

THE AMERICAN ASSOCIATION OF GEOGRAPHERS



2016 Annual Meeting
March 29 - April 2, 2016
San Francisco, California

PROGRAM

The American Association of Geographers
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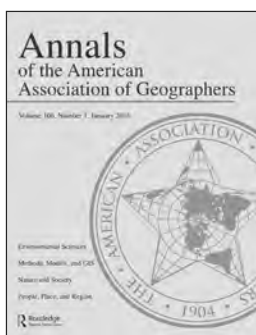


AAG

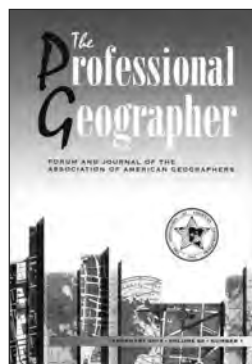
AMERICAN ASSOCIATION
of GEOGRAPHERS

Geography's Leading Journals

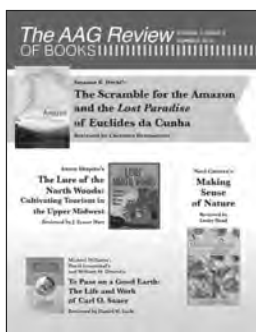
AAG members receive all of these AAG journals free.



The *Annals of the American Association of Geographers* publishes original, timely, and innovative peer-reviewed articles that advance knowledge in all facets of the discipline. Articles are divided into four thematic sections: Environmental Sciences; Methods, Models, and GIS; Nature and Society; and People, Place and Region.



The Professional Geographer publishes short articles on academic or applied geography, emphasizing empirical studies and methodologies. The journal provides a forum for new ideas and alternative viewpoints.



The AAG Review of Books, a quarterly online journal, contains reviews of current books related to geography, public policy and international affairs, and also features review essays and book review fora.



NEW JOURNAL!

GeoHumanities is the AAG's newest journal and presents a new opportunity for publishing interdisciplinary scholarship. The journal features full length scholarly articles and shorter creative pieces that cross over between the academy and creative practice.

**To access the AAG journals online,
log in at www.aag.org/journals.**



THE WHITE HOUSE
WASHINGTON

March 4, 2016

I send greetings to all those attending the American Association of Geographers (AAG) Annual Meeting.

America has always been driven forward by those who push the boundaries of what is known, give the dreams we envision the chance to flourish, and use the wisdom that is born out of our restless curiosity to shape a better future. Geographers like you help us face the problems of the 21st century and chart the ever-changing world we live in, and this year's AAG Annual Meeting will enable some of our Nation's brightest to come together to exchange ideas, learn from one another, and make advancements in the field of geography.

As you reflect on the ways your work has helped us understand our planet and build a more sustainable world, I wish you all the best.

A handwritten signature in black ink, appearing to be "Barack Obama", written in a cursive style.

AAG 2016 San Francisco Mobile App Cheat Sheet

Welcome to the AAG Mobile App! There are a few steps you should do first to take advantage of all of the benefits of the app:

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.
2. If you will be using two mobile devices, select the Multi Device Sync. On your primary device, select First Device and enter your desired information. Then, on your second device, navigate to the same area and select Additional Device and enter the email and password you used on your primary device. *Set up your profile **ONLY** on your **primary device** and it will sync to your second device.*

Your dashboard is the command center: From here, you can navigate to:

- **My Schedule:** A customized list of events that you want to attend. (Just tap the star icon on events you want to remember and it will appear in your calendar.)
- **Exhibitors:** An interactive list of all the companies exhibiting at your show. (Tap the star icon to bookmark booths you want to highlight.)
- **Maps:** Detailed floor maps where events are taking place.
- **Sessions:** A complete and up-to-date agenda of events at the show.
- **Participants:** Everyone presenting is listed with links to their events.
- **Social Media:** Keep up to date on all of your Twitter, Facebook and LinkedIn buzz, and share your pictures in the photo gallery.
- **Message Center:** Tap on the three stacked bars in the upper left and you'll see a sidebar. From here you can view/invite friends to the app, change your status, email all of your notes and get alerts that are pushed right to your device, so you won't miss a thing.

Important Buttons:

- The settings (the gear in the upper left) gives you access to your profile and lets you customize how your app functions.
- The refresh button (circular arrows in the upper left) downloads the latest data updates from the server. It will turn red if new data is available. When in doubt, do a refresh.



Troubleshooting:

If you're only using one mobile device and want to ensure you have a backup in case you need to reinstall, make sure to follow these steps first: navigate to your settings and choose Send Backup to Support. An email message will appear with your specific code. Tap Send and your backup will be sent to Core-apps support. They will be able to help you recover your data.

You may also use the app on your computer: <http://m.core-apps.com/aagmeetings>

Questions? Email support@core-apps.com



TIP: To return to your dashboard, simply tap the home button in the upper left toolbar to get you there. Other frequently-used areas (Exhibitors, Sessions, My Schedule, Abstracts and Search) are also just a tap away via this toolbar at the top.

TIP: Use your tablet in landscape mode to fully utilize the wider screen area for the app.

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

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 Jerry Davis, San Francisco State University
 Kate Davis, San Jose State University
 Michael Dear, University of California, Berkeley
 Lindsey Dillon, University of California, Davis
 Kelly Easterday, University of California, Berkeley
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 Maggi Kelly, University of California, Berkeley
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 Lester Rowntree, University of California, Berkeley
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 Arvind Bhuta, USDA - US Forest Service
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 Mark Revell, American Association of Geographers
 Gaurav Sinha, Ohio University
 Lucy Stanfield, US Environmental Protection Agency
 Julie Urbanik, Mustela Vision Productions
 Jodi Vender, Pennsylvania State University
 Jonathan Wessell, Grand Valley State University

GENERAL INFORMATION

ACCESSIBILITY

In support of the Americans with Disabilities Act, the AAG and its contracted facilities will accommodate reasonable requests for accessibility to the extent possible. Individuals requiring special accommodations are asked to make their specific needs known to the AAG or to the facilities.

ALCOHOL

The AAG expects all attendees to act responsibly when consuming alcoholic beverages. Consumption of alcohol by those under the age of 21 is prohibited.

BAGS/COATS/PACKAGES

For security reasons, the AAG is unable to hold attendees' bags, packages, briefcases, coats, laptops or other personal items at registration. For your own safety and the security of your belongings, we strongly recommend checking these items at a hotel bell stand.

CHILD CARE

The AAG is providing full-time, professionally managed and staffed onsite childcare services for the 2016 Annual Meeting in San Francisco, at the San Francisco Hilton Hotel from March 29 to April 2 in room Union Square 23-24 on the Fourth Floor.

The onsite childcare services will be provided by Accent on Children's Arrangements, Inc. (ACCENT) www.accentoca.com, which will design and run a children's program called CAMP AAG.

CAMP AAG will offer age-appropriate activities for children ranging from 6 months to 12 years of age (separated into age-appropriate groups) including curriculum-enriched, hands-on, creative activities, arts & crafts projects, active games, and more.

ACCENT will staff CAMP AAG with teacher professional child care providers who have completed ACCENT's specialized training program. In addition, ACCENT's onsite supervisors are CPR and Pediatric First Aid certified.

CAMP AAG will run for all five Annual Meeting days as follows:

Tuesday, March 29	7:30 am – 8:00 pm
Wednesday, March 30	7:30 am – 7:30 pm
Thursday, March 31	7:30 am – 7:30 pm
Friday, April 1	7:30 am – 7:30 pm
Saturday, April 2	7:30 am – 6:00 pm

The AAG will cover all of the very substantial overall costs to hire ACCENT to establish and staff the onsite childcare facility, and will also subsidize their hourly childcare rates by 50%. ACCENT's reduced hourly rate for childcare is \$6 for children ages 6 months to 3 years and \$5 for children ages 3 to 12 years.

The AAG is making this investment to respond to the needs and requests shared with us over the past years. We look forward to making it possible for more families to enjoy their time at the AAG Annual Meetings. We are pleased to provide this childcare facility in San Francisco.

LACTATION ROOM

For the benefit of nursing mothers, AAG has provided a lactation room for this year's annual meeting. Please visit the volunteer desk, in the Yosemite Foyer on the Second Level of Tower 2 in the San Francisco Hilton Union Square Hotel, for more information.

CONFERENCE VOLUNTEERS

Please report to the Conference Volunteer Desk next to the AAG Registration Desk located in the Yosemite Foyer, on the Second Level, Tower 2 of the San Francisco Hilton Union Square Hotel, no later than 20 minutes prior to your first scheduled shift. Upon check in you will receive all pertinent information and instructions regarding your duties.

EXHIBITS

A vital part of the AAG Annual Meeting is the exhibit hall, where AAG members and attendees can see the latest tools in teaching, field research, graphic applications, computer modeling, and data collection and analysis. Learn about the most recent technical advances in the field, including cartography, GIS, and GPS. You'll also be able to view geography-related textbooks and publications while meeting with publishers.

The AAG Annual Meeting Exhibit Hall is located in the Grand Ballroom, on the Grand Ballroom Level of the Hilton. See pages 82-84 for an AAG Exhibit Hall floor plan and list of exhibitors.

EXHIBIT HALL HOURS

Wednesday, March 30	11:30 a.m. – 7:00 p.m.	Exhibit Hall Open
Thursday, March 31	11:30 a.m. – 7:00 p.m.	Exhibit Hall Open
	4:00 p.m. – 7:00 p.m.	<i>Physical Geography, Challenges of the "Anthropocene" reception in the Hall</i>
Friday, April 1	9:30 a.m. – 1:00 p.m.	Exhibit Hall Open

EXHIBIT HALL TWITTER SCAVENGER HUNT

Take a selfie with your favorite exhibitor at @theAAG and enter to win a free registration to the 2017 AAG Annual Meeting in Boston! Don't forget to use the contest hashtag #AAG16Selfie. Tweet your photo no later than Friday, April 1 to be included in the drawing!

GENERAL INFORMATION

FIELD TRIPS AND WORKSHOPS

All field trips require advance registration. Please visit the AAG Registration Desk, in the Yosemite Foyer on the Second Level of Tower 2 in the San Francisco Hilton Union Square Hotel, to register for a workshop. Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel. We recommend arriving 15 minutes prior to your field trip start time to ensure a timely departure.

INTERNET ACCESS

There is complimentary wireless internet access for attendees in the San Francisco Hilton Union Square Hotel and the San Francisco Marker Hotel. To access, follow these instructions:

Hilton: Select network Hilton Events; Enter password aag2016.

Marker: Select network Marker; Enter password 501.

MEETING VENUES

Sessions, workshops and special events will take place at four San Francisco Properties: San Francisco Hilton Union Square Hotel, the San Francisco Marker Hotel, The Nikko San Francisco Hotel and the JW Marriott San Francisco Union Square.

Hilton San Francisco Union Square Hotel

333 O'Farrell Street
San Francisco, CA 94102
415-771-1400

The Marker Hotel San Francisco

501 Geary Street
San Francisco, CA 94102
415-292-0100

Hotel Nikko San Francisco

222 Mason Street
San Francisco, CA 94102
415-394-1111

JW Marriott San Francisco Union Square

515 Mason Street
San Francisco, CA 94102
415-771-8600

To access the Marker Hotel San Francisco

Depart the Hilton Hotel and turn right on Taylor St toward O'Farrell St. Go straight for about one and a half blocks. Turn left onto Geary St and the Marker Hotel will be on the left.

To access the Hotel Nikko San Francisco

Depart the Hilton Hotel south on Mason St toward Ellis St. Go about half a block and the Nikko should be in front of you.

To access the JW Marriott San Francisco Union Square

Depart the Hilton Hotel and turn left on Mason St toward O'Farrell St. Go straight for about two and a half blocks. Turn left onto Post St and the JW Marriott will be on the right. Attendees will need to show their AAG conference badges in order to access meeting rooms at the JW Marriott.

MOBILITY ASSISTANCE

Visit the Conference Volunteer desk next to the AAG Registration Desk, located in the Yosemite Foyer, on the Second Level, Tower 2 of the San Francisco Hilton Union Square Hotel, to arrange mobility assistance. You may also request assistance from any Conference Volunteer stationed in the lobbies of the hotels.

NON-SMOKING POLICY

The AAG maintains a non-smoking policy in all meeting rooms, the exhibit area, and the registration area. Smoking is allowed only in designated smoking areas of the facilities.

PHOTOGRAPHY AND VIDEOGRAPHY IN SESSIONS

Photos may not be taken during paper or poster presentations without the permission of the presenter. Anyone taking a photo or video without permission will be asked to leave the conference.

PRESENTATION CONTENT

The Annual Meeting of the American Association of Geographers is an open forum for sharing the results of research and teaching in geography and related specialties. The contents of annual meeting presentations by individuals or groups at the annual meeting are theirs alone. The American Association of Geographers neither endorses nor disclaims the conclusions, interpretations, or opinions expressed by speakers at its annual meeting.

PROFESSIONAL CONDUCT

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.

REGISTRATION

The AAG Registration Desk is located in the Yosemite Foyer of the Hilton San Francisco Union Square Hotel. Registration will be open during the following hours:

Monday, March 28	4:00 p.m. - 7:00 p.m.
Tuesday, March 29	7:00 a.m. - 7:30 p.m.
Wednesday, March 30	7:00 a.m. - 6:00 p.m.
Thursday, March 31	7:30 a.m. - 5:30 p.m.
Friday, April 1	7:45 a.m. - 5:00 p.m.
Saturday, April 2	7:45 a.m. - 11:00 a.m.

SESSION CHAIRS

See instructions on page 90.

HILTON HOTEL

Location of Meeting Rooms

See pages 92-93 for the Key to Room Numbers and Session Numbers.

Rooms by Level/Floor:

Level/Floor	Room Name	Room Code#
Lobby Level	Golden Gate 1	1
Lobby Level	Golden Gate 2	2
Lobby Level	Golden Gate 3	3
Lobby Level	Golden Gate 4	4
Lobby Level	Golden Gate 5	5
Lobby Level	Golden Gate 6	6
Lobby Level	Golden Gate 7	7
Lobby Level	Golden Gate 8	8
Lobby Level	Plaza Room A	9
Lobby Level	Plaza Room B	10
Ballroom Level	Continental 1	11
Ballroom Level	Continental 2	12
Ballroom Level	Continental 3	13
Ballroom Level	Continental 4	14
Ballroom Level	Continental 5	15
Ballroom Level	Continental 6	16
Ballroom Level	Continental 7	17
Ballroom Level	Continental 8	18
Ballroom Level	Continental 9	19
Ballroom Level	Franciscan A	20
Ballroom Level	Franciscan B	21
Ballroom Level	Franciscan C	22
Ballroom Level	Franciscan D	23
Ballroom Level	Imperial A	24
Ballroom Level	Imperial B	25
Ballroom Level	Yosemite A	26
Ballroom Level	Yosemite B	27
4th Floor	Union Square 1	28
4th Floor	Union Square 2	29
4th Floor	Union Square 3	30
4th Floor	Union Square 4	31
4th Floor	Union Square 5	32
4th Floor	Union Square 6	33
4th Floor	Union Square 7	34
4th Floor	Union Square 8	35
4th Floor	Union Square 9	36
4th Floor	Union Square 10	37
4th Floor	Union Square 11	38
4th Floor	Union Square 12	39
4th Floor	Union Square 13	40
4th Floor	Union Square 14	41
4th Floor	Union Square 15	42
4th Floor	Union Square 16	43
4th Floor	Union Square 17	44
4th Floor	Union Square 18	45
4th Floor	Union Square 19	46
4th Floor	Union Square 20	47
4th Floor	Union Square 21	48
4th Floor	Union Square 22	49
4th Floor	Union Square 25	50
6th Floor	Mason Room A	51
6th Floor	Mason Room B	52
6th Floor	Powell Room A	53
6th Floor	Powell Room B	54
6th Floor	Sutter Room A	55
6th Floor	Sutter Room B	56
6th Floor	Taylor Room A	57
6th Floor	Taylor Room B	58
6th Floor	Lombard Room	59
6th Floor	VanNess Room	60
Grand Ballroom Level	Grand Ballroom A&B	61

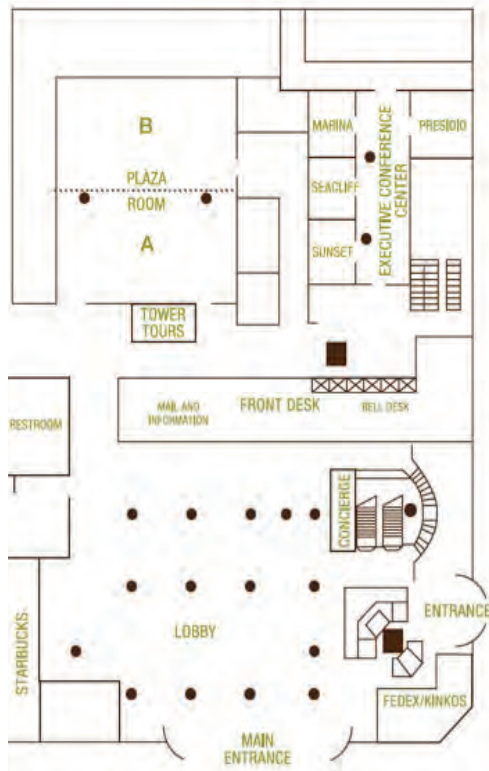
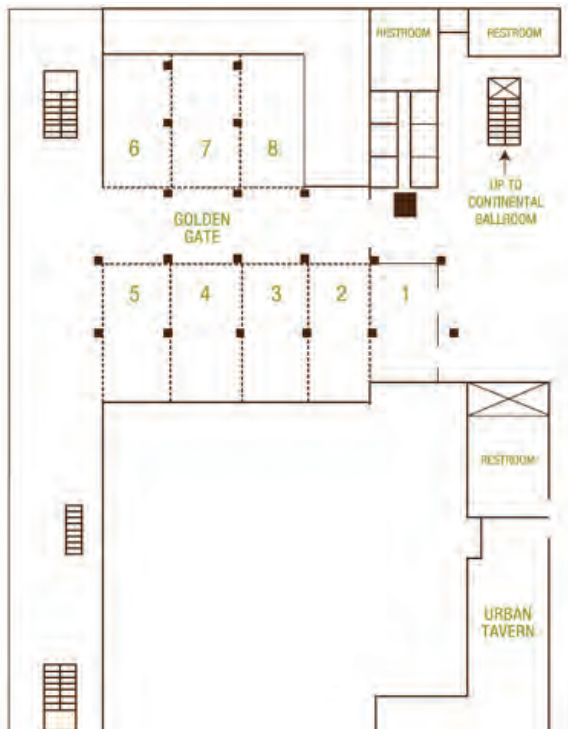
Rooms Alphabetically:

Room Name	Level/Floor	Room Code#
Continental 1	Ballroom Level	11
Continental 2	Ballroom Level	12
Continental 3	Ballroom Level	13
Continental 4	Ballroom Level	14
Continental 5	Ballroom Level	15
Continental 6	Ballroom Level	16
Continental 7	Ballroom Level	17
Continental 8	Ballroom Level	18
Continental 9	Ballroom Level	19
Franciscan A	Ballroom Level	20
Franciscan B	Ballroom Level	21
Franciscan C	Ballroom Level	22
Franciscan D	Ballroom Level	23
Golden Gate 1	Lobby Level	1
Golden Gate 2	Lobby Level	2
Golden Gate 3	Lobby Level	3
Golden Gate 4	Lobby Level	4
Golden Gate 5	Lobby Level	5
Golden Gate 6	Lobby Level	6
Golden Gate 7	Lobby Level	7
Golden Gate 8	Lobby Level	8
Grand Ballroom A&B	Grand Ballroom Level	61
Imperial A	Ballroom Level	24
Imperial B	Ballroom Level	25
Lombard Room	6th Floor	59
Mason Room A	6th Floor	51
Mason Room B	6th Floor	52
Plaza Room A	Lobby Level	9
Plaza Room B	Lobby Level	10
Powell Room A	6th Floor	53
Powell Room B	6th Floor	54
Sutter Room A	6th Floor	55
Sutter Room B	6th Floor	56
Taylor Room A	6th Floor	57
Taylor Room B	6th Floor	58
Union Square 1	4th Floor	28
Union Square 2	4th Floor	29
Union Square 3	4th Floor	30
Union Square 4	4th Floor	31
Union Square 5	4th Floor	32
Union Square 6	4th Floor	33
Union Square 7	4th Floor	34
Union Square 8	4th Floor	35
Union Square 9	4th Floor	36
Union Square 10	4th Floor	37
Union Square 11	4th Floor	38
Union Square 12	4th Floor	39
Union Square 13	4th Floor	40
Union Square 14	4th Floor	41
Union Square 15	4th Floor	42
Union Square 16	4th Floor	43
Union Square 17	4th Floor	44
Union Square 18	4th Floor	45
Union Square 19	4th Floor	46
Union Square 20	4th Floor	47
Union Square 21	4th Floor	48
Union Square 22	4th Floor	49
Union Square 25	4th Floor	50
VanNess Room	6th Floor	60
Yosemite A	Ballroom Level	26
Yosemite B	Ballroom Level	27

