8:00 a.m.,

[illegible]

Wednesday - 054 - 2:35 p.m., Friday - 095 - 8:00 a.m., Wednesday - 012 - 12:40 p.m., Sunday - 094 - 9:55 a.m., Wednesday - 036 - 9:55 a.m., Wednesday - 057 - 8:00 a.m., Friday - 035 - 3:05 p.m., Wednesday - 086 - 9:55 a.m., Sunday - 053 - 3:55 p.m., Thursday - 049 - 5:00 p.m., Friday - 012 - 8:00 a.m., Saturday - 032 - 8:00 a.m., Saturday - 003 - 5:00 p.m., Wednesday - 057 - 2:35 p.m., Saturday - 019 - 9:55 a.m., Thursday - 012 - 1:10 p.m., Thursday - 073 - 5:00 p.m., Friday - 024 - 8:00 a.m., Sunday - 058 - 8:00 a.m., Thursday - 064 - 1:10 p.m., Saturday - 091 - 5:00 p.m., Friday - 058 - 9:55 a.m., Friday - 058 - 9:55 a.m., Thursday - 033.5 - 8:00 a.m., Friday - 043.3 - 1:10 p.m., Saturday - 043.5 - 8:00 a.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.4 - 9:55 a.m.

Friday - 004 - 9:55 a.m., Thursday - 064 - 9:55 a.m., Friday - 073 - 1:10 p.m., Friday - 010 - 8:00 a.m., Friday - 073 - 3:05 p.m., Wednesday - 055 - 2:35 p.m., Saturday - 039 - 8:00 a.m., Saturday - 101 - 1:10 p.m., Saturday - 101 - 1:10 p.m., Sunday - 080 - 2:00 p.m., Wednesday - 036 - 8:00 a.m., Wednesday - 036 - 8:00 a.m., Wednesday - 036 - 8:00 a.m., Thursday - 088 - 8:00 a.m., Sunday - 094 - 9:55 a.m., Wednesday - 036 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Friday - 028 - 3:05 p.m., Friday - 028 - 3:05 p.m., Sunday - 068 - 3:55 p.m., Sunday - 068 - 3:55 p.m., Thursday - 101 - 8:00 a.m., Wednesday - 035 - 8:00 a.m., Sunday - 086 - 2:00 p.m., Saturday - 001 - 1:10 p.m., Saturday - 001 - 1:10 p.m., Friday - 063 - 8:00 a.m., Thursday - 022 - 3:05 p.m., Friday - 025 - 3:05 p.m., Thursday - 019 - 8:00 a.m., Thursday - 098 - 8:00 a.m., Saturday - 094 - 9:55 a.m., Saturday - 094 - 1:10 p.m., Wednesday - 049 - 8:00 a.m., Wednesday - 051 - 12:40 p.m., Thursday - 006 - 1:10 p.m., Thursday - 006 - 1:10 p.m., Thursday - 006 - 1:10 p.m., Saturday - 006 - 5:00 p.m., Friday - 022 - 1:10 p.m., Friday - 022 - 1:10 p.m., Friday - 022 - 1:10 p.m., Saturday - 102 - 5:00 p.m., Friday - 016 - 3:05 p.m., Thursday - 101 - 9:55 a.m., Thursday - 101 - 9:55 a.m., Friday - 031 - 1:10 p.m., Thursday - 025 - 9:55 a.m., Saturday - 067 - 9:55 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 8:00 a.m., Friday - 090 - 9:55 a.m., Friday - 090 - 9:55 a.m., Friday - 090 - 9:55 a.m., Saturday - 064 - 1:10 p.m., Sunday - 038 - 2:00 p.m., Thursday - 088 - 9:55 a.m., Thursday - 081 - 1:10 p.m., Thursday - 081 - 1:10 p.m., Saturday - 003 - 9:55 a.m., Saturday - 003 - 9:55 a.m., Thursday - 047 - 3:05 p.m., Saturday - 055 - 5:00 p.m., Friday - 035 - 8:00 a.m., Friday - 002 - 8:00 a.m., Friday - 090 - 1:10 p.m., Friday - 090 - 1:10 p.m., Friday - 090 - 1:10 p.m., Thursday - 025 - 5:00 p.m., Wednesday - 035 - 12:40 p.m., Sunday - 058 - 9:55 a.m., Sunday - 086 - 3:55 p.m., Thursday - 022 - 9:55 a.m., Saturday - 039 - 9:55 a.m., Saturday - 039 - 9:55 a.m., Friday - 100 - 5:00 p.m., Friday - 026 - 8:00 a.m., Thursday - 012 - 1:10 p.m., Thursday - 012 - 1:10 p.m., Saturday - 034 - 1:10 p.m., Friday - 022 - 9:55 a.m., Friday - 022 - 9:55 a.m., Friday - 022 - 9:55 a.m., Friday - 022 - 9:55 a.m., Friday - 022 - 9:55 a.m., Sunday - 091 - 8:00 a.m., Friday - 097 - 9:55 a.m., Friday - 018 - 8:00 a.m., Saturday - 009 - 9:55 a.m., Saturday - 041 - 9:55 a.m., Sunday - 058 - 8:00 a.m., Saturday - 016 - 9:55 a.m., Saturday - 025 - 3:05 p.m., Friday - 089 - 9:55 a.m., Thursday - 068 - 8:00 a.m., Friday - 020 - 9:55 a.m., Friday - 020 - 9:55 a.m., Friday - 020 - 9:55 a.m., Saturday - 024 - 1:10 p.m., Saturday - 024 - 1:10 p.m., Saturday - 024 - 3:05 p.m., Sunday - 064 - 2:00 p.m., Sunday - 064 - 2:00 p.m., Friday - 028 - 5:00 p.m., Friday - 062 - 9:55 a.m., Friday - 057 - 9:55 a.m., Sunday - 020 - 2:00 p.m., Sunday - 020 - 2:00 p.m., Saturday - 082 - 1:10 p.m., Friday - 083 - 9:55 a.m., Sunday - 056 - 3:55 p.m., Sunday - 089 - 8:00 a.m., Sunday - 089 - 9:55 a.m., Thursday - 083 - 1:10 p.m., Thursday - 057 - 5:00 p.m., Thursday - 057 - 5:00 p.m., Thursday - 033.5 - 5:00 p.m.,

Wednesday - 038 - 2:35 p.m., Saturday - 006 - 1:10 p.m., Thursday - 068 - 5:00 p.m., Sunday - 070 - 9:55 a.m., Friday - 084 - 3:05 p.m., Friday - 091 - 5:00 p.m., Thursday - 087 - 9:55 a.m., Saturday - 056 - 9:55 a.m., Thursday - 026 - 1:10 p.m., Sunday - 061 - 8:00 a.m., Thursday - 050 - 3:05 p.m., Thursday - 009 - 9:55 a.m., Saturday - 093 - 1:10 p.m., Saturday - 036 - 8:00 a.m., Saturday - 036 - 8:00 a.m., Thursday - 002 - 8:00 a.m., Thursday - 002 - 8:00 a.m., Thursday - 002 - 8:00 a.m., Friday - 086 - 1:10 p.m., Wednesday - 012 - 2:35 p.m., Sunday - 064 - 8:00 a.m., Thursday - 019 - 8:00 a.m., Friday - 094 - 1:10 p.m., Thursday - 037 - 1:10 p.m., Saturday - 094 - 9:55 a.m., Wednesday - 051 - 12:40 p.m., Saturday - 035 - 9:55 a.m., Saturday - 097 - 8:00 a.m., Wednesday - 057 - 8:00 a.m., Thursday - 025 - 8:00 a.m., Friday - 064 - 9:55 a.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 1:10 p.m., Thursday - 034 - 1:10 p.m., Wednesday - 086 - 8:00 a.m., Friday - 007 - 5:00 p.m., Thursday - 026 - 9:55 a.m., Saturday - 102 - 5:00 p.m., Saturday - 054 - 3:05 p.m., Saturday - 073 - 5:00 p.m., Wednesday - 065 - 2:35 p.m., Friday - 016 - 3:05 p.m., Saturday - 061 - 9:55 a.m., Thursday - 099 - 8:00 a.m., Friday - 023 - 8:00 a.m., Thursday - 028 - 5:00 p.m., Thursday - 073 - 1:10 p.m., Thursday - 099 - 9:55 a.m., Thursday - 099 - 9:55 a.m., Thursday - 099 - 1:10 p.m., Thursday - 053 - 8:00 a.m., Wednesday - 031 - 8:00 a.m., Wednesday - 091 - 9:55 a.m., Saturday - 012 - 1:10 p.m., Wednesday - 084 - 9:55 a.m., Friday - 038 - 9:55 a.m., Saturday - 064 - 1:10 p.m., Saturday - 038 - 3:05 p.m., Saturday - 047 - 3:05 p.m., Saturday - 047 - 5:00 p.m., Wednesday - 092 - 9:55 a.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 007 - 1:10 p.m., Friday - 103 - 5:00 p.m., Wednesday - 084 - 12:40 p.m., Wednesday - 093 - 8:00 a.m., Friday - 037 - 1:10 p.m., Friday - 037 - 1:10 p.m., Sunday - 020 - 3:55 p.m., Saturday - 039 - 9:55 a.m., Thursday - 012 - 8:00 a.m., Thursday - 012 - 9:55 a.m., Saturday - 092 - 3:05 p.m., Wednesday - 093 - 12:40 p.m., Sunday - 006 - 8:00 a.m., Friday - 083 - 5:00 p.m., Friday - 083 - 5:00 p.m., Friday - 083 - 5:00 p.m., Friday - 087 - 9:55 a.m., Thursday - 082 - 1:10 p.m., Thursday - 061 - 1:10 p.m., Thursday - 061 - 1:10 p.m., Sunday - 041 - 9:55 a.m., Sunday - 040 - 2:00 p.m., Sunday - 040 - 2:00 p.m., Saturday - 001 - 8:00 a.m., Friday - 026 - 5:00 p.m., Saturday - 063 - 1:10 p.m., Saturday - 027 - 9:55 a.m., Saturday - 007 - 5:00 p.m., Saturday - 007 - 5:00 p.m., Friday - 074 - 3:05 p.m., Sunday - 061 - 9:55 a.m., Saturday - 099 - 1:10 p.m., Thursday - 017 - 3:05 p.m., Thursday - 017 - 3:05 p.m., Sunday - 024 - 8:00 a.m., Wednesday - 092 - 4:30 p.m., Friday - 024 - 5:00 p.m., Saturday - 098 - 9:55 a.m., Saturday - 098 - 9:55 a.m., Friday - 017 - 8:00 a.m., Friday - 017 - 8:00 a.m., Friday - 032 - 8:00 a.m., Saturday - 008 - 8:00 a.m., Sunday - 064 - 9:55 a.m., Wednesday - 093 - 2:35 p.m., Thursday - 028 - 8:00 a.m., Sunday - 026 - 9:55 a.m., Thursday - 089 - 1:10 p.m., Saturday - 005 - 3:05