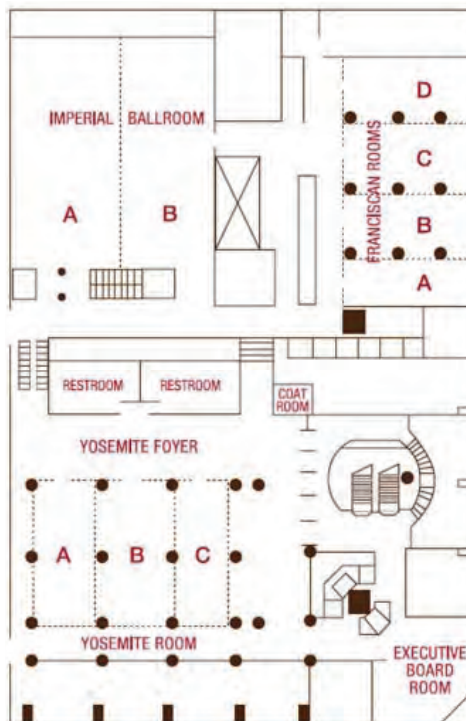
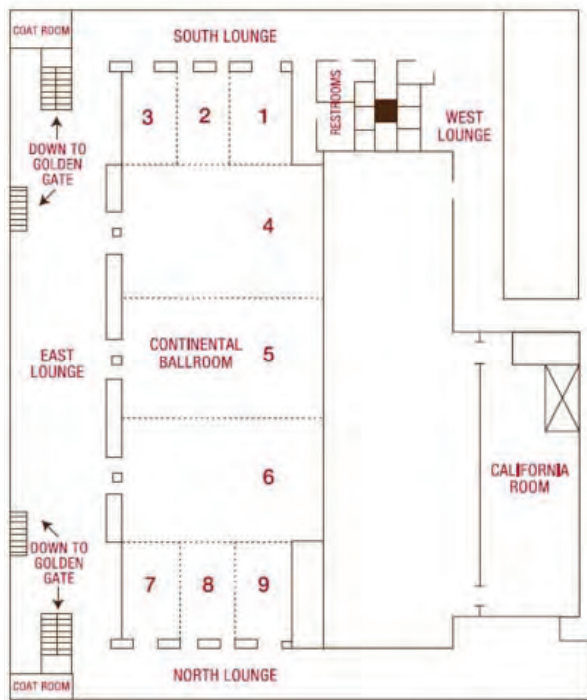
HILTON HOTEL

Floor Plans - Lobby and Ballroom Levels

Lobby Level:



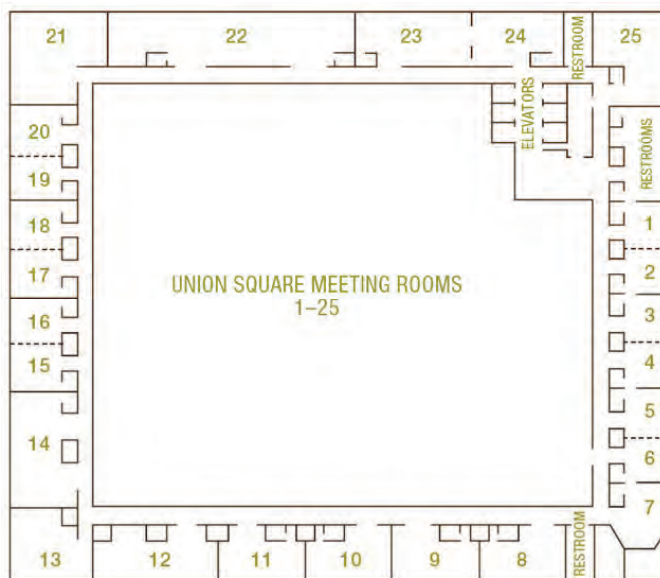
Ballroom Level:



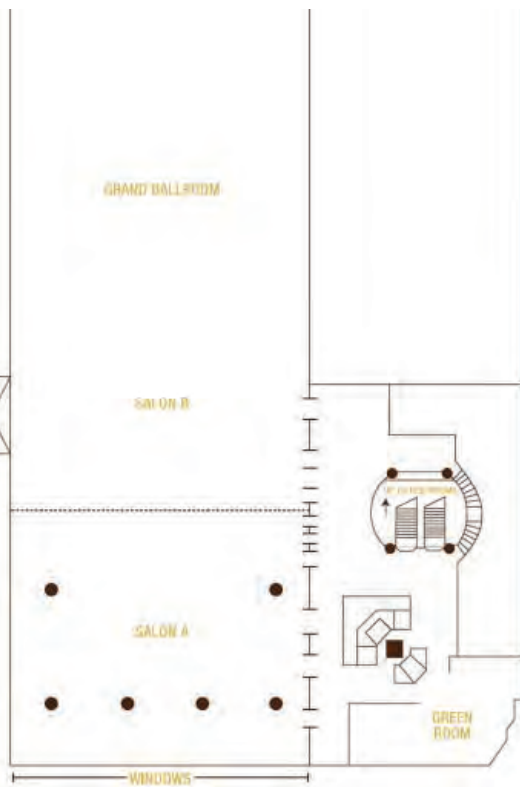
HILTON HOTEL

Floor Plans - 4th Floor, 6th Floor and Grand Ballroom Level

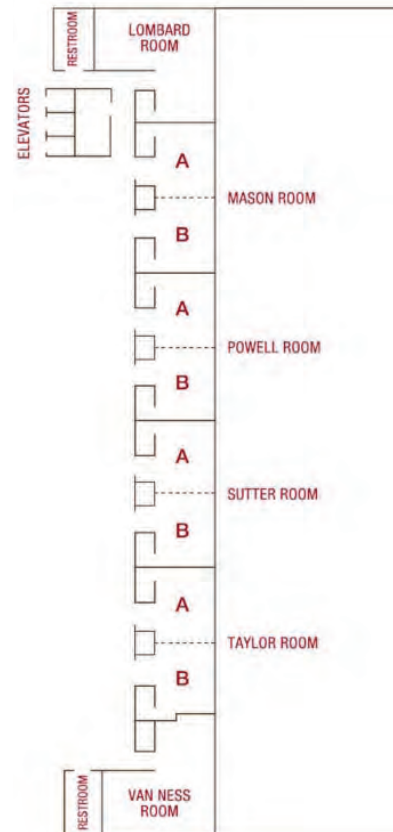
4th Floor:



Grand Ballroom Level:



6th Floor:

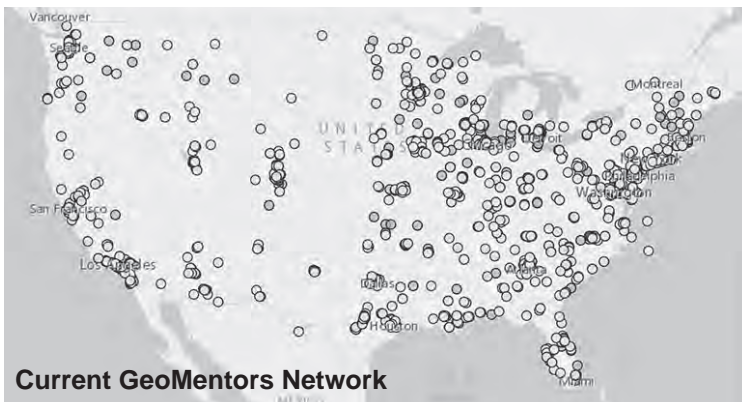


GIVING BACK

Be a GeoMentor

What is the AAG/Esri ConnectED GeoMentors Program?

Esri and the Association of American Geographers (AAG) are working together to develop a nationwide network of GeoMentors to support the U.S. Department of Education's ConnectED Program, for which Esri has agreed to donate free GIS software to all K–12 schools in the U.S. GeoMentors will help schools and teachers introduce GIS and associated geographic concepts into classrooms across the country.

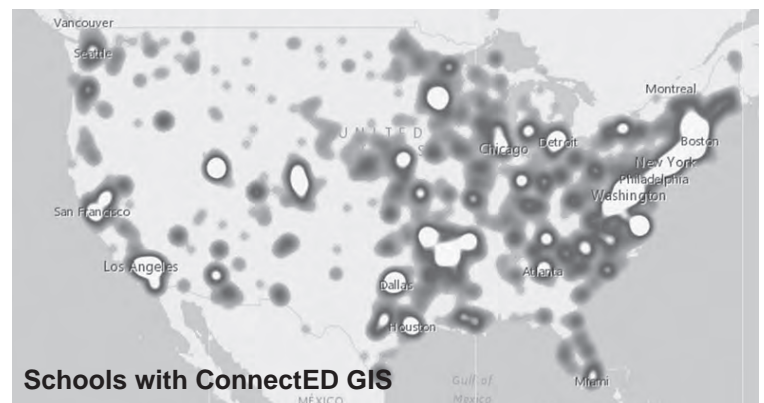


Who can be a GeoMentor?

From GIS practitioners and graduate students, to professors and geographic information scientists, we welcome the entire GIS community to volunteer their skills and experience as GeoMentors.

What do GeoMentors do?

As a GeoMentor, you will play a pivotal role in improving GIS and geography education. GeoMentors will have access to online materials to help teachers and schools incorporate GIS and geographic learning into their classroom.



To become a GeoMentor, visit

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and click Participate



HOTEL NIKKO

Location of Meeting Rooms and Floor Plans

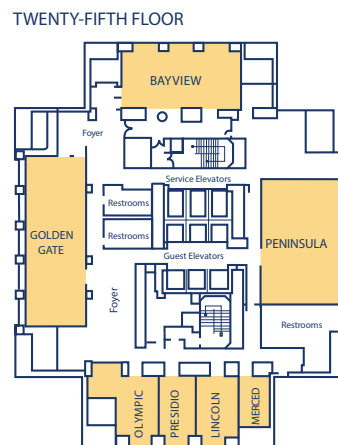
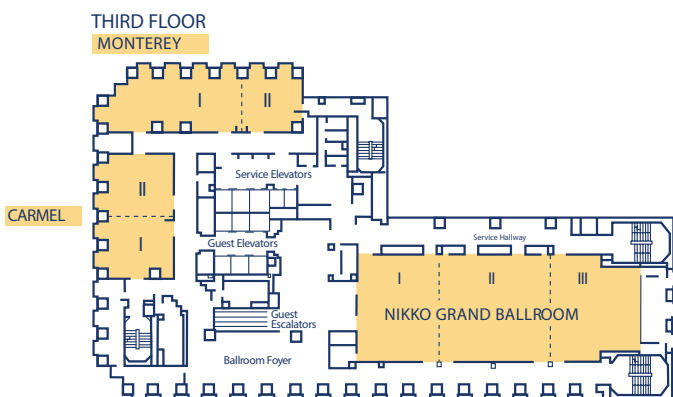
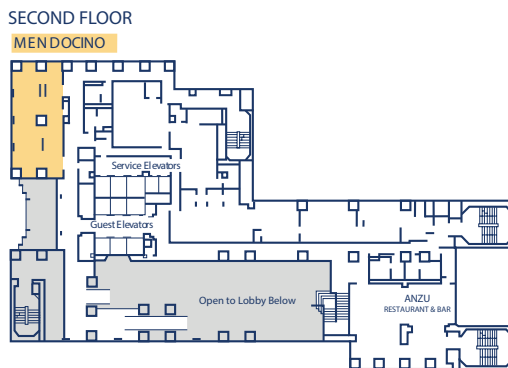
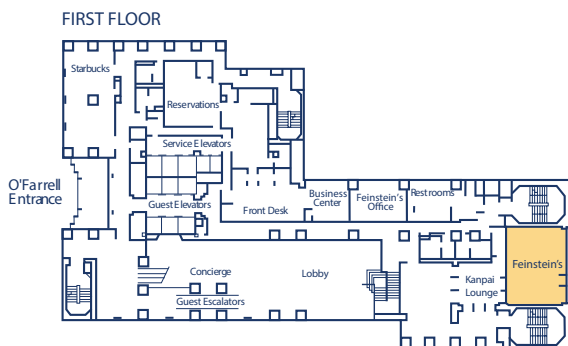
See pages 92-93 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

Level	Room Name	Room Code#
2nd Floor	Mendocino I	62
2nd Floor	Mendocino II	63
3rd Floor	Nikko I	64
3rd Floor	Nikko II	65
3rd Floor	Nikko III	66
3rd Floor	Monterey I	67
3rd Floor	Monterey II	68
3rd Floor	Carmel I	69
3rd Floor	Carmel II	70
25th Floor	Golden Gate Room	71
25th Floor	Bay View Room	72
25th Floor	Peninsula Room	73
25th Floor	Presidio Room	NA
25th Floor	Olympic Room	NA
25th Floor	Lincoln Room	NA
25th Floor	Merced	NA

Rooms Alphabetically:

Room Name	Level	Room Code#
Bay View Room	25th Floor	72
Carmel I	3rd Floor	69
Carmel II	3rd Floor	70
Golden Gate Room	25th Floor	71
Mendocino I	2nd Floor	62
Mendocino II	2nd Floor	63
Monterey I	3rd Floor	67
Monterey II	3rd Floor	68
Nikko I	3rd Floor	64
Nikko II	3rd Floor	65
Nikko III	3rd Floor	66
Peninsula Room	25th Floor	73
Presidio Room	25th Floor	NA
Olympic Room	25th Floor	NA
Lincoln Room	25th Floor	NA
Merced	25th Floor	NA



MARKER HOTEL

Location of Meeting Rooms and Floor Plans

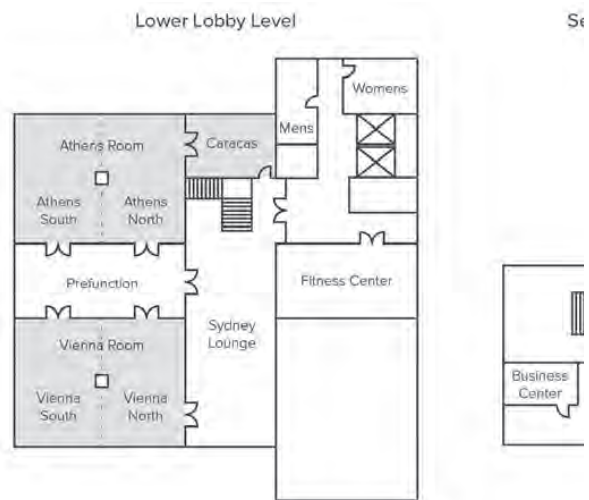
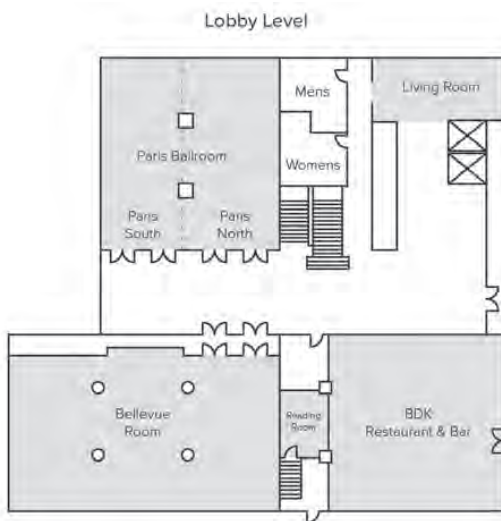
See pages 92-93 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

Level	Room Name	Room Code#
Lobby Level	Bellevue Room	74
Lobby Level	Paris North	75
Lobby Level	Paris South	76
Lower Level	Athens North	77
Lower Level	Athens South	78
Lower Level	Vienna North	79
Lower Level	Vienna South	80
Lower Level	Caracas	81
2nd Floor	Beijing	82
2nd Floor	Tokyo Boardroom	NA

Rooms Alphabetically:

Room Name	Level	Room Code#
Athens North	Lower Level	77
Athens South	Lower Level	78
Beijing	2nd Floor	82
Bellevue Room	Lobby Level	74
Caracas	Lower Level	81
Paris North	Lobby Level	75
Paris South	Lobby Level	76
Tokyo Boardroom	2nd Floor	NA
Vienna North	Lower Level	79
Vienna South	Lower Level	80



JW MARRIOTT HOTEL

Location of Meeting Rooms and Floor Plans

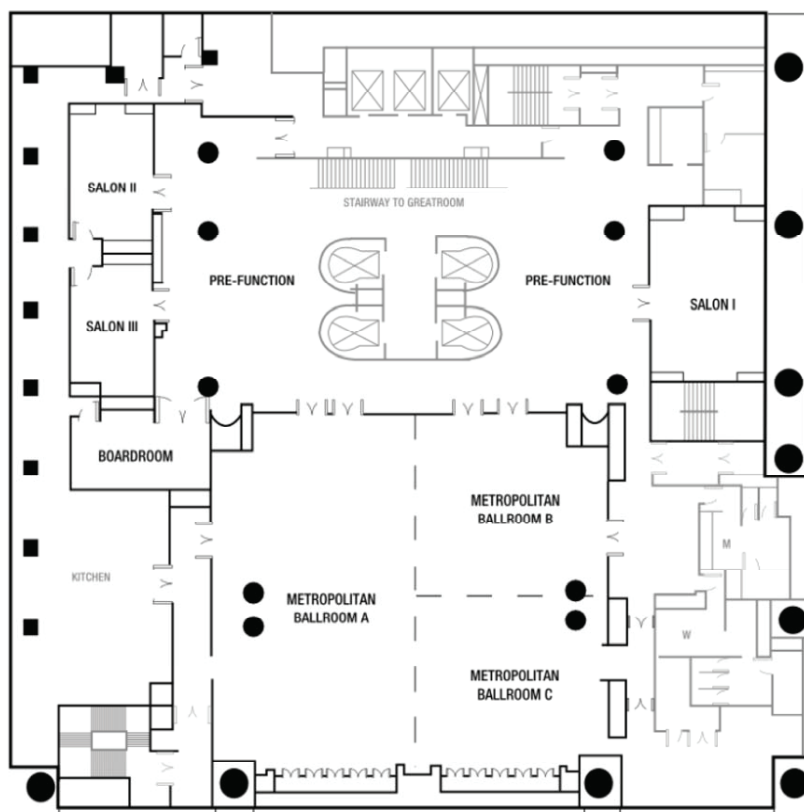
See pages 92-93 for the Key to Room Numbers and Session Numbers.

Rooms by Floor:

Level	Room Name	Room Code#
2nd Floor	Metropolitan A	83
2nd Floor	Metropolitan B	84
2nd Floor	Metropolitan C	85
2nd Floor	Salon I	86
2nd Floor	Salon II	87
2nd Floor	Salon III	88

Rooms Alphabetically:

Room Name	Level	Room Code#
Metropolitan A	2nd Floor	83
Metropolitan B	2nd Floor	84
Metropolitan C	2nd Floor	85
Salon I	2nd Floor	86
Salon II	2nd Floor	87
Salon III	2nd Floor	88



JOIN TODAY!

Limited Time Offer!