TOPICAL INDEX

p.m., Saturday - 103 - 9:55 a.m., Saturday - 103 - 1:10 p.m., Saturday - 103 - 3:05 p.m., Sunday - 066 - 9:55 a.m., Sunday - 055 - 8:00 a.m., Saturday - 053 - 9:55 a.m., Friday - 082 - 5:00 p.m., Sunday - 089 - 8:00 a.m., Friday - 082 - 3:05 p.m., Saturday - 082 - 9:55 a.m., Thursday - 043.2 - 1:10 p.m.

Soils

Wednesday - 035 - 8:00 a.m., Thursday - 048 - 1:10 p.m., Saturday - 006 - 5:00 p.m., Friday - 054 - 3:05 p.m., Thursday - 084 - 9:55 a.m., Friday - 054 - 5:00 p.m., Friday - 054 - 5:00 p.m., Thursday - 097 - 9:55 a.m., Friday - 100 - 8:00 a.m., Friday - 100 - 8:00 a.m., Saturday - 034 - 1:10 p.m., Saturday - 057 - 5:00 p.m., Saturday - 020 - 8:00 a.m., Sunday - 092 - 2:00 p.m., Saturday - 057 - 3:05 p.m., Friday - 049 - 3:05 p.m., Friday - 049 - 1:10 p.m., Friday - 049 - 1:10 p.m., Saturday - 033.5 - 1:10 p.m., Thursday - 033.5 - 8:00 a.m., Thursday - 033.5 - 8:00 a.m., Wednesday - 033.5 - 4:30 p.m., Friday - 043.2 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.1 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Friday - 043.4 - 8:00 a.m.

South America

Saturday - 004 - 9:55 a.m., Wednesday - 049 - 9:55 a.m., Friday - 022 - 1:10 p.m., Thursday - 005 - 9:55 a.m., Saturday - 035 - 1:10 p.m., Saturday - 035 - 1:10 p.m., Thursday - 101 - 9:55 a.m., Saturday - 057 - 9:55 a.m., Thursday - 099 - 9:55 a.m., Sunday - 051 - 8:00 a.m., Sunday - 028 - 3:55 p.m., Friday - 041 - 9:55 a.m., Friday - 010 - 3:05 p.m., Wednesday - 036 - 12:40 p.m., Saturday - 023 - 3:05 p.m., Sunday - 040 - 2:00 p.m., Saturday - 007 - 5:00 p.m., Friday - 072 - 8:00 a.m., Saturday - 099 - 5:00 p.m., Sunday - 058 - 8:00 a.m., Friday - 032 - 8:00 a.m., Thursday - 068 - 8:00 a.m., Friday - 062 - 8:00 a.m., Thursday - 056 - 9:55 a.m., Thursday - 083 - 5:00 p.m., Saturday - 058 - 3:05 p.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 5:00 p.m., Friday - 043.1 - 3:05 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m.

Spatial Analysis & Modeling

Saturday - 020 - 5:00 p.m., Saturday - 090 - 1:10 p.m., Thursday - 018 - 1:10 p.m., Thursday - 086 - 8:00 a.m., Wednesday - 054 - 2:35 p.m., Saturday - 052 - 1:10 p.m., Sunday - 063 - 2:00 p.m., Sunday - 063 - 2:00 p.m., Wednesday - 065 - 12:40 p.m., Thursday - 064 - 9:55 a.m., Thursday - 064 - 9:55 a.m., Thursday - 064 - 9:55 a.m., Thursday - 023 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Wednesday - 073 - 8:00 a.m., Thursday - 097 - 5:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 097 - 5:00 p.m., Thursday - 072 - 1:10 p.m., Thursday - 072 - 1:10 p.m., Saturday - 060 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 041 - 8:00 a.m., Friday - 065 - 5:00 p.m., Saturday - 073 - 8:00 a.m., Friday - 055 - 8:00 a.m., Friday - 055 - 8:00 a.m., Friday - 004 - 1:10 p.m., Wednesday - 073 - 2:35 p.m., Friday - 092 - 9:55 a.m., Friday - 074 - 1:10 p.m., Saturday - 091 - 8:00 a.m., Wednesday - 001 - 12:40 p.m., Wednesday - 001 - 12:40 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Thursday - 035 - 5:00 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 055 - 2:35 p.m., Wednesday - 067 - 9:55 a.m., Wednesday - 067 - 9:55 a.m., Wednesday - 067 - 9:55 a.m., Wednesday - 067 - 9:55 a.m., Wednesday - 067 - 9:55 a.m., Friday - 055 - 9:55 a.m., Friday - 055 - 9:55 a.m., Friday - 055 - 9:55 a.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 9:55 a.m., Friday - 067 - 9:55 a.m., Friday - 055 - 3:05 p.m., Friday - 055 - 3:05 p.m., Friday - 055 - 3:05 p.m., Friday - 055 - 3:05 p.m., Saturday - 039 - 8:00 a.m., Thursday - 094 - 8:00 a.m., Wednesday - 049 - 9:55 a.m., Friday - 087 - 8:00 a.m., Thursday - 054 - 1:10 p.m., Thursday - 054 - 1:10 p.m., Thursday - 054 - 1:10 p.m., Thursday - 054 - 1:10 p.m., Sunday - 069 - 8:00 a.m., Sunday - 069 - 8:00 a.m., Sunday - 069 - 8:00 a.m., Wednesday - 032 - 12:40 p.m., Wednesday - 032 - 12:40 p.m., Friday - 056 - 9:55 a.m., Sunday - 001 - 8:00 a.m., Sunday - 001 - 8:00 a.m., Saturday - 065 - 5:00 p.m., Wednesday - 055 - 4:30 p.m., Thursday - 048 - 9:55 a.m., Thursday - 048 - 1:10 p.m., Friday - 041 - 5:00 p.m., Friday - 041 - 5:00 p.m., Friday - 041 - 5:00 p.m., Friday - 041 - 5:00 p.m., Friday - 041 - 5:00 p.m., Friday - 041 - 5:00 p.m., Friday - 064 - 1:10 p.m., Friday - 064 - 1:10 p.m., Thursday - 048 - 3:05 p.m., Thursday - 063 - 8:00 a.m., Thursday - 056 - 3:05 p.m., Thursday - 056 - 3:05 p.m., Thursday - 056 - 3:05 p.m., Saturday - 066 - 8:00 a.m., Friday - 048 - 5:00 p.m., Friday - 048 - 5:00 p.m., Saturday - 091 - 3:05 p.m., Saturday - 091 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Friday - 091 - 8:00 a.m., Saturday - 066 - 1:10 p.m., Friday - 095 - 1:10 p.m., Wednesday - 067 - 12:40 p.m., Wednesday - 067 - 12:40 p.m., Thursday - 103 - 8:00 a.m., Thursday - 087 - 3:05 p.m., Thursday - 087 - 3:05 p.m., Thursday - 087 - 3:05 p.m., Thursday - 087 - 3:05 p.m., Thursday - 091 - 8:00 a.m., Thursday - 091 - 8:00 a.m., Friday - 061 - 9:55 a.m., Sunday - 063 - 8:00 a.m., Saturday - 038 - 9:55 a.m., Friday - 033 - 3:05 p.m., Friday - 033 - 3:05 p.m., Saturday - 063 - 8:00 a.m., Thursday - 025 - 8:00 a.m., Wednesday - 058 - 12:40 p.m., Wednesday - 058 - 12:40 p.m., Saturday - 006 - 5:00 p.m., Wednesday - 008 - 12:40 p.m., Wednesday - 008 - 12:40 p.m., Wednesday - 012 - 9:55 a.m., Sunday - 063 - 9:55 a.m., Sunday - 063 - 9:55 a.m., Thursday - 060 - 9:55 a.m., Thursday - 060 - 9:55 a.m., Thursday - 060 - 8:00 a.m., Saturday - 031 - 8:00 a.m., Saturday - 031 - 8:00 a.m., Friday - 033 - 1:10 p.m., Friday -

033 - 1:10 p.m., Friday - 033 - 1:10 p.m., Friday - 033 - 1:10 p.m., Friday - 052 - 9:55 a.m., Friday - 033 - 8:00 a.m., Sunday - 068 - 8:00 a.m., Wednesday - 081 - 9:55 a.m., Saturday - 035 - 1:10 p.m., Saturday - 090 - 3:05 p.m., Saturday - 090 - 3:05 p.m., Thursday - 020 - 1:10 p.m., Wednesday - 081 - 2:35 p.m., Wednesday - 067 - 2:35 p.m., Saturday - 057 - 9:55 a.m., Thursday - 090 - 8:00 a.m., Thursday - 090 - 8:00 a.m., Thursday - 090 - 8:00 a.m., Sunday - 028 - 3:55 p.m., Friday - 048 - 9:55 a.m., Friday - 048 - 9:55 a.m., Friday - 048 - 9:55 a.m., Friday - 041 - 9:55 a.m., Friday - 041 - 9:55 a.m., Friday - 041 - 9:55 a.m., Wednesday - 039 - 8:00 a.m., Wednesday - 039 - 8:00 a.m., Wednesday - 056 - 9:55 a.m., Saturday - 074 - 5:00 p.m., Saturday - 055 - 3:05 p.m., Sunday - 001 - 9:55 a.m., Sunday - 001 - 9:55 a.m., Wednesday - 001 - 2:35 p.m., Wednesday - 001 - 2:35 p.m., Saturday - 038 - 1:10 p.m., Thursday - 004 - 1:10 p.m., Saturday - 034 - 8:00 a.m., Saturday - 034 - 8:00 a.m., Saturday - 034 - 8:00 a.m., Saturday - 034 - 8:00 a.m., Saturday - 034 - 9:55 a.m., Saturday - 034 - 9:55 a.m., Saturday - 034 - 9:55 a.m., Saturday - 034 - 9:55 a.m., Thursday - 090 - 9:55 a.m., Thursday - 090 - 9:55 a.m., Wednesday - 008 - 4:30 p.m., Thursday - 060 - 3:05 p.m., Thursday - 039 - 8:00 a.m., Thursday - 039 - 8:00 a.m., Saturday - 080 - 9:55 a.m., Wednesday - 068 - 9:55 a.m., Thursday - 087 - 5:00 p.m., Thursday - 087 - 5:00 p.m., Thursday - 087 - 5:00 p.m., Friday - 041 - 3:05 p.m., Friday - 087 - 3:05 p.m., Thursday - 097 - 9:55 a.m., Thursday - 018 - 3:05 p.m., Thursday - 091 - 1:10 p.m., Thursday - 086 - 1:10 p.m., Wednesday - 054 - 12:40 p.m., Wednesday - 054 - 12:40 p.m., Thursday - 047 - 5:00 p.m., Thursday - 047 - 5:00 p.m., Thursday - 091 - 3:05 p.m., Saturday - 081 - 1:10 p.m., Saturday - 081 - 1:10 p.m., Saturday - 081 - 3:05 p.m., Saturday - 081 - 5:00 p.m., Friday - 087 - 9:55 a.m., Thursday - 018 - 9:55 a.m., Thursday - 089 - 8:00 a.m., Thursday - 089 - 8:00 a.m., Friday - 084 - 5:00 p.m., Saturday - 034 - 1:10 p.m., Saturday - 034 - 1:10 p.m., Saturday - 034 - 1:10 p.m., Saturday - 034 - 1:10 p.m., Saturday - 034 - 1:10 p.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 1:10 p.m., Thursday - 058 - 1:10 p.m., Friday - 098 - 9:55 a.m., Wednesday - 008 - 2:35 p.m., Wednesday - 008 - 2:35 p.m., Friday - 055 - 5:00 p.m., Friday - 055 - 5:00 p.m., Friday - 003 - 1:10 p.m., Friday - 066 - 8:00 a.m., Wednesday - 073 - 9:55 a.m., Thursday - 074 - 8:00 a.m., Friday - 047 - 9:55 a.m., Friday - 047 - 9:55 a.m., Friday - 047 - 9:55 a.m., Thursday - 090 - 1:10 p.m., Thursday - 090 - 1:10 p.m., Thursday - 090 - 1:10 p.m., Thursday - 050 - 5:00 p.m., Friday - 066 - 3:05 p.m., Wednesday - 055 - 12:40 p.m., Wednesday - 032 - 8:00 a.m., Friday - 072 - 1:10 p.m., Saturday - 060 - 5:00 p.m., Saturday - 060 - 5:00 p.m., Thursday - 027 - 9:55 a.m., Saturday - 101 - 3:05 p.m., Thursday - 061 - 5:00 p.m., Sunday - 069 - 9:55 a.m., Sunday - 069 - 9:55 a.m., Sunday - 069 - 2:00 p.m., Sunday - 069 - 3:55 p.m., Saturday - 090 - 5:00 p.m., Saturday - 060 - 9:55 a.m., Thursday - 072 - 8:00 a.m., Friday - 032 - 9:55 a.m., Thursday - 065 - 9:55 a.m., Wednesday - 003 - 12:40 p.m., Saturday - 056 - 1:10 p.m., Saturday - 101 - 5:00 p.m., Thursday - 049 - 1:10 p.m., Wednesday - 089 - 4:30 p.m., Thursday - 089 - 1:10 p.m., Friday - 089 - 8:00 a.m., Wednesday - 039 - 9:55 a.m., Friday - 064 - 3:05 p.m., Saturday - 048 - 9:55 a.m., Saturday - 103 - 5:00 p.m., Sunday - 088 - 2:00 p.m., Thursday - 021 - 9:55 a.m., Thursday - 021 - 9:55 a.m., Thursday - 021 - 9:55 a.m., Thursday - 021 - 5:00 p.m., Friday - 021 - 9:55 a.m., Friday - 021 - 9:55 a.m., Friday - 021 - 8:00 a.m., Friday - 021 - 8:00 a.m., Friday - 021 - 3:05 p.m., Thursday - 019 - 3:05 p.m., Thursday - 032 - 8:00 a.m., Thursday - 032 - 8:00 a.m., Thursday - 032 - 9:55 a.m., Thursday - 032 - 9:55 a.m., Thursday - 032 - 9:55 a.m., Thursday - 064 - 3:05 p.m., Saturday - 024 - 1:10 p.m., Saturday - 024 - 1:10 p.m., Thursday - 063 - 1:10 p.m., Thursday - 062 - 3:05 p.m., Sunday - 047 - 2:00 p.m., Saturday - 057 - 5:00 p.m., Saturday - 057 - 5:00 p.m., Saturday - 057 - 5:00 p.m., Wednesday - 058 - 4:30 p.m., Saturday - 028 - 1:10 p.m., Friday - 057 - 5:00 p.m., Friday - 057 - 5:00 p.m., Friday - 062 - 9:55 a.m., Saturday - 056 - 8:00 a.m., Friday - 082 - 1:10 p.m., Thursday - 056 - 8:00 a.m., Thursday - 056 - 8:00 a.m., Thursday - 056 - 8:00 a.m., Sunday - 053 - 9:55 a.m., Sunday - 057 - 2:00 p.m., Sunday - 057 - 2:00 p.m., Thursday - 056 - 5:00 p.m., Thursday - 056 - 5:00 p.m., Saturday - 020 - 8:00 a.m., Saturday - 020 - 8:00 a.m., Saturday - 020 - 8:00 a.m., Saturday - 020 - 8:00 a.m., Saturday - 020 - 8:00 a.m., Saturday - 020 - 9:55 a.m., Saturday - 020 - 9:55 a.m., Saturday - 062 - 3:05 p.m., Thursday - 057 - 8:00 a.m., Saturday - 056 - 5:00 p.m., Saturday - 056 - 3:05 p.m., Sunday - 056 - 8:00 a.m., Sunday - 056 - 9:55 a.m., Sunday - 056 - 2:00 p.m., Sunday - 056 - 2:00 p.m., Sunday - 056 - 2:00 p.m., Sunday - 056 - 2:00 p.m., Sunday - 056 - 3:55 p.m., Wednesday - 058 - 2:35 p.m., Saturday - 057 - 8:00 a.m., Saturday - 057 - 8:00 a.m., Saturday - 057 - 8:00 a.m., Saturday - 057 - 8:00 a.m., Saturday - 057 - 8:00 a.m., Wednesday - 056 - 12:40 p.m., Wednesday - 056 - 2:35 p.m., Friday - 056 - 3:05 p.m., Friday - 056 - 3:05 p.m., Thursday - 053 - 9:55 a.m., Friday - 053 - 9:55 a.m., Saturday - 053 - 9:55 a.m., Saturday - 053 - 9:55 a.m., Friday - 082 - 3:05 p.m., Thursday - 083 - 1:10 p.m., Wednesday - 049 - 4:30 p.m., Friday - 049 - 9:55 a.m., Saturday - 049 - 1:10 p.m., Friday - 058 - 1:10 p.m., Wednesday - 058 - 8:00 a.m., Friday - 049 - 3:05 p.m., Friday - 049 - 3:05 p.m., Friday - 058 - 8:00 a.m., Saturday - 058 - 9:55 a.m., Friday - 067 - 1:10 p.m., Thursday - 027 - 8:00 a.m., Thursday - 036 - 8:00 a.m., Thursday - 036 - 8:00 a.m., Thursday - 033.5 - 5:00 p.m., Friday - 033.5 - 1:10 p.m., Thursday - 033.5 - 8:00 a.m., Thursday - 033.5 - 8:00 a.m., Friday - 033.5 - 3:05 p.m., Saturday - 033.5 - 9:55 a.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Wednesday - 091 - 4:30 p.m., Saturday - 054 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m.