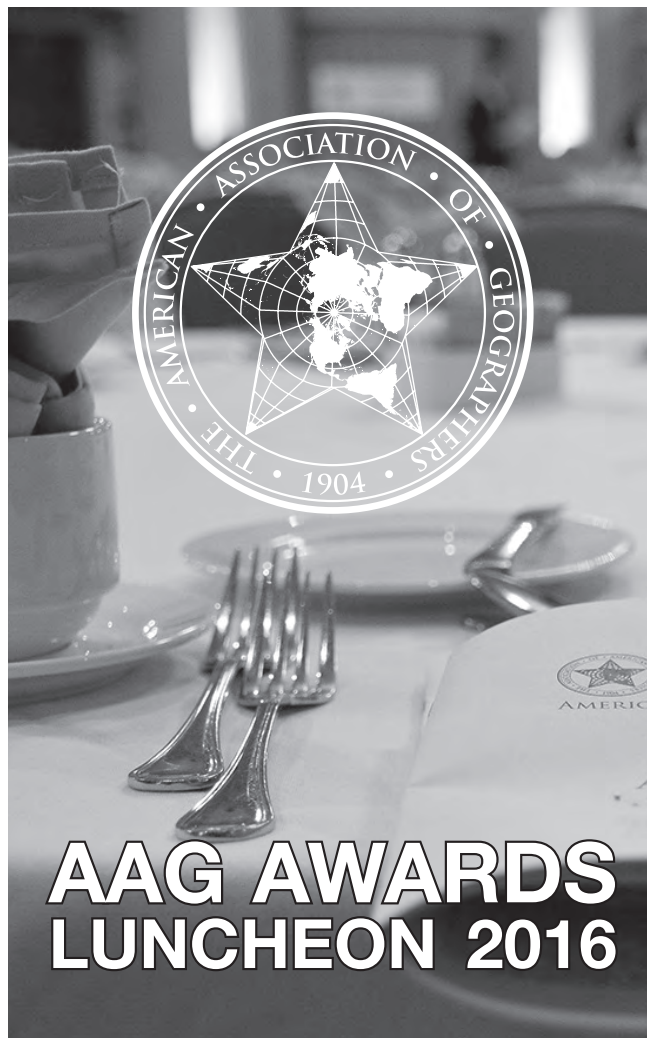
\$50 | **\$100**
STUDENT MEMBER | REGULAR MEMBER

New and renewing student members can join AAG this week for only \$50. Regular membership is only \$100. But hurry! This offer is available this week only (March 29–April 2, 2016). Visit the on-site registration desk to join.

Offer not available online.



www.aag.org
202-234-1450



SATURDAY, APRIL 2, 2016
11:50 A.M.–2:00 P.M.
NIKKO BALLROOM, HOTEL NIKKO

Celebrate with your friends, colleagues, and other honorees at the AAG Awards Luncheon. AAG Awards, AAG Honors, AAG Specialty Group Awards, and many other accolades will be conferred.

Members who have held 50 years of continuous membership will also be recognized for their enduring support and contributions to the Association.

ADMISSION: \$55 (*includes lunch*)

Purchase your seat at the AAG On-site Registraton Desk.

Tables for parties of ten are also available for purchase.

PLENARY SESSIONS AND SPECIAL EVENTS

TUESDAY, MARCH 29

AAG's Honorary Geographer: Judith Butler – *Plenary Session*

Tuesday, March 29, 11:50 a.m. - 1:00 p.m.
Room: Plaza A, Hilton Hotel, Lobby Level

Chair: **Mona Domosh**, AAG Past President, Dartmouth College

Introduction: **Mona Domosh**, AAG Past President, Dartmouth College

Speaker: **Judith Butler**, University of California, Berkeley

Judith Butler, the AAG's 2016 Honorary Geographer, will present a plenary session, "Demography in the Ethics of Non-Violence." AAG Past President Mona Domosh will confer the award upon her during the session.

Butler's plenary will focus on her abstract: A principled approach to non-violence often admits to exceptions where violence is conceded as legitimate. To what extent does the exception to nonviolence in the name of self-defense or for close kin implicitly make a distinction between lives worth saving and dispensable lives? A practice of non-violence has to take into account the demographic distribution of grievability that establishes which lives are worthy of safeguarding and which are less worthy or not worthy at all. Otherwise, both biopolitics and the logic of war can permeate calculations about when and where non-violence can be invoked. Does the demographic challenge revise our approach to non-violence? If so, how?

Butler has advocated lesbian and gay rights movements and has been outspoken on many modern political matters. Two of her influential books, *Gender Trouble: Feminism and the Subversion of Identity* and *Bodies That Matter: On the Discursive Limits of Sex*, challenge notions of gender and develop her theory of gender performativity, which is now a prominent position in feminist and queer scholarship. Butler studied philosophy at Yale University where she received her B.A. and her Ph.D.

GeoHumanities Event I: GeoPoetics Poetry Reading (Sponsored by Cultural Geography Specialty Group) – *Featured Session*

Tuesday, March 29, 4:40 p.m. - 6:20 p.m.
Room: Continental 2, Hilton Hotel, Ballroom Level

Organizers:

Tim Cresswell, Northeastern University
Sarah De Leeuw, University of Northern British Columbia

Chair: **Tim Cresswell**, Northeastern University

Introduction: **Sarah De Leeuw**, University of Northern British Columbia

Speakers:

Mary Burger, Duration Press
Cecil Giscombe, University of California, Berkeley
Judy Halebsky, Dominican University of California
Lyn Hejinian, University of California, Berkeley
Douglas Powell, University of San Francisco

This first GeoHumanities Annual Event organized by the editors of the new AAG journal *GeoHumanities* is a reading by five internationally known Bay Area poets who engage with the interface between poetic practice and GeoHumanities themes of space, place and the environment in ways that are subtly but urgently political.

AAG Annual Meeting Opening Session

Tuesday, March 29, 6:30 p.m. - 8:00 p.m.
Room: Continental 5, Hilton Hotel, Ballroom Level

Welcoming Remarks: **Douglas Richardson**, American Association of Geographers

Presidential Plenary: "Thriving in a Time of Disruption in Higher Education" – *Plenary Session*

Organizer and Moderator: **Sarah Witham Bednarz**, AAG President, Texas A&M University

Panelists:

Jenny J. Zorn, California State University
Elizabeth A. Wentz, Arizona State University
Kavita K. Pandit, University of Georgia
Yonette Thomas, American Association of Geographers
Kristopher N. Olds, University Of Wisconsin-Madison

Kicking off the Geography Education Featured Theme, Sarah Bednarz' Presidential Plenary session: "Thriving in a Time of Disruption in Higher Education" will discuss the challenges facing scholars and departments within the discipline of geography.

PLENARY SESSIONS AND SPECIAL EVENTS

WEDNESDAY, MARCH 30

GIS & Technology Poster Session - *Featured Session*

Wednesday, March 30, 8:00 a.m. - 11:40 a.m.

Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*

Poster setup: 7:30 a.m. - 8:00 a.m.

Poster display and discussion: 8:00 a.m. - 11:40 a.m.

For poster session details, please see pages 158-162.

Department Chairs Luncheon - *Special Event*

Wednesday, March 30, 11:40 a.m. - 2:00 p.m.

Room: *Continental 4, Hilton Hotel, Ballroom Level*

The Department Chairs' Luncheon, chaired by AAG Vice President Glen MacDonald, is an opportunity for existing or incoming Department or Program Chairs to discuss issues of administrative importance and share strategies for success. There is a \$35 registration fee to cover the cost of the lunch. Please register for this event at the AAG Registration Desk.

Transformational Research in Geography – *Featured Session*

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.

Room: *Continental 3, Hilton Hotel, Ballroom Level*

Organizer and Chair: **Douglas Richardson**, American Association of Geographers

Speakers:

Glen M. MacDonald, AAG Vice President, UCLA

Michael F. Goodchild, University of California

Amy Glasmeier, Massachusetts Institute of Technology

Discussion from the Audience

Human Geography Poster Session I - *Featured Session*

Wednesday, March 30, 3:20 p.m. - 7:20 p.m.

Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*

Poster setup: 3:00 p.m. - 3:20 p.m.

Poster display and discussion: 3:20 p.m. - 7:20 p.m.

For poster session details, please see pages 162-165.

GeoHumanities Event II: The Past Made Present Author meets critics on David Lowenthal's new book *The Past Is a Foreign Country* - Revisited - *Featured Session*

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.

Room: *Imperial B, Hilton Hotel, Ballroom Level*

Organizer: **Douglas Richardson**, American Association of Geographers

Speaker: **David Lowenthal**, University College

Panelists:

Diana K. Davis, University of California, Davis

Marie D. Price, George Washington University

Dydia DeLyser, California State University, Fullerton

Alexander B. Murphy, University of Oregon

GeoHumanities Event III: Special Session featuring Rebecca Solnit and Joshua Jelly- Schapiro: "Mapping the Infinite City" - *Featured Session*

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.

Room: *Imperial B, Hilton Hotel, Ballroom Level*

Organizer and Chair: **Douglas Richardson**, American Association of Geographers

Introduction: **Douglas Richardson**, American Association of Geographers

Keynote Speakers:

Rebecca Solnit, writer, historian, and activist

Joshua Jelly-Schapiro, New York University

When the trilogy Rebecca Solnit and a host of collaborators launched in 2010 with *Infinite City: A San Francisco Atlas* concludes with the New York atlas co-directed by geographer Joshua Jelly-Schapiro. The teams will have produced three books and 70 maps making postulates about both the nature of cities and the possibilities of contemporary cartography. This talk will explore what maps can do, or at least what these particular maps do, the ways these projects are counters to the rise of digital navigation and celebrations of what maps did in other eras, and how cartography lets us grasp or at least gaze at the inexhaustibility of every city, the innumerable ways it can be mapped.

PLENARY SESSIONS AND SPECIAL EVENTS

THURSDAY, MARCH 31

Human Geography Poster Session II - *Featured Session*

Thursday, March 31, 8:00 a.m. - 11:40 a.m.

Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*

Poster setup: 7:30 a.m. - 8:00 a.m.

Poster display and discussion: 8:00 a.m. - 11:40 a.m.

For poster session details, please see pages 236-238.

The AAG-Esri GeoMentors Program: Increasing GIS and Geography in K-12 Education - *Featured Session*

Thursday, March 31, 10:00 a.m. - 11:40 a.m.

Room: *Plaza A, Hilton Hotel, Lobby Level*

Organizer and Chair: **Candice Luebbering**, American Association of Geographers

Welcome and Overview: **Douglas Richardson**, American Association of Geographers

Speaker: **Candice Luebbering**, American Association of Geographers, Building the AAG - Esri GeoMentors Program

Panelists:

Sarah Witham Bednarz, AAG President, Texas A&M University

David DiBiase, Esri

Joseph J. Kerski, Esri

Jack Dangermond, Esri

Jack Dangermond Featured Talk: Evolving GIS Technology and its Impacts on Geography - *Featured Session*

Thursday, March 31, 11:50 a.m. - 1:10 p.m.

Room: *Plaza A, Hilton Hotel, Lobby Level*

Introduction: **Douglas Richardson**, American Association of Geographers

Speaker: **Jack Dangermond**, Esri

Changes and Future Trends at Leading Geography Organizations. A conversation with Doug Richardson, AAG; Jack Dangermond, Esri; and Gary Knell, National Geographic Society - *Featured Session*

Thursday, March 31, 1:20 p.m. - 3:00 p.m.

Room: *Plaza A, Hilton Hotel, Lobby Level*

Organizer and Chair: **Douglas Richardson**, American Association of Geographers

Speakers:

Douglas Richardson, American Association of Geographers

Jack Dangermond, Esri

Gary Knell, National Geographic Society

Greenland is Melting Away - *Featured Session*

Thursday, March 31, 1:20 p.m. - 3:00 p.m.

Room: *Golden Gate 7, Hilton Hotel, Lobby Level*

Organizers:

Vena Chu, UCLA

Thomas Mote, University of Georgia

Chair: **Vena Chu**, UCLA

Presenters:

Thomas Mote, University of Georgia

Kyle Mattingly, University of Georgia

Laurence C. Smith, UCLA

This session will present the research highlighted by the recent New York Times article, "Greenland Is Melting Away," detailing the efforts of a group of scientists tracking ice melt and river discharge on the Greenland Ice Sheet.

Greenland is Melting Away: Perspectives from the Field - *Featured Session*

Thursday, March 31, 3:20 p.m. - 5:00 p.m.

Room: *Golden Gate 7, Hilton Hotel, Lobby Level*

Organizers:

Vena Chu, UCLA

Thomas Mote, University of Georgia

Chair: **Vena Chu**, UCLA

Panelists:

Laurence C. Smith, UCLA

Vena W. Chu, UCLA

Josh Haner, The New York Times

Derek Watkins, The New York Times

PLENARY SESSIONS AND SPECIAL EVENTS

This session presents the researchers, cartographer, and photographer who contributed to the recent New York Times article, "Greenland Is Melting Away." Panelists will bring their perspectives from working on the Greenland Ice Sheet tracking meltwater runoff through a large supraglacial river and presenting the science to a greater audience.

2016: The International Year of Global Understanding - *Featured Session*

Thursday, March 31, 3:20 p.m. - 5:00 p.m.

Room: *Plaza A, Hilton Hotel, Lobby Level*

Organizer: **John Wertman**, American Association of Geographers

Chair: **Douglas Richardson**, American Association of Geographers

Introduction: **John Wertman**, American Association of Geographers

Panelists:

Benno Werlen, University of Jena

Jack Dangermond, Esri

Farhana Sultana, Syracuse University

Ronald F. Abler, International Geographical Union

Lee R. Schwartz, US Department of State

Gary Knell, National Geographic Society

Douglas Richardson, American Association of Geographers

The International Council of Scientific Unions (ICSU), the International Social Science Council (ISSC) and International Council for Philosophy and Human Sciences (CIPSH) have jointly declared 2016 as the International Year of Global Understanding (IYGU). The aim of IYGU is to promote better understanding of how the local impacts the global in order to foster smart policies to tackle critical global challenges such as climate change, food security, conflict resolution and migration.

The AAG is the North American hub for IYGU activities, and this high-level session will bring together leaders from the AAG, the International Geographical Union, and others to lead a discussion on how we and the IYGU can identify meaningful activities to help realize important goals of IYGU.

Physical Geography Poster Session I: "Challenges of the Anthropocene" - *Featured Session*

Thursday, March 31, 3:20 p.m. - 7:00 p.m.

Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*

Poster setup: 3:00 p.m. - 3:20 p.m.

Poster display and discussion: 3:20 p.m. - 7:00 p.m.

For poster session details, please see pages 238-242.

A reception for the Physical Geography "Challenges of the Anthropocene" theme will take place in the poster area from 4:00 p.m. - 7:00 p.m.

Mona Domosh's Past President's Address: Genealogies of Race, Gender, and Place - *Special Event*

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: *Imperial A, Hilton Hotel, Ballroom Level*

Organizer and Chair: **Mona Domosh**, AAG Past President, Dartmouth College

Speaker: **Mona Domosh**, AAG Past President, Dartmouth College

Discussants:

Ruth Wilson Gilmore, CUNY Graduate Center

Derek H. Alderman, University of Tennessee

Caroline Bressey, UCL

In her Past President's address at the 2016 AAG Annual Meeting, Mona Domosh will explore the interconnected historical geographies of race, gender, and place. She will consider how race and racisms have been entangled with spatial imaginaries and place-based materialities throughout much of American history and geography, and how these entanglements continue to shape raced lives today. Drawing on her research in the Jim Crow South, Domosh documents the ways in which space and place—particularly through constraints on African-American mobility, and raced and gendered notions of "appropriate" places—produced and were shaped by the socio-economic realities of the labor-repressive system of cotton agriculture from slavery to sharecropping and beyond. She concludes by suggesting that the traces of these interlinked notions of race, place, and gender are still politically, economically, and socially active as evidenced by the racial/spatial imaginaries and materialities that we have recently witnessed, from the shooting of Trayvon Martin to the media coverage of Serena Williams.

Joining Mona Domosh as discussants will be Ruth Wilson Gilmore, CUNY; Derek Alderman, University of Tennessee; and Caroline Bressey, University College London.

PLENARY SESSIONS AND SPECIAL EVENTS

AAG International Reception - *Special Event*

Thursday, March 31, 7:00 p.m. - 9:00 p.m.

Room: *Continental 1, Hilton Hotel, Ballroom Level*

This reception is an opportunity to see old friends and meet colleagues at the AAG Annual Meeting. Two free drink tickets are provided in your registration packet. Live top hits through the decades will be performed by Richard Olsen Orchestra.

FRIDAY, APRIL 1

Physical Geography Poster Session II - *Featured Session*

Friday, April 1, 8:00 a.m. - 11:40 a.m.

Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*

Poster setup: 7:30 a.m. - 8:00 a.m.

Poster display and discussion: 8:00 a.m. - 11:40 a.m.

For poster session details, please see pages 312-317.

The Upcoming US Elections: Reflections and Predictions from a Geographical Point of View (Sponsored by Political Geography Specialty Group) - *Featured Session*

Friday, April 1, 10:00 a.m. - 11:40 a.m.

Room: *Golden Gate 1, Hilton Hotel, Lobby Level*

Organizer and Chair: **John Heppen**, University of Wisconsin, River Falls

Panelists:

Barney Warf, University of Kansas

Gerald R. Webster, University of Wyoming

John Clark Archer, University of Nebraska

John Wertman, American Association of Geographers

Fred M. Shelley, University of Oklahoma

AAG Membership Survey - *Featured Session*

Friday, April 1, 11:50 a.m. - 1:10 p.m.

Room: *Golden Gate 1, Hilton Hotel, Lobby Level*

Chair and Introduction: **Sarah Witham Bednarz**, AAG President, Texas A&M University

Panelists:

Sarah Witham Bednarz, AAG President, Texas A&M University

Julie Winkler, Michigan State University

Mona Domosh, AAG Past President, Dartmouth College

Yonette Thomas, American Association of Geographers

Discussant: **Ed Ferguson**, American Association of Geographers

Special Session on Disruptive Innovation and the War on Drugs - *Featured Session*

Friday, April 1, 1:20 p.m. - 3:00 p.m., 3:20 p.m. - 5:00 p.m.

Room: *Imperial A, Hilton Hotel, Ballroom Level*

Organizers:

Allison Brown, Tuscarora International

Andrew Millington, Flinders University

Chair: **Allison Brown**, Tuscarora International

Speakers:

Allison Brown, Tuscarora International

John Buchanan, University of Washington

Andrew Millington, Flinders University

Stewart Williams, University of Tasmania

Christopher Fuhrman, University of Utah

What is the War on Drugs coming to? Heroin use is up. Marijuana is legal. Coca laws are under attack. Scientists are synthesizing radically strong and new opioids from yeast. Farm gate prices for poppy latex are up. Cultivation in Afghanistan is down, but still way up. Fighting in Afghanistan and Mexico is up. Stability in both is down. Allied forces are leaving - no staying in Afghanistan. Will the 2016 UNGASS meeting in mid-April be of any use?

This panel discussion will take a critical look at the disruptive scientific, cultural and medical twists that have completely altered Counter Narcotics theory and practice in the past 3 years and the ways these changes, and emerging patterns of drug addiction, are already affecting agriculture, military, and government strategies. The panel will examine the revised profit strategies of licit and illicit businesses in the rapidly changing drug world and consider how these changes could spin out in the future.

PLENARY SESSIONS AND SPECIAL EVENTS

The American Arctic: The United States as an Arctic Power in Science, Technology and Security - Featured Session

Friday, April 1, 3:20 p.m. - 5:00 p.m.

Room: *Continental 2, Hilton Hotel, Ballroom Level*

Organizers:

John Wertman, American Association of Geographers
Andrey N. Petrov, University of Northern Iowa

Chair and Introduction: **John Wertman**, American Association of Geographers

Speakers:

Andrey N. Petrov, University of Northern Iowa
Vice Admiral Charles Ray, United States Coast Guard
Fran Ulmer, US Arctic Research Commission

AAG - ISUH International Geography, GIScience, and Urban Health Theme: Opening Plenary - Plenary Session

Friday, April 1, 5:20 p.m. - 7:00 p.m.

Room: *Nikko Ballroom, Hotel Nikko, 3rd Floor*

Chair: **Jo Ivey Boufford**, The New York Academy of Medicine

Opening Remarks:

Douglas Richardson, Executive Director, American Association of Geographers
Shamim Talukder, President, International Society for Urban Health (ISUH)

Keynote Speakers:

Andy Haines, London School of Hygiene and Tropical Medicine, The Rockefeller Foundation-Lancet Commission on Planetary Health
Mei-Po Kwan, Professor, Department of Geography and GIScience, University of Illinois at Urbana-Champaign
Alex Ross, Director of World Health Organization (WHO) Kobe Centre, Japan

World Geography Bowl

Friday, April 1, 7:30 p.m. - 11:30 p.m.

Room: *Imperial B, Hilton Hotel, Ballroom Level*

Student teams from the AAG's regional divisions will compete in a round-robin tournament starting at 7:30 p.m. in the Franciscan Rooms and Imperial B, at the Hilton Hotel. The championship round will begin at approximately 10:30 pm.

World Geography Bowl Coordinator:

Jamison Conley, West Virginia University

World Geography Bowl AAG Liaison:

Ed Ferguson, American Association of Geographers

SATURDAY, APRIL 2

2016 AAG Awards Luncheon

Saturday, April 2, 11:50 a.m. - 2:00 p.m.

Room: *Nikko Ballroom, Hotel Nikko, 3rd Floor*

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 2 in the Nikko Ballroom of the Hotel Nikko from 11:50 a.m. - 2:00 pm.

The following Honors will be presented:

AAG Lifetime Achievement Honors
Susan Christopherson, Cornell University
George Malanson, University of Iowa

AAG Distinguished Scholarship Honors
Linda Mearns, National Center for Atmospheric Research

AAG Ronald F. Abler Distinguished Service Honors
Kavita Pandit, University of Georgia

AAG Gilbert Grosvenor Geographic Education Honors
William R. Strong, University of North Alabama

AAG Gilbert White Public Service Honors
Aaron Wolf, Oregon State University
Carrie Stokes, United States Agency for International Development

AAG Distinguished Teaching Award
Ibipo Johnston-Anumonwo, State University of New York, College at Cortland

AAG Media Achievement Award
Matt Rosenberg

AAG Publication Award
Temple University Press

PLENARY SESSIONS AND SPECIAL EVENTS

Other awards that will be presented at the Luncheon include: AAG Community College Awards, AAG Dissertation, Research, and White Fund Grants, AAG Marcus Fund for Physical Geography, J. Warren Nystrom Dissertation Award, Marble-Boyle Undergraduate Achievement Awards, J.B. Jackson Prize, AAG Globe and Meridian Book Awards, AAG Program Excellence Award, AAG Susan Hardwick Excellence in Mentoring Award, AAG Enhancing Diversity Award, Harold Rose Award for Anti-Racism Research and Practice, Stan Brunn Award for Creativity in Geography, AAG Harm de Blij Award, and announcements of the recipient of the 2016 Honorary Geographer and Presidential Achievement Award.

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

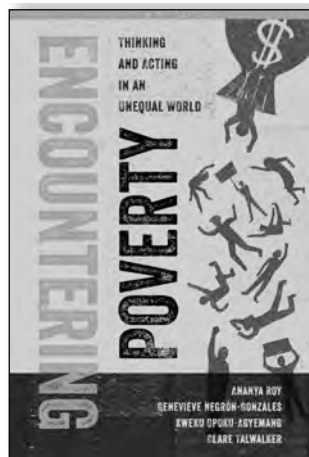
American Association of Geographers Business Meeting - *Special Event*

Saturday, April 2, 2:00 p.m. - 3:40 p.m.
Mendocino II, Hotel Nikko, 2nd Floor

AAG officers will present their annual reports. All are welcome to attend.

NEW

FROM UC PRESS



Nonstop Metropolis: A New York City Atlas

Rebecca Solnit, Joshua Jelly-Schapiro

Unfathomable City: A New Orleans Atlas

Rebecca Solnit, Rebecca Snedeker

Infinite City: A San Francisco Atlas

Rebecca Solnit

Sidewalking: Coming to Terms with Los Angeles

David L. Ulin

Dangerous Digestion: The Politics of American Dietary Advice

E. Melanie DuPuis

Weighing In: Obesity, Food Justice, and the Limits of Capitalism

Julie Guthman

Atlas of Yellowstone

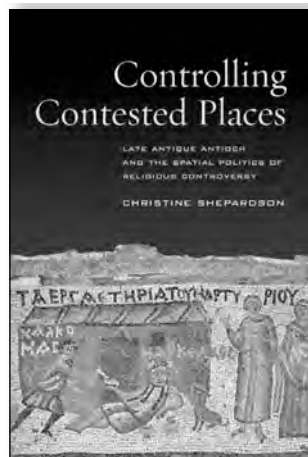
W. Andrew Marcus, James Meacham, Ann Rodman, Alethea Steingisser

Teaching Big History

Edited by Richard B. Simon, Mojgan Behmand, Thomas Burke

Critical Landscapes: Art, Space, Politics

Edited by Emily Eliza Scott and Kirsten Swenson



Mountain Geography: Physical and Human Dimensions

Edited by Martin F. Price, Alton C. Byers, Donald A. Friend, Thomas Kohler, Larry W. Price

Surf, Sand, and Stone: How Waves, Earthquakes, and Other Forces Shape the Southern California Coast

Keith Heyer Meldahl

Concrete Jungle: New York City and Our Last Best Hope for a Sustainable Future

Niles Eldredge, Sidney Horenstein

Balancing on a Planet: The Future of Food and Agriculture

David A. Cleveland

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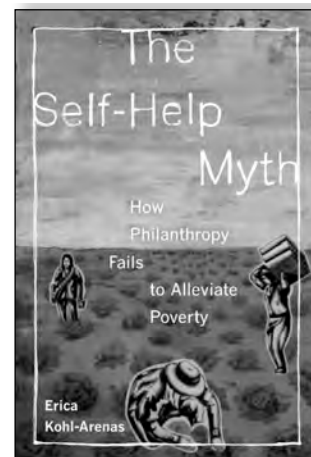
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FEATURED THEMES

AAG - ISUH International Geography, GIScience, and Urban Health Theme

The International Society for Urban Health (ISUH) and the American Association of Geographers are pleased to announce a joint international symposium on Geography and Urban Health, to foster interdisciplinary and international collaborations in team science, geodesign for healthy urban environments, GIScience advances in health research and technology transfer, and geographic or biomedical research which addresses global health needs.

Sessions for this theme run through the full AAG and ISUH meetings, and a Joint ISUH and AAG Symposium will be held on Friday, April 1 and Saturday, April 2. We seek to bring together national and international scholars, practitioners, and policy makers from different specialties, institutions, sectors, and continents to share ideas, findings, methodologies, and technologies, and to establish, and strengthen personal connections, communication channels, and research collaborations and networks.

AAG Opening Sessions: Global Health and the Environment I-II (Sessions 2264, 2464)
Wednesday, March 30, 10:00 a.m. - 11:40 a.m., 1:20 p.m. - 3:00 p.m., Nikko Ballroom at Hotel Nikko

AAG - ISUH Keynote Plenary Session (Session 4664)
Friday, April 1, 5:20 p.m.-7:00 p.m., Nikko Ballroom at Hotel Nikko

Chair: **Jo Ivey Boufford**, President, The New York Academy of Medicine

Opening Remarks:

Douglas Richardson, Executive Director, American Association of Geographers

Shamim Talukder, President, ISUH

Keynote Speakers:

Andy Haines, MBBS, MD, Professor of Public Health and Primary Care, London School of Hygiene and Tropical Medicine. Chair, The Rockefeller Foundation-Lancet Commission on Planetary Health, UK

Mei-Po Kwan, Professor, Department of Geography and GIScience, University of Illinois at Urbana-Champaign

Alex Ross, Director, World Health Organization (WHO) Center for Health Development Kobe Center, Japan

Other AAG - ISUH plenary sessions include:

Spatializing Health: Geography, GIScience and Urban Health (Session 5224)

Saturday, April 2, 10:00 a.m. - 11:40 a.m., Imperial A, Hilton, Ballroom Level

Urban Health - Health Geography for Sustainable Urban Transitions (Session 5424)

Saturday, April 2, 2:00 p.m. - 3:40 p.m., Imperial A, Hilton, Ballroom Level

Geography and Urban Health: Collaborating to Advance Sustainable Urban Transitions (Session 5524)

Saturday, April 2, 4:00 p.m. - 5:40 p.m., Imperial A, Hilton, Ballroom Level

Session numbers in this theme:

1639 2164 2168 2169 **2264** 2268 2269 **2464** 2468 2469
 2562 2568 2569 2662 2668 2669 3168 3169 3170 3268
 3269 3270 3467 3468 3469 3470 3567 3568 3569 3570
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 4462 4463 4470 4562 4563 4570 **4664** 5168 5169 5170
5224 5268 5269 5270 **5424** **5524** 5468 5469 5470

Scientific Committee for the Joint AAG-ISUH Geography and Urban Health Theme:

Yonette Thomas (Chair), Senior Advisor, AAG; Scientific Advisor on Urban Health to the New York Academy of Medicine, **Mei-Po Kwan**, University of Illinois at Urbana-Champaign, USA, **Mark Rosenberg**, Queens University, Canada, **Alex Ross**, WHO Center for Health Development, Kobe, Japan, **Gerard Salem**, University of Paris Nanterre, France, **Xun Shi**, Dartmouth College, USA, **Susan Thompson**, The University of New South Wales, Australia, **David Vlahov**, University of California, San Francisco, USA, **Blaise Nguendo Yongsi**, University of Yaounde II, Sao, Cameroon

For a more detailed program of sessions, please visit <http://www.aag.org/cs/theme/GeoHealth2016>.

Thriving in a Time of Disruption in Higher Education Theme

This is a challenging time to be engaged in scholarship in higher education. Shrinking state budgets and rising tuition raise concerns about the affordability - and importance - of college. Graduate education is facing serious criticism and evaluation; is the academy preparing students valued by society or merely reproducing itself? Skepticism by

FEATURED THEMES

some members of Congress about the value of social and behavioral sciences threaten research funding at the same time universities are placing increased importance on grantsmanship for promotion and tenure. A cornerstone of education, tenure, is under attack. Fundamental notions of shared governance and academic freedom are being reconsidered. Increasingly, our status as individual scholars and collective departments is measured and benchmarked by external organizations using criteria we may not even be aware of - or value.

This plays out in different ways for the discipline of geography. Eight actions emerge as key to healthy geography departments: teach, promote, build, innovate, nurture, manage, reflect, and envision. Departments must have a clear (and shared) vision of what and who they are and be prepared to work to build toward that vision. This may require innovation, a euphemism for change, something that is never easy. Departments need leaders who manage effectively and who are willing to nurture their colleagues, enabling them to succeed across different stages of their careers. Healthy geography departments care about recruiting and retaining students and majors through compelling teaching that enriches the lives of the students they touch. Strong departments build through fund raising, nurturing alumni, and entrepreneurship. Finally, healthy departments take the time to reflect, to assess, plan, and refocus as needed, together.

AAG Annual Meeting Opening Session (Session 1715)

Tuesday, March 29, 6:30 p.m. - 8:00 p.m., Continental 5, Hilton Hotel, Ballroom Level

Welcoming Remarks: **Douglas Richardson**, American Association of Geographers

Presidential Plenary: “Thriving in a Time of Disruption in Higher Education” – Plenary Session

Organizer and Moderator: **Sarah Witham Bednarz**, AAG President, Texas A&M University

Panelists:

Jenny J. Zorn, California State University
Elizabeth A. Wentz, Arizona State University
Kavita K. Pandit, University of Georgia
Yonette Thomas, American Association of Geographers
Kristopher N. Olds, University Of Wisconsin-Madison

Kicking off the Geography Education Featured Theme, Sarah Bednarz’ Presidential Plenary session: “Thriving in a Time of Disruption in Higher Education” will discuss the challenges facing scholars and departments within the discipline of geography.

Session numbers in this theme:

1715 2102 2202 2402 2502 2542 2602 3123 3203 3226
 3403 3411 3426 3503 3603 4102 4127 4225 4405 4505
 5433 5533

Physical Geography: Challenges of the “Anthropocene” Theme

The AAG 2016 Symposium on Physical Geography will explore recent advances relevant to our understanding of the concept of the “Anthropocene” and the problems posed as humanity interacts with the Earth system. It will feature presentations and posters on the following areas:

- (1) The Early “Anthropocene”: When Did the “Anthropocene” Really Start?
- (2) Evidence of Large-scale Human Impacts and Quantifying Recent, Current and Future Anthropogenic Impacts
- (3) Couplings and Societal Responses to Human-induced Environmental Change
- (4) Measuring Risk and Planning Sustainability in an “Anthropocene” 21st Century

In 2016, the International Commission on Stratigraphy will consider a proposal from the "Anthropocene" Working Group to formalize the "Anthropocene" as a geological unit within the Geological Time Scale. This designation recognizes a new time interval in which human activities have significantly altered Earth's conditions and processes. Regardless of whether or not the Commission will ultimately declare a new geologic time frame, the changes that have occurred (and are continuing) in our climate, land surfaces, vegetation, and waters have profound effects on and implications for human society. Understanding human-induced alterations in the past and present is critical to our ability to anticipate, mitigate, and adapt to changes in the future.

Physical Geography: Challenges of the “Anthropocene” Organizing Committee:

Anne Chin, University of Colorado Denver (Chair);
Timothy Beach, University of Texas at Austin; **Carol Harden**, University of Tennessee; **Charles Lafon**, Texas A & M University; **Glen MacDonald**, University of California, Los Angeles; **Sheryl Luzzadder-Beach**, University of Texas at Austin; **Katharine Johnson**, University of Connecticut; **Megan McCusker Hill**, University of Connecticut; **William Solecki**, Hunter College; **Julie Winkler**, Michigan State University.

FEATURED THEMES

Symposium on Physical Geography: Challenges of the "Anthropocene" I: Plenary Opening Session (Session 2516)

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.,
Continental 6, Hilton, Ballroom Level

Opening Remarks: **Glen M. MacDonald**, AAG Vice President, UCLA

Plenary Keynote: **William F. Ruddiman**, University of Virginia

Symposium on Physical Geography: Challenges of the "Anthropocene" II: The Early "Anthropocene" (Session 2616)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.,
Continental 6, Hilton, Ballroom Level

Keynote: **Dorothy Merritts**, Franklin and Marshall College

Symposium on Physical Geography: Challenges of the "Anthropocene" III: Evidence and Quantification of Large-scale Human Impacts (Session 3116)

Thursday, March 31, 8:00 a.m. - 9:40 a.m., Continental 6, Hilton, Ballroom Level

Keynote: **Erle Ellis**, University of Maryland - Baltimore County

Symposium on Physical Geography: Challenges of the "Anthropocene" IV: Couplings and Societal Responses to Human-Induced Environmental Change (Session 3216)

Thursday, March 31, 10:00 a.m. - 11:40 a.m.,
Continental 6, Hilton, Ballroom Level

Keynote: **Susanne Moser**, Susanne Moser Research & Consulting

Symposium on Physical Geography: Challenges of the "Anthropocene" V: Risk and Sustainability in an "Anthropocene" 21st Century (Session 3416)

Thursday, March 31, 1:20 p.m. - 3:00 p.m., Continental 6, Hilton, Ballroom Level

Keynote: **Stephanie Pincetl**, University of California, Los Angeles

Physical Geography: "Challenges of the Anthropocene" Poster Session (Session 3561, 3661)

Thursday, March 31, 3:20 p.m. - 7:00 p.m., Grand Ballroom A/B, Hilton, Grand Ballroom Level

Poster setup: 3:00 p.m. - 3:20 p.m.

Poster display and discussion: 3:20 p.m. - 7:00 p.m.

A reception for the Physical Geography "Challenges of the Anthropocene" theme will take place in the poster area from 4pm - 7pm.

Symposium on Physical Geography: Challenges of the "Anthropocene" VI: Plenary Synthesis Session on Researching and Teaching the "Anthropocene" (Session 4316)

Friday, April 1, 11:50 a.m. - 1:10 p.m., Continental 6, Hilton, Ballroom Level

Keynote: **Kenneth R. Young**, University of Texas at Austin

Discussants:

Jonathan M. Harbor, Purdue University

Sally P. Horn, University Of Tennessee

Robin M. Leichenko, Rutgers University

Catherine Souch, Royal Geographical Society (with IBG)

Session numbers in this theme:

2516 2616 3116 3216 3416 **3561 3661** 4161 4261 4316

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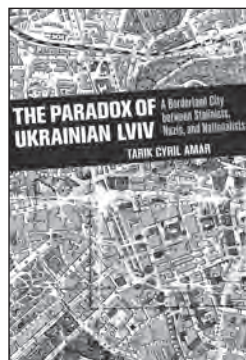
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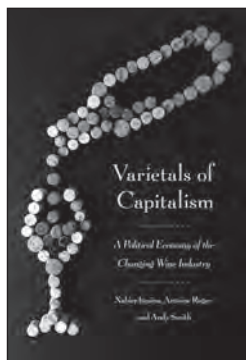
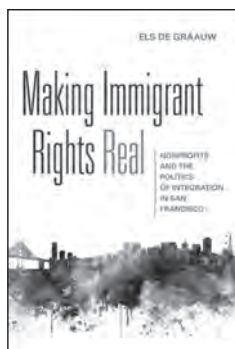
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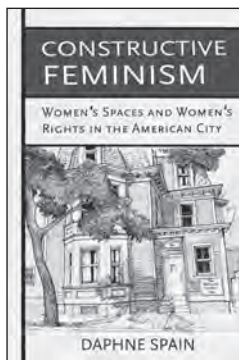
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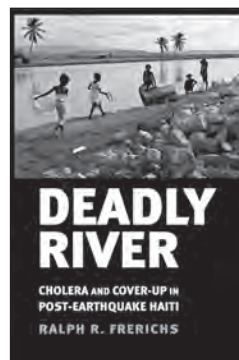
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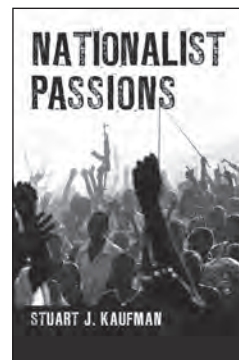
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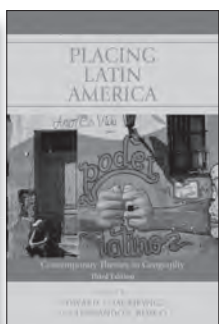
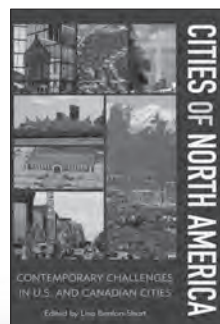
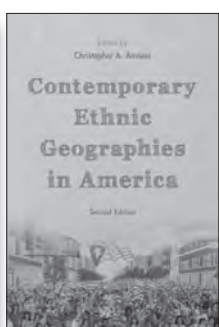
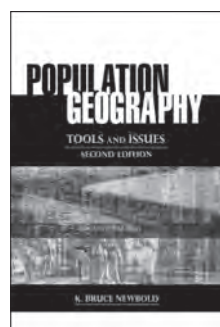
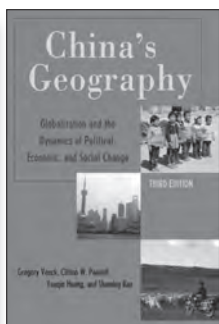
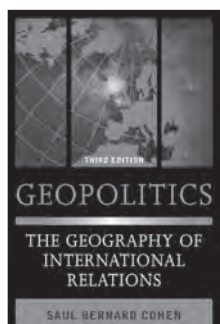
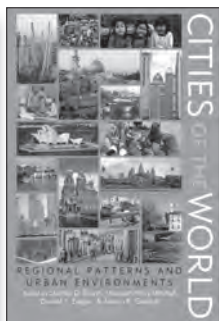
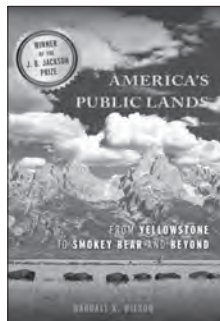
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MEMORIAL SESSIONS

To commemorate notable geographers who have passed away in the past two years, friends and colleagues have organized tribute sessions in their honor.

1418, 1518, 1618 In Memory of and Tribute to William I. Woods (Sponsored by Cultural and Political Ecology Specialty Group, Paleoenvironmental Change Specialty Group)

Tuesday, March 29, 12:40 p.m. - 2:20 p.m., 2:40 p.m. - 4:20 p.m., 4:40 p.m. - 6:20 p.m.

Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Sessions)

William I. Woods, a long-time member of the AAG and an internationally recognized scholar, passed away on September 11, 2015. This is one of three special sessions in memory of Bill. It honors his contributions to geography and related disciplines. Much of Bill's research was interdisciplinary, often bridging archaeology and the geosciences. He is best known for his studies on anthropogenic soils, especially the terra preta or "dark earths" of Amazonia, and his analysis of earthworks, including Cahokia in Illinois and the Medieval Walhain site in Belgium. Papers in these sessions reflect Bill's broad vision and cosmopolitan spirit, spanning various aspects of physical geography, pedology, cultural ecology, and geoarchaeology.

2152, 2252, 3152, 3252 H. Jesse Walker and Coastal Geography

Wednesday, March 30, 8:00 a.m. - 9:40 a.m., 10:00 a.m. - 11:40 a.m.

Thursday, March 31, 8:00 a.m. - 9:40 a.m., 10:00 a.m. - 11:40 a.m.

Room: Mason B, Hilton Hotel, 6th Floor (Paper Sessions)

H. Jesse Walker was a distinguished coastal geomorphologist who maintained an active professional life at LSU for nearly 50 years. As a recipient of the AAG Distinguished Career Award, among other laurels, he was an ardent supporter of geographic scholarship and an effective advocate for the field. A series of paper sessions will celebrate his contributions and influences in coastal geography.