TOPICAL INDEX

a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m.,
Friday - 043.1 - 8:00 a.m., Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m.,
Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m.,
Thursday - 043.2 - 3:05 p.m., Thursday - 043.2 - 3:05 p.m., Friday - 043.1 - 3:05 p.m.
Saturday - 043.1 - 8:00 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Friday
- 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Saturday - 043.5 - 8:00 a.m., Thursday -
043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday -
043.1 - 9:55 a.m., Friday - 043.4 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Friday - 043.2 -
8:00 a.m., Friday - 043.2 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Thursday - 043.3 - 3:05
p.m., Thursday - 043.3 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55
a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55
a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55
a.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55
a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55
a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55
a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55
a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.4 - 9:55
a.m., Thursday - 043.4 - 9:55 a.m., Thursday - 043.4 - 9:55 a.m., Saturday - 043.2 - 8:00
a.m., Saturday - 043.2 - 8:00 a.m., Saturday - 043.2 - 8:00 a.m., Friday - 043.3 - 3:05 p.m.,
Thursday - 043.3 - 1:10 p.m.

Sustainability Science

Friday - 023 - 9:55 a.m., Friday - 037 - 5:00 p.m., Saturday - 038 - 8:00 a.m., Wednesday - 090 - 12:40 p.m., Saturday - 024 - 9:55 a.m., Saturday - 039 - 8:00 a.m., Thursday - 088 - 8:00 a.m., Sunday - 001 - 8:00 a.m., Sunday - 038 - 3:55 p.m., Sunday - 025 - 9:55 a.m., Saturday - 034 - 5:00 p.m., Saturday - 047 - 9:55 a.m., Saturday - 063 - 9:55 a.m., Saturday - 063 - 9:55 a.m., Thursday - 048 - 3:05 p.m., Saturday - 001 - 1:10 p.m., Thursday - 063 - 8:00 a.m., Thursday - 024 - 8:00 a.m., Saturday - 038 - 9:55 a.m., Thursday - 006 - 1:10 p.m., Friday - 033 - 3:05 p.m., Thursday - 092 - 3:05 p.m., Sunday - 068 - 8:00 a.m., Sunday - 068 - 8:00 a.m., Friday - 016 - 3:05 p.m., Thursday - 019 - 9:55 a.m., Friday - 054 - 8:00 a.m., Thursday - 073 - 3:05 p.m., Wednesday - 088 - 8:00 a.m., Saturday - 093 - 3:05 p.m., Wednesday - 091 - 9:55 a.m., Friday - 048 - 9:55 a.m., Saturday - 040 - 5:00 p.m., Saturday - 074 - 5:00 p.m., Thursday - 063 - 9:55 a.m., Saturday - 033 - 9:55 a.m., Thursday - 047 - 9:55 a.m., Sunday - 052 - 2:00 p.m., Saturday - 066 - 9:55 a.m., Sunday - 050 - 9:55 a.m., Saturday - 086 - 8:00 a.m., Saturday - 039 - 9:55 a.m., Thursday - 094 - 5:00 p.m., Thursday - 091 - 1:10 p.m., Wednesday - 054 - 12:40 p.m., Wednesday - 054 - 12:40 p.m., Wednesday - 054 - 12:40 p.m., Wednesday - 054 - 12:40 p.m., Saturday - 086 - 1:10 p.m., Thursday - 095 - 9:55 a.m., Saturday - 086 - 3:05 p.m., Saturday - 048 - 8:00 a.m., Thursday - 018 - 9:55 a.m., Thursday - 024 - 9:55 a.m., Thursday - 058 - 8:00 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 9:55 a.m., Thursday - 017 - 9:55 a.m., Sunday - 041 - 9:55 a.m., Sunday - 041 - 9:55 a.m., Saturday - 063 - 1:10 p.m., Friday - 066 - 1:10 p.m., Friday - 066 - 3:05 p.m., Friday - 097 - 9:55 a.m., Friday - 097 - 9:55 a.m., Friday - 072 - 8:00 a.m., Friday - 072 - 1:10 p.m., Friday - 072 - 1:10 p.m., Thursday - 058 - 3:05 p.m., Friday - 024 - 8:00 a.m., Saturday - 086 - 5:00 p.m., Saturday - 086 - 5:00 p.m., Saturday - 086 - 5:00 p.m., Friday - 057 - 1:10 p.m., Friday - 088 - 1:10 p.m., Friday - 066 - 9:55 a.m., Thursday - 065 - 9:55 a.m., Thursday - 054 - 3:05 p.m., Sunday - 050 - 2:00 p.m., Sunday - 050 - 2:00 p.m., Sunday - 050 - 2:00 p.m., Sunday - 050 - 2:00 p.m., Thursday - 028 - 8:00 a.m., Saturday - 101 - 5:00 p.m., Wednesday - 089 - 8:00 a.m., Friday - 020 - 5:00 p.m., Friday - 020 - 9:55 a.m., Thursday - 064 - 3:05 p.m., Thursday - 064 - 3:05 p.m., Saturday - 024 - 1:10 p.m., Thursday - 062 - 9:55 a.m., Saturday - 063 - 3:05 p.m., Thursday - 024 - 1:10 p.m., Sunday - 036 - 2:00 p.m., Sunday - 020 - 2:00 p.m., Saturday - 062 - 8:00 a.m., Saturday - 064 - 5:00 p.m., Friday - 083 - 9:55 a.m., Sunday - 060 - 2:00 p.m., Wednesday - 058 - 2:35 p.m., Friday - 083 - 8:00 a.m., Sunday - 086 - 8:00 a.m., Sunday - 086 - 8:00 a.m., Saturday - 087 - 3:05 p.m., Thursday - 057 - 5:00 p.m., Wednesday - 049 - 4:30 p.m., Saturday - 049 - 3:05 p.m., Thursday - 051 - 1:10 p.m., Saturday - 033.5 - 1:10 p.m., Thursday - 033.5 - 9:55 a.m., Thursday - 033.5 - 3:05 p.m., Wednesday - 033.5 - 2:35 p.m., Friday - 099 - 8:00 a.m., Friday - 099 - 8:00 a.m., Thursday - 035 - 8:00 a.m., Friday - 043.2 - 3:05 p.m., Friday - 043.3 - 1:10 p.m., Friday - 043.3 - 1:10 p.m., Saturday - 043.1 - 8:00 a.m., Saturday - 043.1 - 8:00 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Friday - 043.1 - 1:10 p.m., Thursday - 043.1 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Friday - 043.3 - 3:05 p.m., Friday - 043.3 - 3:05 p.m., Friday - 043.3 - 3:05 p.m., Friday - 043.3 - 3:05 p.m., Friday - 043.3 - 3:05 p.m., Friday - 043.3 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Thursday - 043.2 - 1:10 p.m., Thursday - 043.3 - 1:10 p.m.