2411, 2511, 2611 People, Biota and the Environment in Cultural History: Honoring Daniel Gade 1-3 (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Historical Geography Specialty Group)

Wednesday, March 30, 1:20 p.m. - 3:00 p.m., 3:20 p.m. - 5:00 p.m., 5:20 p.m. - 7:00 p.m.

Room: Continental 1, Hilton Hotel, Ballroom Level (Paper and Panel Sessions)

2624 Memorial Service for Susan Hardwick (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Ethnic Geography Specialty Group)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.

Room: Imperial A, Hilton Hotel, Ballroom Level (Panel Session)

Dr. Susan Hardwick was an irresistible force in Geography. She was a teacher, community college professor, a professor at California State at Chico, Texas State, and at the University of Oregon. Susan contributed widely to the fields of ethnic geography, geography of education and most recently Canadian Studies. But her impact on people transcended her considerable research accomplishments. Susan was a mentor to many and a friend to all. She always saw the good in people and offered encouragement at every step along the way.

Susan's untimely passing in November 2015 has been mourned across the geography community. So that we can all pay our respects, we are organizing this special Memorial Service. This is open to all of those touched by Susan. Please attend and share your thoughts about Susan Hardwick.

Co-sponsors: American Association of Geographers; University of Oregon; Community College Affinity Group; Ethnic Geography Specialty Group; Geographic Perspectives on Women Specialty Group; Geography Education Specialty Group; Graduate Student Affinity Group; American Geographical Society.

A reception will follow this session in the Imperial Suite, Tower 3, 19th Floor, Hilton Hotel.

3576 The academic life and times of Ruth I. Shirey: geographer extraordinaire—a special session in honor of Ruth I. Shirey (Sponsored by American Association of Geographers, Latin America Specialty Group, Geography Education Specialty Group)

Thursday, March 31, 3:20 p.m. - 5:00 p.m.

Room: Paris South, Marker Hotel, Lobby Level (Panel Session)

This panel session comprises geographers who will reflect on Ruth's multifaceted academic career that raised her to the status of geographer extraordinaire. The range of expressed perspective will be from panelists who can reflect on her contributions across all levels of education. They will include her former graduate students (earliest and more recent), colleagues from Pennsylvania, and those with whom she worked in the leadership of NCGE, the AAG, and the Society for Woman Geographers. Each panelist will present a no-more-than a 10-minute testimonial. This special session will conclude with an opportunity for audience members to voluntarily contribute their own testimonials about Ruth's contributions to our discipline.

NOTE: This special session also is co-sponsored by the NCGE, the Society of Woman Geographers, Gamma Theta Upsilon, and The Pennsylvania Geographical Society.

MEMORIAL SESSIONS

3502, 3602 The William L. Garrison Award and Tribute Sessions

Thursday, March 31, 3:20 p.m. - 7:00 p.m.

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)

3:20 PM Welcome and Introductions, Elizabeth Wentz, Arizona State University

3:30 PM *Introduction of previous winners of the William L. Garrison Award for Best Dissertation in Computational Geography*

3:40 PM Presentation by the winner of of the 2016 William L. Garrison Award for Best Dissertation in Computational Geography, Dr. Ying Song (University of Minnesota) on *Green Accessibility in Time Geography; Estimating the Environmental Costs of Space-time Prisms for Sustainable Transportation Planning*

4:10 PM *Discussion of 2016 Garrison Award paper*

4:20 PM Dr. Stéphane Joost, initial Garrison awardee and current Garrison Award Committee Member, will deliver a presentation, *The geographic dimension of genomic diversity: from genome scans to whole-genome sequence data.*

4:40 PM *Discussion of Joost paper*

4:50 PM *Session Short Break*

Formal memorial presentations to commemorate William L. (Bill) Garrison's life and work in geography will follow shortly after conclusion of the award segment of the session.

5:20 PM The session will resume with three short presentations addressing Bill Garrison's work and impact upon both geography and transportation. These will be followed by a reception, permitting the assembled participants and guests to pay tribute to and share their reminiscences of Bill either over the microphone or among themselves.

Three short presentations by Brian Berry (University of Texas at Dallas), Duane Marble (Ohio State), and Elizabeth Deakin (UC Berkeley).

6:10 PM *Informal reception begins. (Refreshments will be served.)*

4572, 4672 Remembering Edward Soja (1940-2015)

Friday, April 1, 3:20 p.m. 5:00 p.m., 5:20 p.m. - 7:00 p.m.

Room: Bay View Room, Hotel Nikko, 25th Floor (Panel Session)

Speakers:

John C. Western, Syracuse University

Claske Dijkema, Université Grenoble Alpes

Keith Woodward, University of Wisconsin-Madison

John Paul Jones, University of Arizona

Allen J. Scott, University of California, Los Angeles

Mark Purcell, University of Washington

Michael J. Dear, University of California, Berkeley

Ayona Datta, University of Leeds

Roberto Luís Monte-Mór, Universidade Federal De Minas Gerais

Saskia Sassen, Columbia University

Michael Storper, London School of Economics

Juan Miguel Kanai, University of Miami

Jane S. Pollard, Newcastle University

A driving voice behind the spatial turn in critical social theory, Ed Soja (1940-2015) was one of the great lights of late twentieth century human geography. Having developed what is arguably the most elegant conceptualization of the socio-spatial dialectic, he worked to discover intersections in the spatial philosophies Henri Lefebvre, bell hooks, and Michel Foucault. Soja then went on to initiate a dialogue between Marxism and poststructuralism at a time when these debates were at their most vitriolic. These efforts culminated in the creation of spatial 'trialectics' and a robust space for Marxist-leaning geographers to engage with questions of alterity, 'thirdspace.' Throughout, the question of postmodernism in geography of urban and regional restructuring remained a grounding problematic for his scholarship, particularly in the context of Los Angeles, the city that was considered "exceedingly tough to track." Tellingly, Los Angeles remained most attractive of his critical attention. In this work, it was Soja's commitment to the theory and praxis of social justice that remained the unifying concern. These sessions bring together geographers from a range of backgrounds and specialisms to memorialize and celebrate Soja the thinker and the person.

AAG MAPATHON

The 2016 AAG Annual Meeting will provide a “first” for attendees—a three day Mapathon. Conference attendees can join a community of online mappers to contribute to OpenStreetMap for humanitarian efforts. Using satellite imagery and freely available OpenStreetMap editing platforms, participants will trace, edit, and label key infrastructure (buildings, roads, etc.), environmental features, and other objects for the creation of openly available real data to produce maps that assist humanitarian and community efforts.

With featured speakers and support from the State Department’s Office of the Geographer, the Department of Geography and Geoinformation Science at George Mason University, USAID GeoCenter, American Red Cross, Peace Corps, the World Bank, and the AAG, organizers hope to inspire and educate participants about the power of volunteered geographic information for humanitarian response and sustainable development.

The Mapathon will promote themes of shared humanitarian interest, and mapping will be coordinated through the Humanitarian OpenStreetMap Team’s Tasking Manager, with imagery services provided by the Office of the Geographer’s Humanitarian Information Unit. The three daily themes are Secondary Cities and Urban Resilience, Disaster Preparedness and Response, and Health and Infectious Disease. Participants will be invited to work on specific mapping assignments during the conference, either in the Mapathon Lounge or anywhere they have a reliable internet connection. Recognizing the power that Mapathons have to educate, engage, and empower the public, the organizers hope that at the end of the conference, participants will have made significant contributions towards improved maps to support humanitarian response and sustainable development efforts.

The Mapathon Lounge (Plaza B, Hilton Hotel) will be open Wednesday, March 30 to Friday, April 1, from 8:00 a.m. - 7:00 p.m. at the AAG headquarters hotel – the Hilton Union Square. Each day of the Mapathon event will feature a thematic keynote presentation, mapping guidance, and open data creation, and will be preceded and followed by related panel sessions in the same room.

Acknowledgement of additional supporters of the AAG Mapathon: American Association of Geographers, Mapzen, Mapbox, Colorado State, University of Colorado, McGill University, George Washington University, West Virginia University, Stamen Design, Texas Tech University, World Bank, and Youth Mappers.

Mapathon Sessions Include:

Mapping Secondary Cities for Resiliency and Emergency Preparedness (2110)

Wednesday, March 30, 8:00 a.m. - 9:40 a.m.
Room: Plaza B, Hilton Hotel, Lobby Level

The Impact of Mapathons: Welcome to the AAG Mapathon (2210)

Wednesday, March 30, 10:00 a.m. - 11:40 a.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Thematic Keynote by Lee Schwartz and Michael Goodchild - Secondary Cities Mapping Session (2310)

Wednesday, March 30, 11:50 a.m. - 1:10 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Mapping Session: Mapping One City at a Time (2410)

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Case studies on Mapping Secondary Cities (2510)

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Map Jam: Map with fellow Geographers (2610)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Morning Mapexercise (3110)

Thursday, March 31, 8:00 a.m. - 9:40 a.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Mapathon: Disaster Preparedness and Response (3310)

Thursday, March 31, 11:50 a.m. - 1:10 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

"Mappy Hour" in Mapathon Lounge (3610)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Secondary Cities: Planning for Urban Sustainability and Resilience (3686)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.
Room: Salon I, JW Marriott Hotel, 2nd Floor

Morning Mapexercise: Demonstration of the ArcGIS Editor for OpenStreetMap (4110)

Friday, April 1, 8:00 a.m. - 9:40 a.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Partnering to Grow the Humanitarian Mapping Crowd (4210)

Friday, April 1, 10:00 a.m. - 11:40 a.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Mapathon: Health and Infectious Disease (4310)

Friday, April 1, 11:50 a.m. - 1:10 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Open Mapping: The final count down! (4410)

Friday, April 1, 1:20 p.m. - 3:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Youth Mappers University Consortium (4510)

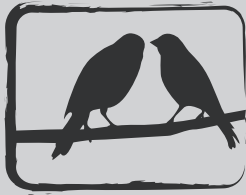
Friday, April 1, 3:20 p.m. - 4:30 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

Opportunities and Challenges: The Future of the Open Mapping Community (4510)

Friday, April 1, 4:30 p.m. - 5:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level

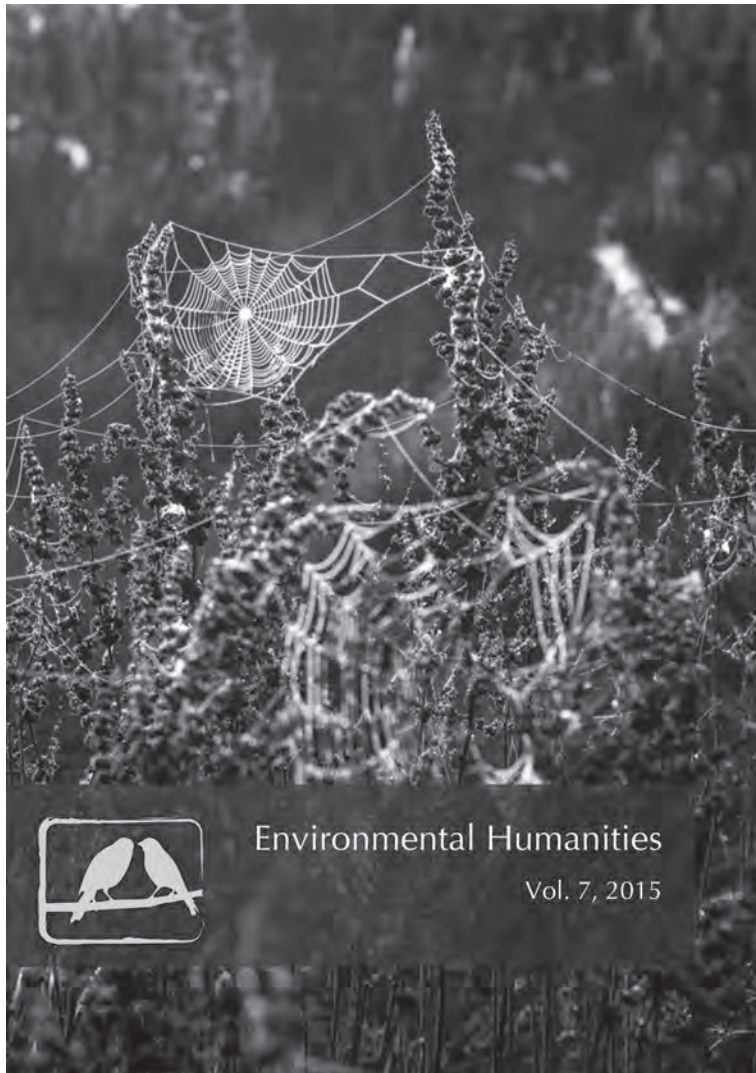
The AAG Mapathon: A Review (4610)

Friday, April 1, 5:20 p.m. - 7:00 p.m.
Room: Plaza B, Hilton Hotel, Lobby Level



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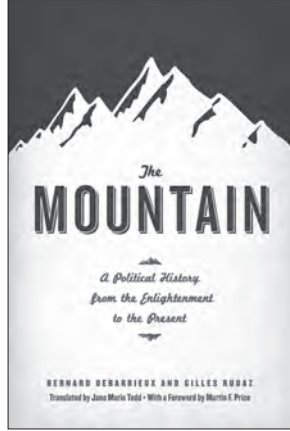
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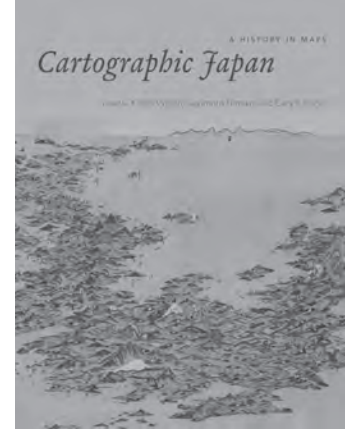
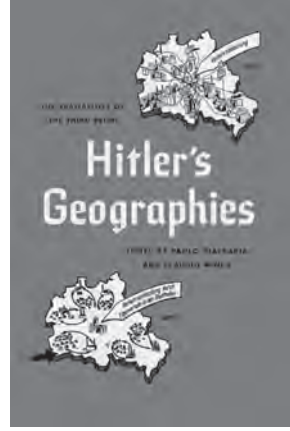
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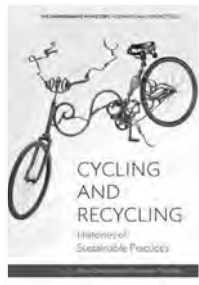
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SPECIALTY GROUP HIGHLIGHTED SESSIONS

AAG Specialty Groups are invited to highlight one special session each year. These sessions are listed below and include session number, time and location.

Africa Specialty Group

1439 Strategies Establishing Collaborative Networks between the ASG and Geography Departments of African Universities (Sponsored by Africa Specialty Group)

Tuesday, March 29, 12:40 p.m. - 2:20 p.m.

Room: Union Square 12, Hilton, 4th Floor (Panel Session)

Animal Geography Specialty Group

4465 Animal Geography Plenary: Zoopolis: A Multispecies Urban History (Sponsored by Animal Geography Specialty Group)

Friday, April 1, 1:20 p.m. - 3:00 p.m.

Room: Nikko II, Hotel Nikko, 3rd Floor (Panel Session)

Asian Geography Specialty Group

1659 Asia Symposium Keynote Lecture: Henry Yeung, "Rethinking Asia in the New Global Economy" (Sponsored by Asian Geography Specialty Group, Economic Geography Specialty Group)

Tuesday, March 29, 4:40 p.m. - 6:20 p.m.

Room: Lombard Room, Hilton, 6th Floor (Panel Session)

Bible Geography Specialty Group

3413 Connectivity and Linkages in Gaining New Insights into the Geography of Ancient Israel (Sponsored by Bible Geography Specialty Group)

Thursday, March 31, 1:20 p.m. - 3:00 p.m.

Room: Continental 3, Hilton, Ballroom Level (Paper Session)

Business Geography Specialty Group

2371 Business Geography Keynote: Cisco Systems and the power of Geography and Location to Business (Sponsored by Business Geography Specialty Group, AAG Jobs and Careers Theme)

Wednesday, March 30, 11:50 a.m. - 1:10 p.m.

Room: Golden Gate Room, Nikko, 25th Floor (Panel Session)

Cartography Specialty Group

3610 "Mappy Hour" in Mapathon Lounge (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)

China Geography Specialty Group

3325 Special Keynote Address of the China Geography Specialty Group and the Geography of Religions and Belief Systems

Thursday, March 31, 11:50 a.m. - 1:10 p.m.

Room: Imperial B, Hilton, Ballroom Level (Paper Session)

Climate Specialty Group

3274 Plenary Talk: Water and Sustainability: 21st Century Realities and the Global Groundwater Crisis (Sponsored by Climate Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Thursday, March 31, 10:00 a.m. - 11:40 a.m.

Room: Bellevue Room, The Marker, Lobby Level (Panel Session)

Communication Geography Specialty Group

4653 Nightscapes: Discourses on Nocturnal Labor, Recreation and Leisure, Nighttime Infrastructural Landscapes and Spatialization (Sponsored by Communication Geography Specialty Group)

Friday, April 1, 5:20 p.m. - 7:00 p.m.

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

Cryosphere Specialty Group

3407, 3507 Greenland is Melting Away Panel & Perspectives from the Field (Sponsored by Cryosphere Specialty Group)

Thursday, March 31, 1:20 p.m. - 3:00 p.m., 3:20 p.m. - 5:00 p.m.

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper & Panel Session)

Cultural Geography Specialty Group

2613 Cultural Geography Specialty Group Marquee Address by Dr. Jennifer Wolch, "Animals in Design: Objects, Subjects, or Materials?" (Sponsored by Cultural Geography Specialty Group)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.

Room: Continental 3, Hilton, Ballroom Level (Panel Session)

Cyberinfrastructure Specialty Group

2626 Spatiotemporal Symposium: Achievements, Gaps, and Future of Spatiotemporal Studies (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.

Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)

Disability Specialty Group

3226 Continuing Conversations: Strategies for the Promotion of Positive Mental Health in the Academy (Sponsored by Disability Specialty Group, Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, AAG Jobs and Careers Theme, Thriving in a Time of Disruption in Higher Education Featured Theme)

Thursday, March 31, 10:00 a.m. - 11:40 a.m.

Room: Yosemite A, Hilton, Ballroom Level (Paper Session)

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Economic Geography Specialty Group

3609 The Roepke Lecture in Economic Geography: “Boots on the Ground, Who is Footing the Bill? The Human Costs Of Modern Warfare: American Military Forces and the Iraq and Afghanistan Wars (OIF-OEF)” - Amy Glasmeier, Massachusetts Institute of Technology (Sponsored by Economic Geography Specialty Group)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: Plaza A, Hilton, Lobby Level (Paper Session)

European Specialty Group

1579 European Migration Crisis III (Sponsored by Political Geography Specialty Group, European Specialty Group, Cultural Geography Specialty Group)

Tuesday, March 29, 2:40 p.m. - 4:20 p.m.

Room: Vienna North, The Marker, Lower Level (Paper Session)

Geographic Information Science and Systems Specialty Group

3666 Tobler and Transactions in GIS Plenary Presentations (Sponsored by Geographic Information Science and Systems Specialty Group)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)

Geographies of Food and Agriculture Specialty Group

4156, 4256, 4456 Scholar-Activists/Activist-Scholars: Cultivating an Ongoing Community of Food Justice Practice 1-3 (Sponsored by Geographies of Food and Agriculture Specialty Group)

Friday, April 1, 8:00 a.m. - 9:40 a.m., 10:00 a.m. - 11:40 a.m., 1:20 p.m. - 3:00 p.m.

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Sessions)

Geography of Religions and Belief Systems Specialty Group

3675 GORABS Annual Lecture: Sanctuary and Refugees in Europe (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: Paris North, The Marker, Lobby Level (Panel Session)

Geomorphology Specialty Group

2325 Distinguished Lecture on Geomorphology & Society (Sponsored by Geomorphology Specialty Group)

Wednesday, March 30, 11:50 a.m. - 1:10 p.m.

Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)

Graduate Students Affinity Group

3411 The new ‘normal’: states of mental being, graduate students and the Anglo-American academy (GSAG Plenary Presentation) (Sponsored by Cultural Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Geography Education Specialty Group, Thriving in a Time of Disruption in Higher Education Featured Theme)

Thursday, March 31, 1:20 p.m. - 3:00 p.m.

Room: Continental 1, Hilton, Ballroom Level (Paper Session)

Health and Medical Geography Specialty Group

1621 HMGSG Award Special Session (Sponsored by Health and Medical Geography Specialty Group)

Tuesday, March 29, 4:40 p.m. - 6:20 p.m.

Room: Franciscan B, Hilton, Ballroom Level (Paper Session)

History of Geography Specialty Group

3546 History of Geography Specialty Group Plenary: International Perspectives on Teaching the History of Geography (Sponsored by History of Geography Specialty Group)

Thursday, March 31, 3:20 p.m. - 5:00 p.m.

Room: Union Square 19, Hilton, 4th Floor (Panel Session)

Human Dimensions of Global Change Specialty Group

3652 Assessing Social Vulnerability to Climate Change: Lessons from Recent Research on Integrating Exposure, Sensitivity and Adaptive Capacity (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: Mason B, Hilton, 6th Floor (Paper Session)

Indigenous Peoples Specialty Group

3242 [IPSG Plenary] A Place to Belong: Creating an Urban, Indian, Women-Led Land Trust in the San Francisco Bay Area

Thursday, March 31, 10:00 a.m. - 11:40 a.m.

Room: Union Square 15, Hilton Hotel, 4th Floor (Panel Session)

International Research and Scholar Exchange Committee

3601 Regions aren't just Regional: Global Roundtable (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Development Geographies Specialty Group, International Research and Scholar Exchange Committee)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)

Landscape Specialty Group

3437 Batteries, boots & blunders: Field work considerations & advice for graduate students (Sponsored by Landscape Specialty Group, Graduate Student Affinity Group)

Thursday, March 31, 1:20 p.m. - 3:00 p.m.

Room: Union Square 10, Hilton Hotel, 4th Floor (Panel Session)

Latin America Specialty Group

3139 Discussion on Conducting Fieldwork in Latin America (Sponsored by Latin America Specialty Group)

Thursday, March 31, 8:00 a.m. - 9:40 a.m.

Room: Union Square 12, Hilton Hotel, 4th Floor (Panel Session)

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Mountain Geography Specialty Group

3132 Mountain Connectivity: Conservation and Development (Sponsored by Biogeography Specialty Group, Development Geographies Specialty Group, Mountain Geography Specialty Group)

Thursday, March 31, 8:00 a.m. - 9:40 p.m.

Room: Union Square 5, Hilton, 4th Floor (Paper Session)

Polar Geography Specialty Group

4512 The American Arctic: The United States as an Arctic Power in Science, Technology and Security (Sponsored by Polar Geography Specialty Group, Military Geography Specialty Group, Political Geography Specialty Group)

Friday, April 1, 3:20 p.m. - 5:00 p.m.

Room: Continental 2, Hilton, Ballroom Level (Panel Session)

Political Geography Specialty Group

1473 Political Geography plenary: John O'Loughlin presents on thirty-five years of political geography and Political Geography -- the good, the bad and the ugly (Sponsored by Political Geography Specialty Group)

Tuesday, March 29, 12:40 p.m. - 2:20 p.m.

Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)

Population Specialty Group

3471 Population Specialty Group: Lifetime Achievement Award for John Weeks (Sponsored by Population Specialty Group)

Thursday, March 31, 1:20 p.m. - 3:00 p.m.

Room: Golden Gate Room, Hotel Nikko, 25th Floor (Paper Session)

Qualitative Research Specialty Group

4502 Finding Funding for Qualitative Research (Sponsored by Qualitative Research Specialty Group)

Friday, April 1, 3:20 p.m. - 5:00 p.m.

Room: Golden Gate 2, Hilton, Lobby Level (Panel Session)

Remote Sensing Specialty Group

3531, 3631 Remote Sensing Student Honors Paper Competition I & II (Sponsored by Remote Sensing Specialty Group)

Thursday, March 31, 3:20 p.m. - 5:00 p.m., 5:20 p.m. - 7:00 p.m.

Room: Union Square 4, Hilton, 4th Floor (Paper Sessions)

Retired Geographers Affinity Group

2272 Why Not Make Retirement the High Point of a Geography Academic Career? (Sponsored by Retired Geographers Affinity Group, Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group)

Wednesday, March 30, 10:00 a.m. - 11:40 p.m.

Room: Bay View Room, Hotel Nikko, 25th Floor (Panel Session)

Rural Geography Specialty Group

4146, 4246, 4446 New Voices in Rural Geography I-III (Sponsored by Rural Geography Specialty Group)

Friday, April 1, 8:00 a.m. - 9:40 a.m., 10:00 a.m. - 11:40 a.m., 1:20 p.m. - 3:00 p.m.

Room: Union Square 19, Hilton, 4th Floor (Paper Sessions)

Russian, Central Eurasian, and East European Specialty Group

5509 Panel Discussion: "If I knew then what I know now...." An Open Discussion on Funding for Research "There," "Here," and Navigating "The Field." (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Polar Geography Specialty Group, Graduate Student Affinity Group)

Saturday, April 2, 4:00 p.m. - 5:40 p.m.

Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)

Stand-Alone Geographers Affinity Group

4228 SAGE 1: "The role of geography in nexus thinking: Becoming institutional and community leaders while defending the discipline!" (Sponsored by Stand-Alone Geographers Affinity Group, AAG Jobs and Careers Theme)

Friday, April 1, 10:00 a.m. - 11:40 a.m.

Room: Union Square 1, Hilton Hotel, 4th Floor (Panel Session)

Transportation Geography Specialty Group

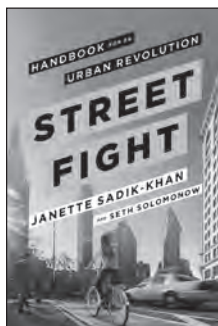
4425 Fleming Lecture in Transport Geography: One Step Beyond: Questing for Sustainable Mobilities in the Global North and South (Sponsored by Transportation Geography Specialty Group)

Friday, April 1, 1:20 p.m. - 3:00 p.m.

Room: Imperial B, Hilton, Ballroom Level (Panel Session)

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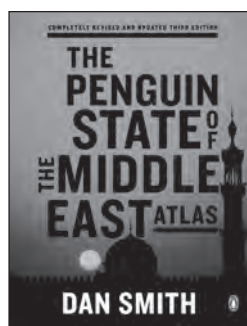
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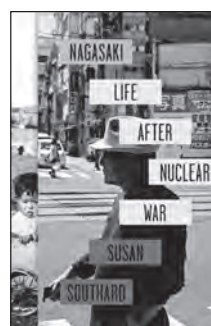
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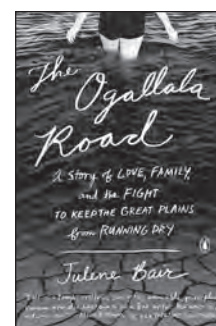
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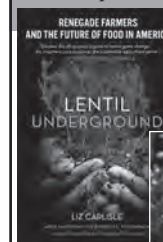
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BOOTH SIGNING

Thursday, March 31st
5:30-6:00 p.m.



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AAG WORLD GEOGRAPHY BOWL

Friday, April 1, 7:30 p.m.

Room: Imperial B, Hilton Hotel, Ballroom Level

Student teams from the AAG's regional divisions will compete in a round-robin tournament starting at 7:30 p.m. in the Imperial B, Hilton Hotel, Ballroom Level. The Championship Round will begin at approximately 10:30 p.m.

The World Geography Bowl Committee would like to thank the AAG for sponsoring the 2016 national competition through its contributions to the student travel fund, which assists regional divisions in sending student team members to compete at the AAG Annual Meeting. The Committee would also like to thank the following organizations for their generous donations of prizes and awards:



Organizers:

Coordinator: Jamison Conley, West Virginia University
 AAG Liaison: Ed Ferguson, American Association of Geographers
 Master Scorekeeper: Lee Ann Nolan (West Virginia University)
 Final Round Judge: Dawn Drake (Missouri Western State University)

Round Robin Volunteers

Richard Deal (Edinboro University)
 Rob Edsall (Idaho National Laboratory)
 Mel Johnson (University of Wisconsin at Manitowoc)
 Paul McDaniel (Kennesaw State University)
 Zia Salim (California State University at Fullerton)

Question Writers:

Tom Bell (University of Tennessee and Western Kentucky University)
 Jamison Conley (West Virginia University)
 Richard Deal (Edinboro University)
 Dawn Drake (Missouri Western State University)
 Peggy Gripshover (Western Kentucky University)
 Jeff Neff (Western Carolina University)
 Lee Ann Nolan (West Virginia University)
 Wesley Reisser (US State Department and George Washington University)

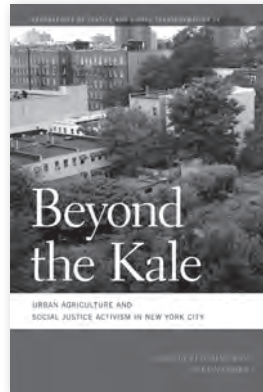
If you are interested in volunteering, please contact Jamison Conley: jamison.conley@mail.wvu.edu.



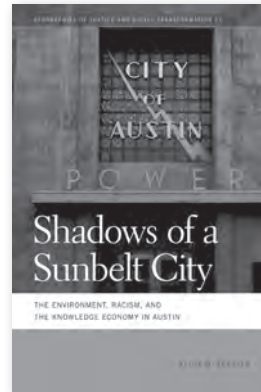
NEW & RECENT FROM GEORGIA

Geographies of Justice and Social Transformation

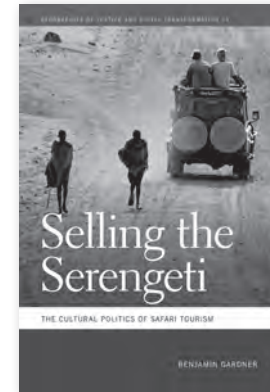
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The Environment, Racism, and the Knowledge Economy in Austin
 Eliot M. Tretter



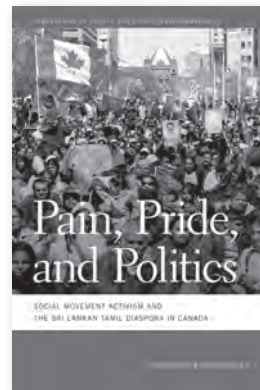
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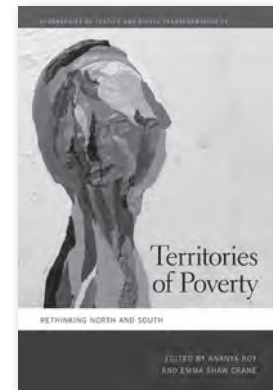
SPACES OF DANGER
Culture and Power in the Everyday
 Edited by Heather Merrill and Lisa M. Hoffman



PRECARIOUS WORLDS
Contested Geographies of Social Reproduction
 Edited by Katie Meehan and Kendra Strauss

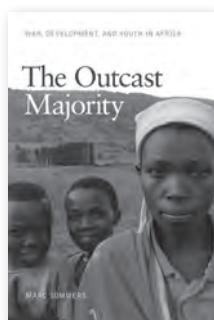


PAIN, PRIDE, AND POLITICS
Social Movement Activism and the Sri Lankan Tamil Diaspora in Canada
 Amarnath Amarasingam



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AAG JOBS & CAREERS CENTER

AAG JOBS & CAREERS CENTER • GENERAL INFORMATION

The Jobs & Careers Center is located in Yosemite A & B, Hilton Hotel, Ballroom Level. It provides a central location for job seekers, students, and professionals to interact with one another and to learn more about careers and professional development for geographers. No additional cost or registration is required for conference participants to visit the Jobs & Careers Center.

Information Booth

The information booth will provide you with a welcome and introduction to the Jobs & Careers Center. Here you can browse a range of materials including brochures, tip sheets, and books related to careers and professional development. Our staff can also answer general questions about the various events and activities happening in the Jobs & Careers Center throughout the Annual Meeting. The information booth will operate from 8:00 am to 5:30 pm from March 29 – April 1.

Career Mentoring

Whether you're looking for your first job, considering graduate school, or changing careers, the advice of a mentor can help prepare you for success in today's competitive job market. The AAG has assembled a team of experienced geography professionals, faculty members, and advanced students to provide one-on-one and small-group consultation about careers in a variety of industries and employment sectors. Topics for discussion might include creating resumes and cover letters that will grab an employer's attention, finding jobs where you can put your geography skills and training to work, choosing a graduate program, developing your personal and professional networks, long-term career planning, and more. Career mentoring sessions will take place March 29- April 1, from 10:00 am to 11:40 am.

Job Postings

Each year, the Jobs & Careers Center features job postings and student opportunities in all fields of geography. Attendees can browse the postings during the career mentoring sessions and or at any time during the conference. Employers are also welcome to post printed ads for open positions within their organizations.

Diversity Ambassadors

A diverse group of graduate students, faculty, and professional geographers serve as AAG Diversity Ambassadors. Volunteers are willing to share their experience and advice about college life, graduate school, job searches, networking, navigating the Annual Meeting, and more. Faculty and employers who seek to achieve greater diversity in their programs and workforces are encouraged to speak with the Ambassadors. AAG Diversity Ambassadors are organizing a panel session at the 2016 Annual Meeting entitled "Embracing Diversity: An Open Discussion with the AAG's Diversity Ambassadors" (session 1626). This panel session, a continuation of similar panels organized in recent years, intends to both build upon and enhance the information provided in alternative conference sessions focused on careers and professional development.

GISCI Certification

Did you know you can earn GISP credits by participating in the AAG Annual Meeting? Attendance provides several ways to earn necessary points for the "Contributions to the Profession" and "Education" components of becoming a GISP. A workshop entitled "The GISP and Professionalism from a Student Perspective" will take place on Thursday, March 31, from 3:20-5:00 pm in the Jobs & Careers Center. Prospective GISPs and current GISPs who have questions about renewing their certification are encouraged to attend. Attendance is first-come, first-served.

AAG JOBS & CAREERS CENTER

AAG JOBS & CAREERS CENTER • SCHEDULE OF ACTIVITIES AND SESSIONS

Yosemite A & B, Hilton Hotel

Tuesday, March 29

- 8:00 am – 9:40 am Panel: *Welcome to the AAG Annual Meeting: A Discussion on Navigating and Making the Most of the Conference*
- 10:00 am – 11:40 am Career Mentoring A
- 12:40 pm – 2:20 pm Workshop: *Career Strategy Series #1: Networking*
- 2:40 pm – 4:20 pm Workshop: *Preparing Geography Students for the 21st Century Workforce*
- 4:40 pm – 6:20 pm Panel: *Geographers in School Enrollment Forecasting and Demography*
- Panel: *Teaching and Advising about Careers in Geography*
- Panel: *Embracing Diversity: An Open Discussion with the AAG's Diversity Ambassadors*

Wednesday, March 30

- 8:00 am – 9:40 am Panel: *Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers*
- Panel: *The Changing Faculty Scene*
- 10:00 am – 11:40 am Career Mentoring B
- Panel: *Geospatial Technologies and Geography Education in a Changing World*
- 1:20 pm – 3:00 pm Panel: *The Academic Job Market for Geographers: Strategies for Improving Career Preparation*
- Panel: *The Changing Geographic Workforce: "Identifying and Applying to Non-traditional Careers in Geography"*
- 3:20 pm – 5:00 pm Panel: *Internships and Work-Based Learning as Career Preparation*
- Paper Session: *The Environment as a Profession*

Thursday, March 31

- 8:00 am – 9:40 am Panel: *Beyond the Ivory Tower B: Preparing Geographers for Government and Nonprofit Careers*
- Panel: *Family, Life, and Academia*
- 10:00 am – 11:40 am Career Mentoring C
- Paper Session: *Continuing Conversations: Strategies for the Promotion of Positive Mental Health in the Academy*
- 1:20 pm – 3:00 pm Panel: *Connecting Practitioners and Students – Advice on Career Development in the Field of Location Intelligence*
- Panel: *It's Called a Life: Moving Beyond Work-Life Balance to Achieve more Care-full Universities*
- 3:20 pm – 5:00 pm Workshop: *The GISP and Professionalism from a Student Perspective*
- Workshop: *Career Strategy Series #2: Resume and Cover Letter Writing*
- 5:20 pm – 7:00 pm Panel: *Career & Professional Development Advice for International Graduate Students*

Friday, April 1

- 8:00 am – 9:40 am Paper Session: *Careers and Professional Development Paper Session*
- 8:30 am – 11:30 am Workshop: *Walking the Tightrope: Making Ideas on Power and Resilience Practical for Women's Careers In Geography*
- 10:00 am – 11:40 am Career Mentoring D
- 1:20 pm – 3:00 pm Panel: *Working Abroad: International Job Opportunities for Geographers*
- Panel: *Summer of Maps Fellowship Case Studies*
- 3:20 pm - 5:00 pm Workshop: *Career Strategy Series #3: Interviewing for Employment*
- Workshop: *Create Web Maps and Apps with Your Work*
- 5:20 pm - 7:00 pm Panel: *Developing Experiential Learning Opportunities in Geography Curricula*

***The Jobs & Careers information booth will open from
8:00 am to 5:30 pm daily, March 29 – April 1
in the Yosemite Foyer of the Hilton Hotel.***

AAG JOBS & CAREERS CENTER

CAREERS AND PROFESSIONAL DEVELOPMENT SESSIONS

There are many special sessions at the AAG Annual Meeting on careers in geography, professional development, and employment opportunities. They are listed below with their session numbers, times and locations.

TUESDAY, MARCH 29

1127: Welcome to the AAG Annual Meeting: A Discussion on Navigating and Making the Most of the Conference

8:00 – 9:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by American Association of Geographers, Graduate Student Affinity Group, AAG Jobs and Careers Theme

1227: Career Mentoring A

10:00 – 11:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

1260: Advising the Next Generation of Geography Undergraduates

10:00 – 11:40 am in Van Ness Room, Hilton Hotel, 6th Floor
Sponsored by Geography Education Specialty Group, Community College Affinity Group, AAG Jobs and Careers Theme

WS #1-2: Writing Successfully for the Journal of Geography in Higher Education (JGHE)

4:40 – 6:20 pm in Room B
Sponsored by *Journal of Geography in Higher Education & Taylor Francis Routledge*, AAG Jobs and Careers Theme

WS #1-3: Career Strategy Series #1: Networking

12:40 – 2:20 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

WS #1-4: Preparing Geography Students for the 21st Century Workforce

2:40 – 4:20 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

1526: Geographers in School Enrollment Forecasting and Demography

2:40 – 4:20 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by Population Specialty Group, AAG Jobs and Careers Theme

1626: Embracing Diversity: An Open Discussion with the AAG's Diversity Ambassadors

4:40 – 6:20 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

1627: Teaching and Advising about Careers in Geography

4:40 – 6:20 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

WEDNESDAY, MARCH 30

2126: The Changing Faculty Scene

8:00 – 9:40 am in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by Geography Education Specialty Group, AAG Jobs and Careers Theme

2127: Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers

8:00 – 9:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by Private/Public Affinity Group, AAG Jobs and Careers Theme

2180: Coding and App Development in Geography and GIS Education I

8:00 – 9:40 am in Vienna South, Marker Hotel, Lower Level
Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Applied Geography Specialty Group, AAG Jobs and Careers Theme

2226: Geospatial Technologies and Geography Education in a Changing World

10:00 – 11:40 am in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by Geography Education Specialty Group, AAG Jobs and Careers Theme

2227: Career Mentoring B

10:00 – 11:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

2280: Coding and App Development in Geography and GIS Education II

10:00 – 11:40 am in Vienna South, Marker Hotel, Lower Level
Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, Spatial Analysis and Modeling Specialty Group, AAG Jobs and Careers Theme

2371: Business Geography Keynote: Cisco Systems and the Power of Geography and Location to Business

11:50 – 1:10 pm in Golden Gate Room, Hotel Nikko, 25th Floor
Sponsored by Business Geography Specialty Group, AAG Jobs and Careers Theme

2421: San Francisco Infrastructure – Planning and Managing for Change in the Bay Region

1:20 – 3:00 pm in Franciscan B, Hilton Hotel, Ballroom Level
Sponsored by Energy and Environment Specialty Group, AAG Jobs and Careers Theme

2426: The Changing Geographic Workforce: “Identifying and Applying to Non-traditional Careers in Geography”

1:20 – 3:00 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

2427: The Academic Job Market for Geographers: Strategies for Improving Career Preparation

1:20 – 3:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

AAG JOBS & CAREERS CENTER

2512: The James R. Anderson Distinguished Lecture, Applied Geography: Extending its Reach through GIS
3:20 – 5:00 pm in Continental 2, Hilton Hotel, Ballroom Level
Sponsored by Applied Geography Specialty Group, AAG Jobs and Careers Theme

2519: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 1 of 3)
3:20 – 5:00 pm in Continental 9, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

2526: The Environment as a Profession
3:20 – 5:00 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

2527: Internships and Work-Based Learning as Career Preparation
3:20 – 5:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