Temporal GIS

Thursday - 097 - 5:00 p.m., Saturday - 091 - 8:00 a.m., Wednesday - 001 - 12:40 p.m.,
Wednesday - 087 - 4:30 p.m., Thursday - 054 - 1:10 p.m., Wednesday - 032 - 12:40 p.m.,

Thursday - 097 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 097 - 8:00 a.m., Thursday - 097 - 8:00 a.m., Thursday - 060 - 8:00 a.m., Thursday - 089 - 9:55 a.m., Wednesday - 091 - 9:55 a.m., Thursday - 090 - 8:00 a.m., Saturday - 004 - 8:00 a.m., Thursday - 091 - 1:10 p.m., Saturday - 081 - 5:00 p.m., Friday - 028 - 9:55 a.m., Thursday - 058 - 1:10 p.m., Thursday - 090 - 1:10 p.m., Friday - 074 - 3:05 p.m., Sunday - 069 - 9:55 a.m., Saturday - 090 - 5:00 p.m., Friday - 089 - 9:55 a.m., Saturday - 103 - 1:10 p.m., Thursday - 021 - 3:05 p.m., Thursday - 062 - 1:10 p.m., Saturday - 057 - 3:05 p.m., Wednesday - 058 - 8:00 a.m., Thursday - 036 - 8:00 a.m., Friday - 033.5 - 3:05 p.m., Thursday - 033.5 - 3:05 p.m., Friday - 099 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Thursday - 043.1 - 3:05 p.m., Thursday - 043.1 - 8:00 a.m., Friday - 043.2 - 8:00 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.3 - 9:55 a.m., Thursday - 043.2 - 1:10 p.m.

Third World

Wednesday - 088 - 2:35 p.m., Friday - 097 - 8:00 a.m., Saturday - 081 - 8:00 a.m., Friday - 028 - 3:05 p.m., Friday - 019 - 9:55 a.m., Thursday - 006 - 9:55 a.m., Thursday - 019 - 8:00 a.m., Thursday - 019 - 8:00 a.m., Wednesday - 094 - 12:40 p.m., Friday - 086 - 3:05 p.m., Saturday - 098 - 3:05 p.m., Thursday - 005 - 1:10 p.m., Wednesday - 065 - 2:35 p.m., Friday - 006 - 9:55 a.m., Friday - 099 - 1:10 p.m., Friday - 099 - 3:05 p.m., Saturday - 004 - 3:05 p.m., Thursday - 018 - 9:55 a.m., Friday - 101 - 1:10 p.m., Saturday - 023 - 5:00 p.m., Friday - 097 - 3:05 p.m., Sunday - 093 - 9:55 a.m., Thursday - 028 - 8:00 a.m., Wednesday - 089 - 12:40 p.m., Thursday - 063 - 3:05 p.m., Friday - 028 - 5:00 p.m., Sunday - 054 - 3:55 p.m., Saturday - 092 - 1:10 p.m., Friday - 082 - 5:00 p.m., Saturday - 082 - 5:00 p.m., Friday - 058 - 8:00 a.m., Wednesday - 087 - 9:55 a.m., Thursday - 043.1 - 8:00 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.

Tourism Geography

Saturday -090 - 1:10 p.m., Saturday -090 - 1:10 p.m., Saturday -090 - 1:10 p.m., Saturday -090 - 1:10 p.m., Saturday -090 - 1:10 p.m., Thursday -102 - 3:05 p.m., Thursday -102 - 3:05 p.m., Thursday -102 - 3:05 p.m., Thursday -102 - 3:05 p.m., Saturday -101 - 8:00 a.m., Friday -004 - 9:55 a.m., Friday -004 - 9:55 a.m., Friday -004 - 9:55 a.m., Friday -004 - 9:55 a.m., Friday -004 - 9:55 a.m., Wednesday -065 - 12:40 p.m., Wednesday -065 - 12:40 p.m., Wednesday -065 - 12:40 p.m., Friday -103 - 9:55 a.m., Thursday -016 - 3:05 p.m., Wednesday -051 - 4:30 p.m., Saturday -082 - 3:05 p.m., Friday -034 - 3:05 p.m., Sunday -027 - 9:55 a.m., Sunday -027 - 9:55 a.m., Sunday -027 - 9:55 a.m., Friday -080 - 8:00 a.m., Saturday -005 - 8:00 a.m., Saturday -005 - 8:00 a.m., Saturday -005 - 8:00 a.m., Saturday -005 - 8:00 a.m., Thursday -048 - 8:00 a.m., Thursday -074 - 3:05 p.m., Friday -027 - 9:55 a.m., Friday -056 - 9:55 a.m., Sunday -068 - 3:55 p.m., Sunday -068 - 3:55 p.m., Wednesday -050 - 2:35 p.m., Wednesday -050 - 2:35 p.m., Wednesday -050 - 2:35 p.m., Sunday -086 - 2:00 p.m., Sunday -086 - 2:00 p.m., Sunday -086 - 2:00 p.m., Thursday -022 - 3:05 p.m., Thursday -006 - 9:55 a.m., Thursday -006 - 9:55 a.m., Thursday -006 - 9:55 a.m., Thursday -006 - 9:55 a.m., Friday -007 - 9:55 a.m., Thursday -006 - 1:10 p.m., Thursday -006 - 1:10 p.m., Thursday -006 - 1:10 p.m., Thursday -006 - 1:10 p.m., Thursday -006 - 1:10 p.m., Saturday -084 - 9:55 a.m., Saturday -084 - 9:55 a.m., Saturday -084 - 9:55 a.m., Saturday -084 - 9:55 a.m., Saturday -084 - 9:55 a.m., Friday -086 - 3:05 p.m., Friday -028 - 8:00 a.m., Friday -028 - 8:00 a.m., Friday -028 - 8:00 a.m., Friday -028 - 8:00 a.m., Friday -028 - 8:00 a.m., Saturday -005 - 9:55 a.m., Saturday -005 - 9:55 a.m., Saturday -005 - 9:55 a.m., Saturday -005 - 9:55 a.m., Friday -034 - 1:10 p.m., Wednesday -065 - 2:35 p.m., Wednesday -065 - 2:35 p.m., Wednesday -065 - 2:35 p.m., Wednesday -065 - 2:35 p.m., Friday -037 - 8:00 a.m., Friday -037 - 8:00 a.m., Friday -037 - 8:00 a.m., Friday -037 - 8:00 a.m., Friday -037 - 8:00 a.m., Friday -037 - 8:00 a.m., Friday -037 - 8:00 a.m., Thursday -019 - 9:55 a.m., Saturday -090 - 3:05 p.m., Saturday -090 - 3:05 p.m., Saturday -090 - 3:05 p.m., Saturday -090 - 3:05 p.m., Thursday -102 - 5:00 p.m., Thursday -102 - 5:00 p.m., Thursday -102 - 5:00 p.m., Thursday -102 - 5:00 p.m., Friday -062 - 3:05 p.m., Friday -062 - 3:05 p.m., Friday -080 - 9:55 a.m., Wednesday -001 - 2:35 p.m., Friday -090 - 8:00 a.m., Thursday -006 - 8:00 a.m., Thursday -006 - 8:00 a.m., Thursday -006 - 8:00 a.m., Saturday -003 - 9:55 a.m., Sunday -048 - 2:00 p.m., Sunday -048 - 3:55 p.m., Thursday -025 - 5:00 p.m., Thursday -033 - 5:00 p.m., Wednesday -037 - 2:35 p.m., Friday -001 - 3:05 p.m., Saturday -048 - 8:00 a.m., Saturday -019 - 8:00 a.m., Sunday -024 - 3:55 p.m., Thursday -016 - 9:55 a.m., Thursday -016 - 9:55 a.m., Saturday -020 - 1:10 p.m., Saturday -009 - 8:00 a.m., Saturday -009 - 8:00 a.m., Friday -072 - 8:00 a.m., Wednesday -053 - 2:35 p.m., Saturday -026 - 5:00 p.m., Sunday -069 - 2:00 p.m., Saturday -090 - 5:00 p.m., Saturday -090 - 5:00 p.m., Sunday -058 - 8:00 a.m., Saturday -016 - 9:55 a.m., Saturday -016 - 9:55 a.m., Saturday -016 - 9:55 a.m., Friday -093 - 9:55 a.m., Thursday -008 - 9:55 a.m., Friday -022 - 8:00 a.m., Friday -022 - 8:00 a.m., Saturday -005 - 3:05 p.m., Saturday -005 - 3:05 p.m., Saturday -005 - 3:05 p.m., Saturday -005 - 3:05 p.m., Saturday -005 - 3:05 p.m., Saturday -005 - 5:00 p.m., Friday -064 - 3:05 p.m., Friday -064 - 3:05 p.m., Friday -064 - 3:05 p.m., Sunday -072 - 8:00 a.m., Friday -004 - 5:00 p.m., Friday -049 - 9:55 a.m., Saturday -058 - 3:05 p.m., Thursday -033 - 5:00 p.m., Friday -033 - 9:55 a.m., Friday -043 - 3:05

Friday - 023 - 9:55 a.m., Friday - 023 - 9:55 a.m., Friday - 060 - 3:05 p.m., Saturday - 090 - 1:10 p.m., Friday - 073 - 8:00 a.m., Friday - 073 - 8:00 a.m., Wednesday - 092 - 2:35 p.m., Wednesday - 092 - 2:35 p.m., Wednesday - 092 - 2:35 p.m., Thursday - 073 - 8:00 a.m., Thursday - 073 - 8:00 a.m., Thursday - 073 - 8:00 a.m., Thursday - 018 - 1:10 p.m., Thursday - 086 - 8:00 a.m., Saturday - 101 - 8:00 a.m., Saturday - 101 - 8:00 a.m., Saturday

TOPICAL INDEX

01 - 8:00 a.m., Saturday - 023 - 8:00 a.m., Wednesday - 038 - 8:00 a.m., Saturday - 063 - 3:05 p.m., Thursday - 020 - 8:00 a.m., Sunday - 063 - 2:00 p.m., Sunday - 063 - 2:00 p.m., Sunday - 063 - 2:00 p.m., Wednesday - 034 - 9:55 a.m., Thursday - 023 - 8:00 a.m., Wednesday - 091 - 8:00 a.m., Wednesday - 091 - 8:00 a.m., Thursday - 097 - 5:00 p.m., Friday - 009 - 9:55 a.m., Friday - 050 - 8:00 a.m., Friday - 050 - 8:00 a.m., Friday - 050 - 8:00 a.m., Saturday - 074 - 8:00 a.m., Friday - 081 - 1:10 p.m., Friday - 081 - 1:10 p.m., Friday - 081 - 1:10 p.m., Friday - 081 - 1:10 p.m., Thursday - 020 - 3:05 p.m., Wednesday - 041 - 2:35 p.m., Saturday - 038 - 5:00 p.m., Saturday - 038 - 5:00 p.m., Saturday - 038 - 5:00 p.m., Friday - 007 - 3:05 p.m., Saturday - 036 - 1:10 p.m., Saturday - 036 - 1:10 p.m., Friday - 091 - 5:00 p.m., Friday - 068 - 8:00 a.m., Saturday - 005 - 8:00 a.m., Friday - 074 - 1:10 p.m., Saturday - 091 - 8:00 a.m., Saturday - 064 - 3:05 p.m., Friday - 020 - 1:10 p.m., Friday - 095 - 8:00 a.m., Thursday - 026 - 1:10 p.m., Wednesday - 067 - 9:55 a.m., Wednesday - 057 - 12:40 p.m., Wednesday - 057 - 12:40 p.m., Wednesday - 090 - 8:00 a.m., Wednesday - 090 - 12:40 p.m., Wednesday - 090 - 12:40 p.m., Wednesday - 090 - 12:40 p.m., Saturday - 024 - 9:55 a.m., Thursday - 074 - 3:05 p.m., Friday - 020 - 3:05 p.m., Friday - 020 - 3:05 p.m., Thursday - 050 - 3:05 p.m., Thursday - 050 - 3:05 p.m., Thursday - 095 - 8:00 a.m., Friday - 018 - 1:10 p.m., Friday - 018 - 1:10 p.m., Friday - 018 - 1:10 p.m., Friday - 018 - 1:10 p.m., Friday - 064 - 5:00 p.m., Friday - 064 - 5:00 p.m., Friday - 064 - 5:00 p.m., Friday - 064 - 5:00 p.m., Saturday - 093 - 1:10 p.m., Saturday - 093 - 1:10 p.m., Saturday - 093 - 1:10 p.m., Saturday - 036 - 8:00 a.m., Saturday - 036 - 8:00 a.m., Saturday - 097 - 5:00 p.m., Saturday - 097 - 5:00 p.m., Saturday - 097 - 5:00 p.m., Saturday - 097 - 5:00 p.m., Saturday - 097 - 5:00 p.m., Sunday - 094 - 9:55 a.m., Wednesday - 038 - 9:55 a.m., Saturday - 081 - 8:00 a.m., Saturday - 081 - 8:00 a.m., Saturday - 081 - 8:00 a.m., Sunday - 055 - 9:55 a.m., Sunday - 055 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Sunday - 024 - 9:55 a.m., Sunday - 025 - 9:55 a.m., Sunday - 025 - 9:55 a.m., Sunday - 025 - 9:55 a.m., Sunday - 025 - 9:55 a.m., Friday - 028 - 3:05 p.m., Thursday - 034 - 5:00 p.m., Thursday - 034 - 5:00 p.m., Sunday - 089 - 2:00 p.m., Sunday - 089 - 2:00 p.m., Sunday - 089 - 2:00 p.m., Saturday - 047 - 9:55 a.m., Saturday - 047 - 9:55 a.m., Sunday - 068 - 9:55 a.m., Saturday - 063 - 9:55 a.m., Sunday - 024 - 2:00 p.m., Saturday - 081 - 9:55 a.m., Saturday - 087 - 9:55 a.m., Friday - 019 - 9:55 a.m., Sunday - 037 - 3:55 p.m., Wednesday - 089 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Wednesday - 089 - 9:55 a.m., Saturday - 001 - 1:10 p.m., Sunday - 005 - 9:55 a.m., Sunday - 005 - 9:55 a.m., Friday - 100 - 1:10 p.m., Thursday - 063 - 8:00 a.m., Thursday - 063 - 8:00 a.m., Thursday - 063 - 8:00 a.m., Friday - 063 - 8:00 a.m., Friday - 063 - 8:00 a.m., Saturday - 091 - 3:05 p.m., Thursday - 097 - 3:05 p.m., Thursday - 024 - 8:00 a.m., Thursday - 024 - 8:00 a.m., Thursday - 022 - 3:05 p.m., Thursday - 022 - 3:05 p.m., Friday - 095 - 1:10 p.m., Friday - 008 - 8:00 a.m., Thursday - 087 - 3:05 p.m., Thursday - 091 - 8:00 a.m., Friday - 005 - 8:00 a.m., Friday - 005 - 8:00 a.m., Thursday - 037 - 3:05 p.m., Friday - 061 - 9:55 a.m., Saturday - 097 - 8:00 a.m., Friday - 095 - 3:05 p.m., Friday - 095 - 3:05 p.m., Friday - 095 - 3:05 p.m., Wednesday - 090 - 4:30 p.m., Friday - 039 - 3:05 p.m., Saturday - 038 - 9:55 a.m., Saturday - 038 - 9:55 a.m., Saturday - 012 - 8:00 a.m., Saturday - 012 - 8:00 a.m., Saturday - 012 - 9:55 a.m., Saturday - 012 - 9:55 a.m., Friday - 028 - 8:00 a.m., Saturday - 003 - 8:00 a.m., Thursday - 092 - 3:05 p.m., Wednesday - 081 - 9:55 a.m., Wednesday - 081 - 9:55 a.m., Thursday - 019 - 9:55 a.m., Thursday - 020 - 1:10 p.m., Thursday - 020 - 1:10 p.m., Friday - 023 - 8:00 a.m., Friday - 023 - 8:00 a.m., Friday - 023 - 8:00 a.m., Wednesday - 081 - 2:35 p.m., Wednesday - 081 - 2:35 p.m., Thursday - 028 - 5:00 p.m., Thursday - 009 - 1:10 p.m., Friday - 006 - 8:00 a.m., Thursday - 073 - 9:55 a.m., Thursday - 073 - 9:55 a.m., Thursday - 073 - 1:10 p.m., Thursday - 073 - 1:10 p.m., Thursday - 073 - 3:05 p.m., Thursday - 073 - 3:05 p.m., Thursday - 073 - 3:05 p.m., Thursday - 073 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Saturday - 093 - 3:05 p.m., Friday - 023 - 1:10 p.m., Friday - 023 - 1:10 p.m., Friday - 023 - 1:10 p.m., Friday - 023 - 1:10 p.m., Friday - 038 - 8:00 a.m., Friday - 094 - 5:00 p.m., Wednesday - 083 - 8:00 a.m., Saturday - 101 - 9:55 a.m., Saturday - 101 - 9:55 a.m., Friday - 041 - 9:55 a.m., Wednesday - 039 - 8:00 a.m., Saturday - 026 - 3:05 p.m., Friday - 038 - 9:55 a.m., Saturday - 074 - 3:05 p.m., Sunday - 037 - 2:00 p.m., Sunday - 037 - 2:00 p.m., Saturday - 074 - 5:00 p.m., Wednesday - 086 - 12:40 p.m., Sunday - 001 - 9:55 a.m., Sunday - 016 - 8:00 a.m., Friday - 090 - 9:55 a.m., Saturday - 038 - 1:10 p.m., Saturday - 038 - 1:10 p.m., Saturday - 047 - 3:05 p.m., Sunday - 038 - 2:00 p.m., Friday - 094 - 3:05 p.m., Friday - 005 - 9:55 a.m., Friday - 005 - 9:55 a.m., Friday - 005 - 1:10 p.m., Thursday - 081 - 1:10 p.m., Thursday - 022 - 5:00 p.m., Saturday - 003 - 9:55 a.m., Thursday - 047 - 1:10 p.m., Thursday - 036 - 3:05 p.m., Thursday - 036 - 3:05 p.m., Thursday - 047 - 3:05 p.m., Wednesday - 082 - 12:40 p.m., Sunday - 052 - 2:00 p.m., Sunday - 052 - 2:00 p.m., Saturday - 034 - 9:55 a.m., Saturday - 039 - 3:05 p.m., Wednesday - 084 - 12:40 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 2:35 p.m., Wednesday - 084 - 2:35 p.m., Saturday - 010 - 1:10 p.m., Saturday - 010 - 1:10 p.m., Saturday - 010 - 1:10 p.m., Saturday - 010 - 1:10 p.m., Friday - 050 - 9:55 a.m., Saturday - 080 - 8:00 a.m., Saturday - 080 - 8:00 a.m., Saturday - 080 - 9:55 a.m., Saturday - 064 - 8:00 a.m., Saturday - 032 - 9:55 a.m., Thursday - 087 - 5:00 p.m., Saturday - 055 - 5:00 p.m., Sunday - 050 - 8:00 a.m., Friday - 041 - 3:05 p.m., Friday - 037 - 1:10 p.m., Friday - 037 - 9:55 a.m., Friday - 028 - 1:10 p.m., Friday - 028 - 1:10 p.m., Saturday - 089 - 9:55 a.m., Thursday - 018 - 3:05 p.m., Thursday - 018 - 3:05 p.m., Thursday - 018 - 3:05 p.m., Thursday - 091 - 9:55 a.m., Saturday - 003 - 5:00 p.m., Thursday - 091 - 1:10 p.m.,