2619: Speed-Dating with an NSF Program Officer (Opportunity 1 of 3)
5:20 – 7:00 pm in Continental 9, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

THURSDAY, MARCH 31

3113: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 2 of 3)
8:00 – 9:40 am in Continental 3, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

3126: Family, Life, and Academia
8:00 – 9:40 am in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

3127: Beyond the Ivory Tower B: Preparing Geographers for Government and Nonprofit Careers
8:00 – 9:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by Private/Public Affinity Group, AAG Jobs and Careers Theme

FT #4-6: Tour San Francisco's Unique Infrastructure – Sunset Solar Reservoir, Oceanside Water Pollution Control Plant, Crystal Springs Reservoir, Pulgas Water Temple
8:30 am – 3:00 pm
Sponsored by AAG Jobs and Careers Theme

3209: The AAG-Esri GeoMentors Program: Supporting GIS and Geography in K-12 Education
10:00 – 11:40 am in Plaza A, Hilton Hotel, Lobby Level
Sponsored by AAG Jobs and Careers Theme

3213: Speed-Dating with an NSF Program Officer (Opportunity 2 of 3)
10:00 – 11:40 am in Continental 3, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

3226: Continuing Conversations: Strategies for the Promotion of Positive Mental Health in the Academy
10:00 – 11:40 am in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by Disability Specialty Group, Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Thriving in a Time of Disruption in Higher Education Featured Theme, AAG Jobs and Careers Theme

3227: Career Mentoring C
10:00 – 11:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

3426: It's Called a Life: Moving Beyond Work-Life Balance to Achieve more Care-full Universities
1:20 – 3:00 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by Disability Specialty Group, Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Thriving in a Time of Disruption in Higher Education Featured Theme, AAG Jobs and Careers Theme

3427: Connecting Practitioners and Students – Advice on Career Development in the Field of Location Intelligence
1:20 – 3:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by Business Geography Specialty Group, AAG Jobs and Careers Theme

WS #3-3: Career Strategy Series #2: Resume and Cover Letter Writing
3:20 – 5:00 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

WS #3-4: The GISP and Professionalism from a Student Perspective
3:20 – 5:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

3505: Getting Funded vs. Staying Funded: Former NSF Program Officers Speak Out on Strategic Proposal Submission & the State of Science Funding
3:20 – 5:00 pm in Golden Gate 5, Hilton Hotel, Lobby Level
Sponsored by AAG Jobs and Careers Theme

3523: Professional Development in Geography Education
3:20 – 5:00 pm in Franciscan D, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

3627: Career & Professional Development Advice for International Graduate Students
5:20 – 7:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

AAG JOBS & CAREERS CENTER

FRIDAY, APRIL 1

4127: Careers and Professional Development Paper Session

8:00 – 9:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, AAG Jobs and Careers Theme

4182: Careers, Education, Identity, Tourism, Food, Energy

8:00 – 9:40 am in Beijing, Marker Hotel, 2nd Floor
Sponsored by AAG Jobs and Careers Theme

FT #5-6: San Francisco's Road to Zero Waste – Tour Recology's Total Urban Recycling Operating Facilities

8:30 am – 1:00 pm
Sponsored by AAG Jobs and Careers Theme

WS #4-1: Walking the Tightrope: Making Ideas on Power and Resilience Practical for Women's Careers in Geography

8:30 – 11:30 am in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4227: Career Mentoring D

10:00 – 11:40 am in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4228: SAGE 1: "The Role of Geography in Nexus Thinking: Becoming Institutional and Community Leaders while Defending the Discipline!"

10:00 – 11:40 am in Union Square 1, Hilton Hotel, 4th Floor
Sponsored by Stand-Alone Geographers Affinity Group, AAG Jobs and Careers Theme

4413: Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 3 of 3)

1:20 – 3:00 pm in Continental 3, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4426: Summer of Maps Fellowship Case Studies

1:20 – 3:00 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4427: Working Abroad: International Job Opportunities for Geographers

1:20 – 3:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4428: SAGE 2 "All By Myself": Making the Most as a Stand-Alone Geographer

1:20 – 3:00 pm in Union Square 1, Hilton Hotel, 4th Floor
Sponsored by Stand-Alone Geographers Affinity Group, AAG Jobs and Careers Theme

4451: The Geography of Entrepreneurship and its Ecosystems – I

1:20 – 3:00 pm in Mason A, Hilton Hotel, 6th Floor
Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group, AAG Jobs and Careers Theme

4474: The Art of Grant Proposal Writing: Supporting Women in Geography Across the Sub-disciplines, 4th Annual Panel

1:20 – 3:00 pm in Bellevue Room, Marker Hotel, Lobby Level
Sponsored by Graduate Student Affinity Group, Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group, AAG Jobs and Careers Theme

4486: Transforming Work in Mobile Worlds 1: Belonging, Emotions, Bodies

1:20 – 3:00 pm in Salon I, JW Marriott Hotel, 2nd Floor
Sponsored by AAG Jobs and Careers Theme

WS #4-2: Create Web Maps and Apps with Your Work

3:20 – 5:00 pm in Yosemite A, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

WS #4-3: Career Strategy Series #3: Interviewing for Employment

3:20 – 5:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4513: Speed-Dating with an NSF Program Officer (Opportunity 3 of 3)

3:20 – 5:00 pm in Continental 3, Hilton Hotel, Ballroom Level
Sponsored by AAG Jobs and Careers Theme

4551: The Geography of Entrepreneurship and its Ecosystems – II

3:20 – 5:00 pm in Mason A, Hilton Hotel, 6th Floor
Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group, AAG Jobs and Careers Theme

4586: Transforming Work in Mobile Worlds 2: Temporalities, Aspirations, Becoming

3:20 – 5:00 pm in Salon I, JW Marriott Hotel, 2nd Floor
Sponsored by AAG Jobs and Careers Theme

4627: Developing Experiential Learning Opportunities in Geography Curricula

5:20 – 7:00 pm in Yosemite B, Hilton Hotel, Ballroom Level
Sponsored by Geography Education Specialty Group, AAG Jobs and Careers Theme

4651: The Geography of Entrepreneurship and its Ecosystems – III

5:20 – 7:00 pm in Mason A, Hilton Hotel, 6th Floor
Sponsored by Economic Geography Specialty Group, Business Geography Specialty Group, AAG Jobs and Careers Theme

4686: Transforming Work in Mobile Worlds 3: Politics, Technologies, Intensities

5:20 – 7:00 pm in Salon I, JW Marriott Hotel, 2nd Floor
Sponsored by AAG Jobs and Careers Theme

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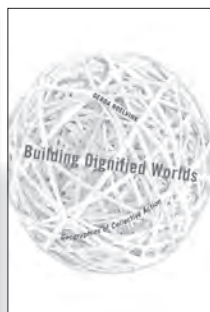
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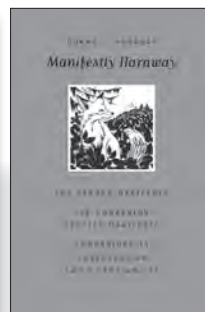
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Coding and App Development in Geography and GIS Education I (2180)

Wednesday, March 30, 8:00 a.m. - 9:40 p.m.
Room: Vienna South, Marker Hotel, Lower Level

Expanding STEM Across Campus Using GIS (2207)

Wednesday, March 30, 10:00 a.m. - 11:40 a.m.
Room: Golden Gate 7, Hilton Hotel, Lobby Level

Higher Education Pedagogy (3123)

Thursday, March 31, 8:00 a.m. - 9:40 a.m.
Room: Franciscan D, Hilton Hotel, Ballroom Level

Symposium on Human Dynamics Research: A Dark Side to Data-Centric Geography? Where are the Reward Systems? (4403)

Friday, April 1, 1:20 p.m. - 3:00 p.m.
Room: Golden Gate 3, Hilton Hotel, Lobby Level

ROUTLEDGE

Featured Lecture Tourism Studies Dr. Margaret Swain (2409)

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.
Room: Plaza A, Hilton Hotel, Lobby Level

The Roepke Lecture in Economic Geography: "Boots on the Ground, Who is Footing the Bill? The Human Costs Of Modern Warfare: American Military Forces and the Iraq and Afghanistan Wars (OIF-OEF)" - Amy Glasmeier, Massachusetts Institute of Technology (3609)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.
Room: Plaza A, Hilton Hotel, Lobby Level

Local Environment Twentieth Anniversary Panel: Justice and Sustainability the Next 20 year (2612)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.
Room: Continental 2, Hilton Hotel, Ballroom Level

CITY journal sessions #1-1: The Urban Process under Planetary Accumulation by Dispossession (2571)

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.
Room: Golden Gate Room, Hotel Nikko, 25th Floor

CITY journal sessions #1-2: The Urban Process under Planetary Accumulation by Dispossession (2671)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.
Room: Golden Gate Room, Hotel Nikko, 25th Floor

CITY Journal Sessions #2: The Practical Person's Guide to the city, urbanisation, and the planet (3465)

Thursday, March 31, 1:20 p.m. - 3:00 p.m.
Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor

CITY journal sessions #3: Amateur Urbanism (3565)

Thursday, March 31, 3:20 p.m. - 5:00 p.m.
Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor

Regional Studies Association Annual Lecture: Michael Webber (1605)

Tuesday, March 29, 4:40 p.m. - 6:20 p.m.
Room: Golden Gate 5, Hilton Hotel, Lobby Level

Territory Politics Governance Annual Lecture: Saskia Sassen (2509)

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.
Room: Plaza A, Hilton Hotel, Lobby Level

Area Development and Policy Journal Launch: Ray Hudson (2425)

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.
Room: Imperial B, Hilton Hotel, Ballroom Level

Physical Geography: Challenges of the "Anthropocene" Poster Session (3561, 3661)

Thursday, March 31, 3:20 p.m. - 7:00 p.m.
Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level

WILEY

The 2016 Antipode AAG Lecture (2615)

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.
Room: Continental 5, Hilton Hotel, Ballroom Level

IJURR 2016 Lecture. Sabotage, Ostentation, and Attitude: Transformations in Modes of Collective Life in São Paulo's Peripheries (3665)

Thursday, March 31, 5:20 p.m. - 7:00 p.m.
Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor

The Singapore Journal of Tropical Geography Annual Lecture (4673)

Friday, April 1, 5:20 p.m. - 7:00 p.m.
Room: Peninsula Room, Hotel Nikko, 25th Floor

Preparing, submitting and revising an article: Three editors speak out (Sponsored by The Canadian Geographer, Geographical Review, and the Journal of Urban Affairs) (2480)

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.
Room: Vienna South, Marker Hotel, Lower Level

URBAN STUDIES JOURNAL

The Urban Studies Journal Annual Lecture: Transatlantic City (3315)

Thursday, March 31, 11:50 a.m. - 1:10 p.m.
Room: Continental 5, Hilton Hotel, Ballroom Level

UNITED STATES GEOLOGICAL SURVEY

Mapping Global Marine Ecosystems (2312)

Wednesday, March 30, 11:50 a.m. - 1:10 p.m.
Room: Continental 2, Hilton Hotel, Ballroom Level

Geographic Research for the 21st Century - A USGS Perspective (2206)

Wednesday, March 30, 10:00 a.m. - 11:40 a.m.
Room: Golden Gate 6, Hilton Hotel, Lobby Level

Ecological responses to climate variability and extremes in the western US (2529)

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.
Room: Union Square 2, Hilton Hotel, 4th Floor

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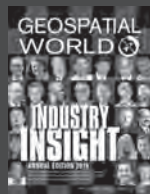
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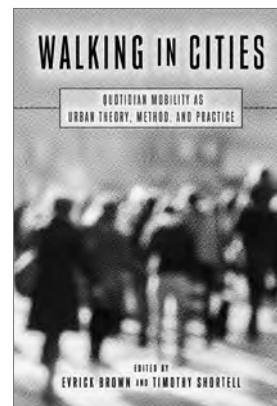
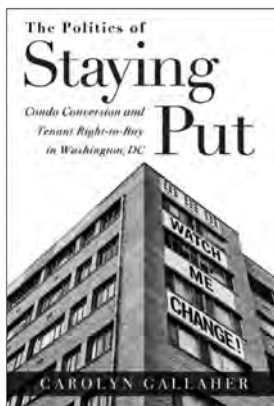
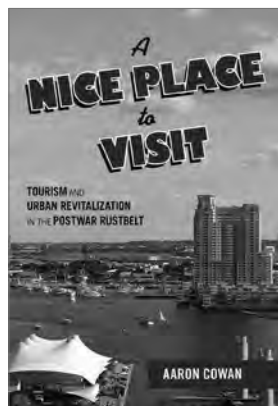
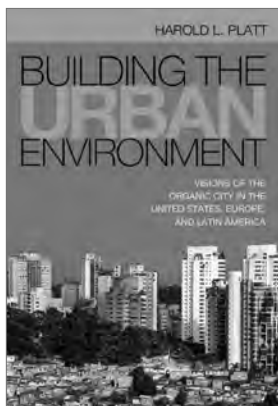
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SPECIAL EVENTS AND MEETINGS SUMMARY

Council Meeting

Sunday, April 19, 12:00 p.m. - 7:00 p.m.
 Monday, April 20, 8:00 a.m. - 6:00 p.m.
 Tuesday, April 21, 8:00 a.m. - 1:00 p.m.
 (*Golden Gate, Nikko, 25th Floor*)

CaGIS Board Meeting

Monday, March 28, 8:00 a.m. - 5:00 p.m.
 (Presidio Room, Nikko, 25th Floor)

TUESDAY, MARCH 29

AAG's Honorary Geographer: Judith Butler – Plenary Session

Tuesday, March 29, 11:50 a.m. - 1:00 p.m.
 (Plaza A, Hilton Hotel, Lobby Level)

CaGIS Editorial Board Meeting

Tuesday, March 29, 4:00 p.m. - 6:00 p.m.
 (*Olympic, Nikko, 25th Floor*)

GeoHumanities Event I: GeoPoetics Poetry Reading – Featured Session

Tuesday, March 29, 4:40 p.m. - 6:20 p.m.
 (*Continental 2, Hilton Hotel, Ballroom Level*)

Lifetime Achievement Award for John Weeks

Tuesday, March 29, 6:20 p.m. - 8:30 p.m.
 (*Golden Gate, Nikko, 25th Floor*)

AAG Opening Session - Presidential Plenary: “Thriving in a Time of Disruption in Higher Education” – Plenary Session

Tuesday, March 29, 6:30 p.m. - 8:00 p.m.
 (*Continental 5, Hilton Hotel, Ballroom Level*)

CaGIS Awards and Members Meeting

Tuesday, March 29, 7:00 p.m. - 9:00 p.m.
 (*Caramel I, Nikko, 3rd Floor*)

WEDNESDAY, MARCH 30

GIS & Technology Poster Session – Featured Session

Wednesday, March 30, 8:00 a.m. - 11:40 a.m.
 (*Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*)

Department Chairs Luncheon - Special Event

Wednesday, March 30, 11:40 a.m. - 2:00 p.m.
 (*Continental 4, Hilton Hotel, Ballroom Level*)

AAG Task Force on Mental Health

Wednesday, March 30, 11:45 a.m. - 1:15 p.m.
 (*Presidio Room, Hilton, Lobby Level*)

Specialty Group Chairs Meeting

Wednesday, March 30, 11:50 a.m. - 1:10 p.m.
 (*Franciscan C, Hilton Hotel, Ballroom Level*)

Cultural Geographies Board Meeting

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.
 (*Presidio Room, Nikko, 25th Floor*)

Transformational Research in Geography – Featured Session

Wednesday, March 30, 1:20 p.m. - 3:00 p.m.
 (*Continental 3, Hilton Hotel, Ballroom Level*)

Support You Publishing Goals Author Networking Event

Wednesday, March 30, 2:30 p.m. - 4:00 p.m.
 (*Grand Ballroom, Hilton, Grand Ballroom Level*)

GeoHumanities Event II: The Past Made Present Author meets critics on David Lowenthal's new book *The Past Is a Foreign Country - Revisited* - Featured Session

Wednesday, March 30, 3:20 p.m. - 5:00 p.m.
 (*Imperial B, Hilton Hotel, Ballroom Level*)

Human Geography Poster Session I - Featured Session

Wednesday, March 30, 3:20 p.m. - 7:20 p.m.
 (*Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level*)

Journal of Geography in High Education

Wednesday, March 30, 4:30 p.m. - 6:30 p.m.
 (*Sunset Room, Hilton, Lobby Level*)

Africa Geographical Review

Wednesday, March 30, 5:00 p.m. - 6:30 p.m.
 (*Olympic, Nikko, 25th Floor*)

GeoHumanities Event III: Special Session featuring Rebecca Solnit and Joshua Jelly-Schapiro: “Mapping the Infinite City” - Featured Session

Wednesday, March 30, 5:20 p.m. - 7:00 p.m.
 (*Imperial B, Hilton Hotel, Ballroom Level*)

Antipode Reception

Wednesday, March 30, 6:00 p.m. - 8:00 p.m.
 (*Continental 5, Hilton, Ballroom Level*)

China Specialty Group Business Meeting

Wednesday, March 30, 7:10 p.m. - 8:10 p.m.
 (*Union Square 14, Hilton Hotel, 4th Floor*)

Climate Specialty Group Business Meeting

Wednesday, March 30, 7:10 p.m. - 8:10 p.m.
 (*Union Square 25, Hilton Hotel, 4th Floor*)

Graduate Student Affinity Group Business Meeting

Wednesday, March 30, 7:10 p.m. - 8:10 p.m.
 (*Union Square 22, Hilton Hotel, 4th Floor*)

Landscape Specialty Group Business Meeting

Wednesday, March 30, 7:10 p.m. - 8:10 p.m.
 (*Union Square 4, Hilton Hotel, 4th Floor*)

SPECIAL EVENTS AND MEETINGS SUMMARY

Political Geography Specialty Group Business Meeting

Wednesday, March 30, 7:10 p.m. – 8:10 p.m.
(Union Square 13, Hilton Hotel, 4th Floor)

Recreation, Tourism, and Sport Specialty Group Business Meeting

Wednesday, March 30, 7:10 p.m. – 8:10 p.m.
(Union Square 19, Hilton Hotel, 4th Floor)

Retired Geographers Affinity Group Business Meeting

Wednesday, March 30, 7:10 p.m. – 8:10 p.m.
(Union Square 20, Hilton Hotel, 4th Floor)

Spatial Analysis and Modeling Specialty Group Business Meeting

Wednesday, March 30, 7:10 p.m. – 8:10 p.m.
(Monterrey I, Hotel Nikko, 3rd Floor)

Africa Specialty Group Business Meeting

Wednesday, March 30, 8:10 p.m. – 9:10 p.m.
(Bellevue Room, Marker Hotel, Lobby Level)

Ethics, Justice, and Human Rights Specialty Group Business Meeting

Wednesday, March 30, 8:10 p.m. – 9:10 p.m.
(Union Square 10, Hilton Hotel, 4th Floor)

European Specialty Group Business Meeting

Wednesday, March 30, 8:10 p.m. – 9:10 p.m.
(Union Square 13, Hilton Hotel, 4th Floor)

THURSDAY, MARCH 31

CLAG - Board Meeting

Thursday, March 31, 8:00 a.m. - 10:00 a.m.
(Olympic, Nikko, 25th Floor)

Human Geography Poster Session II - Featured Session

Thursday, March 31, 8:00 a.m. - 11:40 a.m.
(Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level)

The AAG-Esri GeoMentors Program: Increasing GIS and Geography in K-12 Education - Featured Session

Thursday, March 31, 10:00 a.m. - 11:40 a.m.
(Plaza A, Hilton Hotel, Lobby Level)

Tourism Geographies Editorial Board Meeting (Taylor & Francis)

Thursday, March 31, 11:00 a.m. - 1:00 p.m.
(Olympic Room, Hotel Nikko, 25th Floor)

Applied Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Mason B, Hilton Hotel, 6th Floor)

Bible Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 10, Hilton Hotel, 4th Floor)

Business Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 1, Hilton Hotel, 4th Floor)

Cartography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 3, Hilton Hotel, 4th Floor)

Communication Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 5, Hilton Hotel, 4th Floor)

Community College Affinity Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 11, Hilton Hotel, 4th Floor)

Cryosphere Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Golden Gate 7, Hilton Hotel, Lobby Level)

Cultural Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 25, Hilton Hotel, 4th Floor)

Development Geographies Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 18, Hilton Hotel, 4th Floor)

Energy and Environment Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Franciscan D, Hilton Hotel, Ballroom Level)

Geographic Perspectives on Women Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Golden Gate 8, Hilton Hotel, Lobby Level)

Geographies of Food and Agriculture Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 15, Hilton Hotel, 4th Floor)

History of Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 19, Hilton Hotel, 4th Floor)