Thursday - 086 - 1:10 p.m., Wednesday - 037 - 2:35 p.m., Wednesday - 066 - 12:40 p.m.,
Wednesday - 066 - 2:35 p.m., Wednesday - 066 - 2:35 p.m., Wednesday - 066 - 2:35 p.m.,
Thursday - 047 - 5:00 p.m., Friday - 006 - 5:00 p.m., Thursday - 095 - 9:55 a.m., Thursday
- 095 - 9:55 a.m., Thursday - 091 - 3:05 p.m., Sunday - 006 - 8:00 a.m., Saturday - 086 -
3:05 p.m., Friday - 001 - 3:05 p.m., Saturday - 081 - 1:10 p.m., Friday - 083 - 5:00 p.m.,
Thursday - 018 - 9:55 a.m., Saturday - 047 - 1:10 p.m., Saturday - 047 - 1:10 p.m.,
Saturday - 047 - 1:10 p.m., Sunday - 070 - 8:00 a.m., Wednesday - 091 - 12:40 p.m.,
Wednesday - 091 - 12:40 p.m., Wednesday - 094 - 8:00 a.m., Wednesday - 094 - 8:00 a.m.,
Wednesday - 094 - 8:00 a.m., Wednesday - 094 - 9:55 a.m., Wednesday - 094 - 9:55 a.m.,
Saturday - 099 - 8:00 a.m., Saturday - 099 - 8:00 a.m., Thursday - 089 - 8:00 a.m., Sunday
- 025 - 2:00 p.m., Sunday - 025 - 2:00 p.m., Sunday - 025 - 2:00 p.m., Thursday - 024 -
9:55 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 9:55 a.m., Thursday - 058 - 1:10
p.m., Thursday - 058 - 1:10 p.m., Friday - 018 - 3:05 p.m., Friday - 018 - 3:05 p.m.
Thursday - 016 - 9:55 a.m., Sunday - 074 - 8:00 a.m., Sunday - 074 - 8:00 a.m., Sunday
074 - 8:00 a.m., Sunday - 074 - 8:00 a.m., Friday - 023 - 5:00 p.m., Friday - 101 - 9:55
a.m., Wednesday - 034 - 12:40 p.m., Friday - 003 - 8:00 a.m., Sunday - 040 - 2:00 p.m.,
Sunday - 040 - 2:00 p.m., Thursday - 082 - 8:00 a.m., Saturday - 063 - 1:10 p.m., Saturday
- 025 - 8:00 a.m., Saturday - 025 - 8:00 a.m., Saturday - 027 - 3:05 p.m., Saturday - 100 -
9:55 a.m., Saturday - 100 - 9:55 a.m., Saturday - 100 - 9:55 a.m., Saturday - 100 - 1:10
p.m., Thursday - 050 - 5:00 p.m., Sunday - 040 - 3:55 p.m., Sunday - 061 - 9:55 a.m.,
Saturday - 103 - 8:00 a.m., Saturday - 099 - 1:10 p.m., Saturday - 099 - 1:10 p.m., Thursday
- 058 - 5:00 p.m., Sunday - 024 - 8:00 a.m., Sunday - 024 - 8:00 a.m., Friday - 018 - 8:00
a.m., Friday - 018 - 8:00 a.m., Friday - 018 - 8:00 a.m., Friday - 018 - 8:00 a.m., Friday -
018 - 9:55 a.m., Friday - 032 - 5:00 p.m., Sunday - 052 - 3:55 p.m., Saturday - 064 - 9:55
a.m., Thursday - 091 - 5:00 p.m., Saturday - 099 - 9:55 a.m., Saturday - 099 - 9:55 a.m.,
Sunday - 069 - 9:55 a.m., Sunday - 069 - 3:55 p.m., Thursday - 072 - 8:00 a.m., Thursday
- 072 - 8:00 a.m., Friday - 088 - 1:10 p.m., Sunday - 041 - 2:00 p.m., Saturday - 008 - 9:55
a.m., Friday - 066 - 9:55 a.m., Sunday - 093 - 8:00 a.m., Sunday - 093 - 8:00 a.m., Sunday
- 093 - 9:55 a.m., Wednesday - 003 - 12:40 p.m., Thursday - 028 - 8:00 a.m., Thursday -
028 - 8:00 a.m., Thursday - 028 - 8:00 a.m., Saturday - 025 - 3:05 p.m., Friday - 034 - 5:00
p.m., Wednesday - 093 - 4:30 p.m., Wednesday - 093 - 4:30 p.m., Thursday - 049 - 1:10
p.m., Wednesday - 089 - 4:30 p.m., Wednesday - 089 - 12:40 p.m., Thursday - 089 - 1:10
p.m., Wednesday - 089 - 8:00 a.m., Friday - 089 - 8:00 a.m., Friday - 089 - 8:00 a.m.,
Wednesday - 039 - 9:55 a.m., Friday - 089 - 3:05 p.m., Friday - 064 - 3:05 p.m., Friday -
047 - 8:00 a.m., Friday - 047 - 8:00 a.m., Saturday - 103 - 1:10 p.m., Thursday - 021 - 9:55
a.m., Thursday - 021 - 1:10 p.m., Thursday - 021 - 3:05 p.m., Thursday - 021 - 3:05 p.m.,
Thursday - 021 - 5:00 p.m., Friday - 021 - 9:55 a.m., Friday - 021 - 8:00 a.m., Friday - 021 -
3:05 p.m., Wednesday - 053 - 4:30 p.m., Thursday - 019 - 3:05 p.m., Thursday - 019 -
3:05 p.m., Thursday - 019 - 3:05 p.m., Friday - 020 - 5:00 p.m., Wednesday - 037 - 12:40
p.m., Wednesday - 066 - 4:30 p.m., Wednesday - 066 - 4:30 p.m., Wednesday - 066 - 4:30
p.m., Thursday - 019 - 5:00 p.m., Thursday - 019 - 5:00 p.m., Thursday - 019 - 5:00 p.m.,
Thursday - 019 - 5:00 p.m., Sunday - 080 - 9:55 a.m., Sunday - 080 - 9:55 a.m., Saturday
- 024 - 3:05 p.m., Friday - 064 - 8:00 a.m., Friday - 064 - 8:00 a.m., Thursday - 063 - 3:05
p.m., Thursday - 063 - 3:05 p.m., Sunday - 047 - 8:00 a.m., Sunday - 047 - 8:00 a.m.,
Thursday - 092 - 8:00 a.m., Thursday - 092 - 8:00 a.m., Sunday - 092 - 3:55 p.m., Saturday
- 063 - 5:00 p.m., Saturday - 028 - 9:55 a.m., Saturday - 028 - 1:10 p.m., Saturday - 092 -
1:10 p.m., Saturday - 092 - 1:10 p.m., Thursday - 024 - 5:00 p.m., Friday - 057 - 9:55 a.m.,
Sunday - 020 - 2:00 p.m., Friday - 062 - 8:00 a.m., Saturday - 082 - 1:10 p.m., Friday - 082 -
1:10 p.m., Friday - 082 - 1:10 p.m., Saturday - 064 - 5:00 p.m., Sunday - 053 - 9:55 a.m.,
Sunday - 057 - 2:00 p.m., Sunday - 057 - 2:00 p.m., Saturday - 062 - 5:00 p.m., Friday -
049 - 8:00 a.m., Sunday - 054 - 2:00 p.m., Sunday - 054 - 2:00 p.m., Saturday - 056 - 5:00
p.m., Sunday - 060 - 2:00 p.m., Friday - 056 - 5:00 p.m., Friday - 083 - 1:10 p.m., Saturday
- 083 - 1:10 p.m., Saturday - 083 - 1:10 p.m., Sunday - 089 - 8:00 a.m., Saturday - 083 -
8:00 a.m., Saturday - 083 - 9:55 a.m., Saturday - 083 - 9:55 a.m., Thursday - 083 - 3:05
p.m., Saturday - 082 - 9:55 a.m., Saturday - 082 - 9:55 a.m., Saturday - 058 - 1:10 p.m.,
Friday - 049 - 9:55 a.m., Wednesday - 058 - 8:00 a.m., Wednesday - 058 - 8:00 a.m.,
Wednesday - 058 - 8:00 a.m., Saturday - 049 - 8:00 a.m., Saturday - 058 - 9:55 a.m.,
Saturday - 058 - 9:55 a.m., Saturday - 058 - 9:55 a.m., Sunday - 053 - 2:00 p.m., Sunday
- 053 - 2:00 p.m., Sunday - 053 - 2:00 p.m., Sunday - 053 - 2:00 p.m., Saturday - 100 - 3:05
p.m., Saturday - 100 - 3:05 p.m., Saturday - 100 - 3:05 p.m., Thursday - 051 - 1:10 p.m.,
Thursday - 051 - 1:10 p.m., Friday - 033.5 - 8:00 a.m., Thursday - 033.5 - 9:55 a.m., Friday
- 033.5 - 9:55 a.m., Thursday - 033.5 - 3:05 p.m., Wednesday - 033.5 - 2:35 p.m.,
Wednesday - 033.5 - 2:35 p.m., Sunday - 041 - 3:55 p.m., Sunday - 041 - 3:55 p.m., Friday
- 043.1 - 8:00 a.m., Friday - 043.1 - 8:00 a.m., Thursday - 043.2 - 3:05 p.m., Thursday -
043.2 - 3:05 p.m., Friday - 043.2 - 9:55 a.m., Friday - 043.2 - 9:55 a.m., Friday - 043.3 -
9:55 a.m., Friday - 043.3 - 9:55 a.m., Friday - 043.3 - 9:55 a.m., Saturday - 043.3 - 8:00
a.m., Saturday - 043.3 - 8:00 a.m., Friday - 043.1 - 9:55 a.m., Thursday - 043.1 - 9:55 a.m.,
Thursday - 043.3 - 3:05 p.m., Thursday - 043.3 - 3:05 p.m., Saturday - 043.3 - 9:55 a.m.,
Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.,
Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.,
Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.,
Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.

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TOPICAL INDEX

Friday - 043.3 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Friday - 043.4 - 3:05 p.m., Saturday - 043.6 - 8:00 a.m., Friday - 043.2 - 1:10 p.m., Friday - 043.2 - 1:10 p.m.

Wine

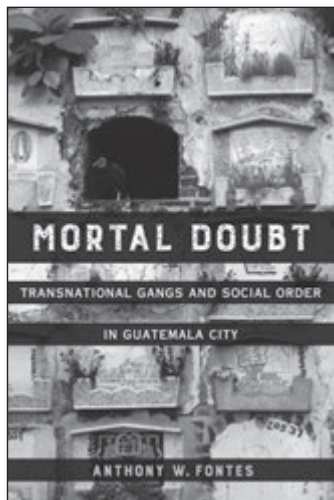
Friday - 009 - 9:55 a.m., Thursday - 026 - 8:00 a.m., Thursday - 026 - 8:00 a.m., Thursday - 026 - 9:55 a.m., Thursday - 026 - 9:55 a.m., Friday - 026 - 8:00 a.m., Friday - 026 - 8:00 a.m., Friday - 026 - 8:00 a.m., Friday - 026 - 9:55 a.m., Saturday - 005 - 3:05 p.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.1 - 8:00 a.m., Thursday - 043.2 - 9:55 a.m.

Women

Thursday - 007 - 8:00 a.m., Friday - 037 - 5:00 p.m., Saturday - 004 - 9:55 a.m., Friday - 102 - 8:00 a.m., Saturday - 056 - 9:55 a.m., Thursday - 093 - 8:00 a.m., Sunday - 016 - 2:00 p.m., Friday - 103 - 3:05 p.m., Friday - 103 - 3:05 p.m., Sunday - 024 - 2:00 p.m., Thursday - 012 - 5:00 p.m., Thursday - 019 - 8:00 a.m., Thursday - 038 - 8:00 a.m., Friday - 035 - 1:10 p.m., Friday - 064 - 9:55 a.m., Thursday - 034 - 8:00 a.m., Thursday - 034 - 1:10 p.m., Wednesday - 086 - 8:00 a.m., Thursday - 053 - 8:00 a.m., Sunday - 016 - 3:55 p.m., Saturday - 064 - 1:10 p.m., Friday - 005 - 9:55 a.m., Wednesday - 041 - 4:30 p.m., Thursday - 047 - 1:10 p.m., Saturday - 039 - 3:05 p.m., Saturday - 039 - 3:05 p.m., Saturday - 039 - 3:05 p.m., Saturday - 055 - 5:00 p.m., Sunday - 058 - 2:00 p.m., Friday - 099 - 1:10 p.m., Saturday - 089 - 9:55 a.m., Sunday - 006 - 9:55 a.m., Friday - 035 - 9:55 a.m., Friday - 012 - 3:05 p.m., Friday - 101 - 8:00 a.m., Friday - 003 - 1:10 p.m., Friday - 066 - 1:10 p.m., Wednesday - 049 - 12:40 p.m., Friday - 093 - 8:00 a.m., Friday - 089 - 1:10 p.m., Friday - 089 - 1:10 p.m., Friday - 089 - 1:10 p.m., Friday - 089 - 9:55 a.m., Friday - 083 - 3:05 p.m., Friday - 083 - 8:00 a.m., Friday - 033.5 - 9:55 a.m., Friday - 033.5 - 9:55 a.m., Saturday - 043.3 - 9:55 a.m.

NOTES

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Megan Ryburn

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Alex Rosenblat

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Irus Braverman

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Alexandrea J. Ravenelle

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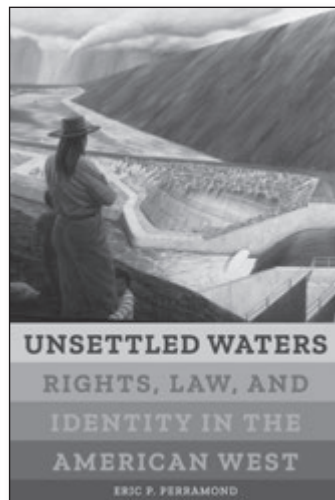
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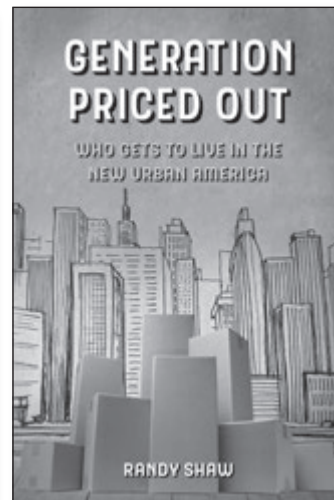
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Megan Ybarra

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Don't forget these two important steps found within the Settings (gear icon near top right) when starting to use your app:

1. Set up your profile by selecting MyProfile and fill in your information. When finished, scroll to the bottom, check the box to publish your profile and save.
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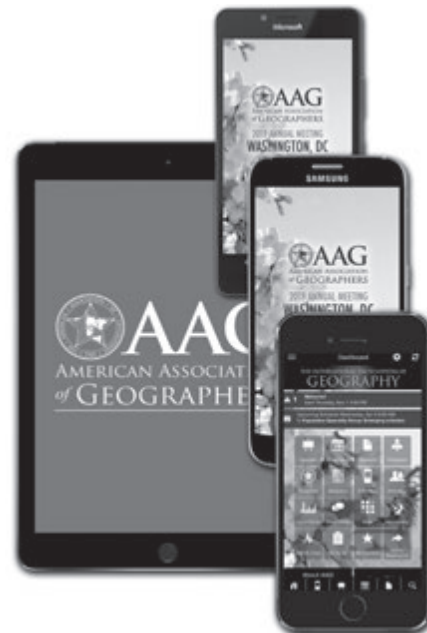
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- **My Schedule** - When browsing sessions and abstracts, tap the star icon on events to add and save them to your calendar.
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