Health and Medical Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 22, Hilton Hotel, 4th Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

Indigenous Peoples Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 16, Hilton Hotel, 4th Floor)

Keynote Session: Evolving GIS Technology and its Impacts on Geography - Featured Session

Thursday, March 31, 11:50 a.m. - 1:10 p.m.
(Plaza A, Hilton Hotel, Lobby Level)

Middle East Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Continental 1, Hilton Hotel, Ballroom Level)

Military Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Continental 2, Hilton Hotel, Ballroom Level)

Mountain Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Continental 7, Hilton Hotel, Ballroom Level)

Paleoenvironmental Change Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Continental 8, Hilton Hotel, Ballroom Level)

Population Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Golden Gate Room, Hotel Nikko, 25th Floor)

Private/Public Affinity Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Powell Room B, Hilton Hotel, 6th Floor)

Qualitative Research Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Continental 3, Hilton Hotel, Ballroom Level)

Remote Sensing Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Franciscan C, Hilton Hotel, Ballroom Level)

Russian, Central Eurasian, and East European Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 14, Hilton Hotel, 4th Floor)

Sexuality and Space Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Sutter Room B, Hilton Hotel, 6th Floor)

Socialist and Critical Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Lombard Room, Hilton Hotel, 6th Floor)

Stand-Alone Geographers Affinity Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Mason A, Hilton Hotel, 6th Floor)

Study of the American South Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(VanNess Room, Hilton Hotel, 6th Floor)

Urban Geography Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Golden Gate 6, Hilton Hotel, Lobby Level)

Wine Specialty Group Business Meeting

Thursday, March 31, 11:50 a.m. – 1:10 p.m.
(Union Square 17, Hilton Hotel, 4th Floor)

Changes and Future Trends at Leading Geography Organizations. A conversation with Doug Richardson, AAG; Jack Dangermond, Esri; and Gary Knell, National Geographic Society - Featured Session

Thursday, March 31, 1:20 p.m. - 3:00 p.m.
(Plaza A, Hilton Hotel, Lobby Level)

2016: The International Year of Global Understanding - Featured Session

Thursday, March 31, 3:20 p.m. - 5:00 p.m.
(Plaza A, Hilton Hotel, Lobby Level)

Physical Geography Poster Session II: “Challenges of the Anthropocene” - Featured Session

Thursday, March 31, 3:20 p.m. - 7:00 p.m.
(Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level)

Mona Domosh’s Past President’s Address: Genealogies of Race, Gender, and Place - Special Event

Thursday, March 31, 5:20 p.m. - 7:00 p.m.
(Imperial A, Hilton Hotel, Ballroom Level)

IJURR Reception

Thursday, March 31, 6:00 p.m. - 8:00 p.m.
(Nikko II, Nikko, 3rd Floor)

Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception

Thursday, March 31, 6:45 p.m. - 8:00 p.m.
(Golden Gate, Nikko, 25th Floor)

KAGES - Korea-America Association for Geospatial and Environmental Sciences

Thursday, March 31, 7:00 p.m. - 8:00 p.m.
(Yosemite B, Hilton, Ballroom Level)

AAG International Reception - Special Event

Thursday, March 31, 7:00 p.m. - 9:00 p.m.
(Continental 1, Hilton Hotel, Ballroom Level)

SPECIAL EVENTS AND MEETINGS SUMMARY

Ropke Lecture in Economic Geography Wine Reception

Thursday, March 31, 7:00 p.m. - 9:00 p.m.
(Plaza A, Hilton, Lobby Level)

Canadian Studies Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 14, Hilton Hotel, 4th Floor)

Committee on the Status of Women in Geography (CSWG): Mentoring Network for Women Geographers

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Franciscan A, Hilton Hotel, Ballroom Level)

Cyberinfrastructure Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 18, Hilton Hotel, 4th Floor)

Economic Geography Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 20, Hilton Hotel, 4th Floor)

Environmental Perception and Behavioral Geography Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 10, Hilton Hotel, 4th Floor)

Geomorphology Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 19, Hilton Hotel, 4th Floor)

Hazards, Risks, and Disasters Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 22, Hilton Hotel, 4th Floor)

Human Dimensions of Global Change Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 17, Hilton Hotel, 4th Floor)

Latin America Specialty Group Business Meeting

Thursday, March 31, 7:10 p.m. – 8:10 p.m.
(Union Square 1, Hilton Hotel, 4th Floor)

Historical Geography Editorial Board

Thursday, March 31, 7:15 p.m. - 8:15 p.m.
(Union Square 15, Hilton, 4th Floor)

Texas State Univ. Grosvenor Center for Geographic Education

Thursday, March 31, 7:30 p.m. - 9:30 p.m.
(Monterey II, Nikko, 3rd Floor)

HKBU Department of Geography Reception

Thursday, March 31, 8:00 p.m. - 11:00 p.m.
(Mendocino I, Nikko, 2nd Floor)

Texas State University

Thursday, March 31, 8:00 p.m. - 10:00 p.m.
(Monterey I, Nikko, 3rd Floor)

University at Buffalo (SUNY): alumni Gathering

Thursday, March 31, 8:00 p.m. - 11:00 p.m.
(Bay View, Nikko, 25th Floor)

Biogeography Specialty Group Business Meeting

Thursday, March 31, 8:10 p.m. – 9:10 p.m.
(Union Square 14, Hilton Hotel, 4th Floor)

Cultural and Political Ecology Specialty Group Business Meeting

Thursday, March 31, 8:10 p.m. – 9:10 p.m.
(Union Square 25, Hilton Hotel, 4th Floor)

Geographic Information Science and Systems Group Business Meeting

Thursday, March 31, 8:10 p.m. – 9:10 p.m.
(Nikko Ballroom III, Hotel Nikko, 3rd Floor)

Geography of Religions and Belief Systems Specialty Group Business Meeting

Thursday, March 31, 8:10 p.m. – 9:10 p.m.
(Union Square 18, Hilton Hotel, 4th Floor)

Historical Geography Specialty Group Business Meeting

Thursday, March 31, 8:10 p.m. – 9:10 p.m.
(Mendocino I, Hotel Nikko, 2nd Floor)

Historical Geography Editorial Board

Thursday, March 31, 8:15 p.m. - 9:15 p.m.
(Union Square 15, Hilton, 4th Floor)

FRIDAY, APRIL 1

Physical Geography Poster Session II - Featured Session

Friday, April 1, 8:00 a.m. - 11:40 a.m.
(Grand Ballroom A/B, Hilton Hotel, Grand Ballroom
Level)

The Upcoming US Elections: Reflections and Predictions from a Geographical Point of View (Sponsored by Political Geography Specialty Group) - Featured Session

Friday, April 1, 10:00 a.m. - 11:40 a.m.
(Golden Gate I, Hilton Hotel, Lobby Level)

AAG Membership Survey - Featured Session

Friday, April 1, 11:50 a.m. - 1:10 p.m.
(Golden Gate I, Hilton Hotel, Lobby Level)

Animal Geography Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Nikko Ballroom II, Hotel Nikko, 3rd Floor)

SPECIAL EVENTS AND MEETINGS SUMMARY

Asian Geography Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Union Square 14, Hilton Hotel, 4th Floor)

Disability Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Golden Gate 7, Hilton Hotel, Lobby Level)

Geography Education Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Union Square 10, Hilton Hotel, 4th Floor)

Regional Development and Planning Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Golden Gate 3, Hilton Hotel, Lobby Level)

Rural Geography Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Union Square 19, Hilton Hotel, 4th Floor)

Transportation Geography Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Imperial B, Hilton Hotel, Ballroom Level)

Water Resources Specialty Group Business Meeting

Friday, April 1, 11:50 a.m. – 1:10 p.m.
(Golden Gate 6, Hilton Hotel, Lobby Level)

USNC-IA Meeting

Friday, April 1, 12:00 p.m. - 1:00 p.m.
(Franciscan A, Hilton, Ballroom Level)

Special Session on Disruptive Innovation and the War on Drugs - Featured Session

Friday, April 1, 1:20 p.m. - 3:00 p.m., 3:20 p.m. - 5:00 p.m.
(Imperial A, Hilton Hotel, Ballroom Level)

The American Arctic: The United States as an Arctic Power in Science, Technology and Security - Featured Session

Friday, April 1, 3:20 p.m. - 5:00 p.m.
(Continental 2, Hilton Hotel, Ballroom Level)

AAG - ISUH International Geography, GIScience, and Urban Health Theme: Opening Plenary - Plenary Session

Friday, April 1, 5:20 p.m. - 7:00 p.m.
(Nikko Ballroom, Hotel Nikko, 3rd Floor)

Singapore Journal Reception

Friday, April 1, 6:00 p.m. - 7:30 p.m.
(Peninsula Room, Nikko, 25th Floor)

Applied Mobilities Launch Reception

Friday, April 1, 7:00 p.m. - 8:00 p.m.
(Continental 4, Hilton, Ballroom Level)

Ethnic Geography Specialty Group Business Meeting

Friday, April 1, 7:10 p.m. – 8:10 p.m.
(Union Square 11, Hilton Hotel, 4th Floor)

Coastal and Marine Specialty Group Business Meeting

Friday, April 1, 7:10 p.m. – 8:10 p.m.
(Union Square 22, Hilton Hotel, 4th Floor)

World Geography Bowl

Friday, April 1, 7:30 p.m. - 11:30 p.m.
(Imperial B, Hilton Hotel, Ballroom Level)

SATURDAY, APRIL 2

2016 AAG Awards Luncheon

Saturday, April 2, 11:50 a.m. - 2:00 p.m.
(Nikko Ballroom, Hotel Nikko, 3rd Floor)

American Association of Geographers Business Meeting - Special Event

Saturday, April 2, 2:00 p.m. - 3:40 p.m.
(Mendocino II, Hotel Nikko, 2nd Floor)

SUNDAY, APRIL 3

NSF CyberGIS Curriculum Workshop for Synthesizing Education

Sunday, April 3, 8:30 a.m. - 6:30 p.m.
(Mendocino I, Nikko, 2nd Floor)

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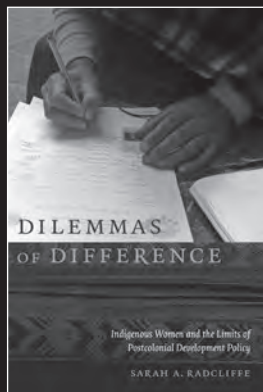


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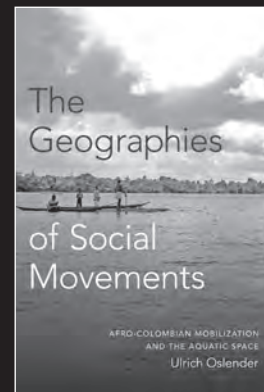
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NEWCOMERS'

Welcome to the AAG Annual Meeting!

This guide has been created by representatives of the Graduate Student Affinity Group (GSAG) and AAG staff to introduce you to the meeting and help you make the most of it. If you have additional questions, stop by the AAG Booth or Registration Desk (Yosemite Foyer, Hilton) for assistance.

General Tips

Manage your schedule. This is the largest geography conference in the world, so you'll find no shortage of activities that reflect your interests. With so much going on, you can't possibly do it all. Consider making a daily agenda to print or transfer to a smartphone and keep your conference program handy to confirm session details.

Download AAG's Mobile APP - a smartphone application that allows attendees to search the program for sessions, events, and other pertinent conference information.

Prioritize your activities. Search the online or printed conference program to identify topics, speakers, and sessions of interest. High-profile activities include plenary talks, keynote addresses, and session tracks organized around the featured themes of each conference.

Be flexible. Don't schedule your time so rigidly that you have to miss out on unexpected opportunities, such as a last-minute opening for an exciting field trip or a spontaneous conversation with a promising new contact. Refer to the daily updates, Geograms, to stay informed of any important announcements, cancellations, scheduling changes, or room location updates.

Get out of your comfort zone. The Annual Meeting is a great opportunity to explore a facet of the discipline that has piqued your curiosity or to become acquainted with a topic or technique that is completely new to you. Each specialty group (SG) highlights one session that showcases its focus, so these presentations are especially helpful for getting introduced to a new area of interest.

Pace yourself! Rest up so you can fully appreciate the conference's offerings. Be sure to set aside time to explore the city, make new contacts, and reconnect with friends and acquaintances as these can be valuable learning, networking, and professional development experiences. Lunch breaks are brief and conference facilities can get quite busy during these times, so consider having a snack and beverage on hand.

Dress for success. "Business casual" attire is appropriate for all conference events. Indoor temperatures can vary; consider wearing layers or carrying a light sweater or jacket. You might need to walk short distances between conference venues, so comfortable footwear is recommended.

Session Types

Paper sessions: Each presenter speaks for 15-20 minutes including Q&A. You are not required to submit a copy of your paper.

Panel sessions: After preliminary comments, the panelists engage in a discussion with Q&A from the audience.

Poster sessions: Presenters are available to discuss their posters for the duration of the session.

Illustrated paper sessions: Presenters give brief talks about their posters. Afterwards, attendees can get a closer look and ask questions.

Plenary sessions: Several plenary sessions featuring highly distinguished speakers are hosted by the AAG, and some specialty groups organize topical plenary talks.

"Author meets critics" sessions: Audience members and panelists comment on a book and discuss it with its author.

Session Participation Tips

Leave and enter quietly if you come or go during a session. If the room is full, find a seat on the floor or stand in the back.

Check out the room before you present, if you can.

Bring your presentation in two formats in case a computer can't read your file.

Introducing yourself to your co-presenters is a good way to network and make connections.

Be respectful of time limits and come well-prepared, having thoroughly rehearsed your presentation. You never know who might be in the audience, so be sure to put your best foot forward!

Consider taking some "time off" before your session to maintain your focus and steady any last-minute jitters.

Bring a few printed copies of your paper or presentation notes to share with audience members or new contacts.

As a presenter, it is polite to stay for the entire session.

Networking Tips

If networking with specific people is high on your list of priorities, try to attend their sessions, or email them ahead of time with a request to connect during the meeting.

Carry business cards to give to new contacts.

Conference badges include participants' affiliations, so keep an eye out for representatives of organizations or departments of interest to you. Badge ribbons will alert you to attendees' roles at the meeting and within the association.

GUIDE



AAG 2016
SAN FRANCISCO

If you attend an excellent talk, or if you have to miss a session of interest, consider following up with the presenter(s) after the meeting by phone or email. Many presenters are willing to share a copy of their presentation or paper upon request.

If you are a shy or introverted person, try a field trip or specialty group activity to meet new people in a smaller group and a more relaxed, informal setting. The “buddy system” is a good strategy for being comfortable at events and activities where you might not already know other participants.

Events and Activities

Field trips and workshops: The program lists numerous opportunities to explore the city and surrounding regions with knowledgeable guides and to participate in workshops on a variety of topics. Advance registration and a fee are required for most field trips and workshops. Sign up early; these fill quickly. To inquire about availability or to register, visit the On-Site Registration Booth.

Exhibit Hall: The Exhibit Hall is a good place to mingle while browsing the booths of exhibitors and vendors, including major geography journal and book publishers. Books and journals are offered for sale and are often discounted for conference attendees. Some exhibitors conduct demonstrations, informal classes, and book receptions at various times during the conference. See the conference program and watch for announcements with further details.

Jobs & Careers Center: The Jobs & Careers Center, located in Yosemite A & B, Hilton Hotel, Ballroom Level, offers career advice, job postings, resources, and networking opportunities for professionals, students, and job seekers. Stop by the Jobs & Careers Information Booth for a schedule of activities and information about careers and professional development activities that will occur throughout the meeting.

Specialty and Affinity Group meetings: Even if you are not yet a member, consider attending a specialty/affinity group business meeting. Although these are not informational sessions, they offer the chance to learn more about the group’s activities and to meet others who share your research interests. Most groups have student representatives on their boards of directors, so getting involved is an excellent way to gain experience and develop your professional network.

Join listservs and AAG Knowledge Communities to receive announcements about other social activities and events.

Special Events

The AAG hosts a large International Reception where you can connect with friends and colleagues and meet new people. This year’s event takes place on Thursday, March 31, from 7:00–9:00 PM in Continental 1-9, Hilton Hotel, Ballroom Level. Free drink tickets are included in your registration packet.

Many academic departments, specialty/affinity groups, and business meetings hold their own receptions, which are great networking opportunities. See the program and bulletin boards for details.

Winners of student awards and recipients of AAG honors are recognized at the Awards Luncheon, held on the last day of the conference. Tickets can be purchased at On-Site Registration.

The World Geography Bowl is a round-robin tournament featuring student teams from the AAG’s regional divisions. It starts at 7:30 pm on Friday, April 1 in Imperial B and Franciscan rooms, Hilton Hotel, Ballroom Level.

Planning for Boston 2017

Register for next year’s Annual Meeting as early as possible to take advantage of discounted rates. If you plan to present at the Annual Meeting, remember that abstracts are due several months in advance.

Many specialty groups give awards for outstanding student papers and posters presented during the Annual Meeting. Details vary by specialty group and may be posted on specialty group websites, AAG Knowledge Communities, and in the *AAG Newsletter*.

The AAG provides a subsidy to registered conference attendees for qualified child care expenses incurred during the meeting.

Students and unemployed/underemployed geographers who are AAG members may apply to serve as conference volunteers to help offset their registration costs.

Further information about all of the above and much more is available at: www.aag.org/annualmeeting.

Events for Newcomers

AAG Booth

Visit the AAG Booth in the Yosemite Foyer of the Hilton Hotel if you have more questions during the conference.

Mentoring Sessions

Drop-in advising open to all conference attendees, with an emphasis on answering questions about careers (Jobs & Careers Center, Yosemite B, Hilton Hotel, Ballroom Level)

Tuesday-Friday, March 29 - April 1

10:00-11:40 AM

Welcome to the AAG Annual Meeting:
Navigating & Making the Most of the Conference

An orientation panel for first-time and newish attendees (Jobs & Careers Center, Yosemite B, Hilton Hotel, Ballroom Level) on Tuesday, March 29, 8:00-9:40AM

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- ✓ Data Capture/Collection
- ✓ DEM- Digital Elevation Model
- ✓ DGPS - Differential GPS
- ✓ Digital City Models
- ✓ Digital Mapping
- ✓ Digital Rights Management
- ✓ Disaster Management/ Monitoring
- ✓ DSM - Digital Surface Model
- ✓ DTM - Digital Terrain Model
- ✓ Dynamic Mapping
- ✓ Earth Observation
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- ✓ Scanning Technology
- ✓ SDI - Spatial Data Infrastructures
- ✓ Smart Grids
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- ✓ Transport
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- ✓ VRS - Virtual Reference Station
- ✓ Web Mapping

Sectors covered:

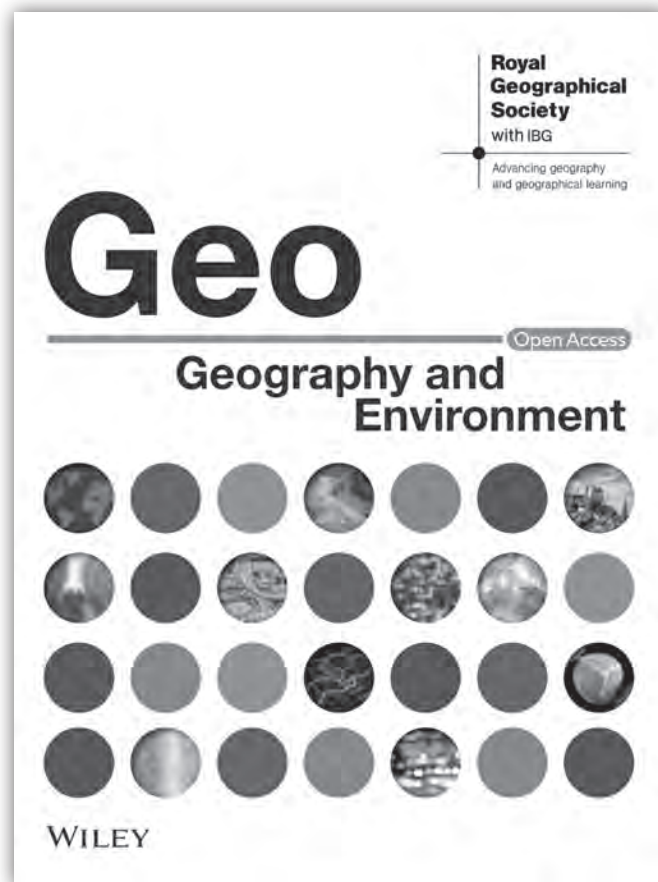
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WORKSHOPS

NOTE: If you have not already registered in advance online, you must visit the AAG Registration Desk to sign up for a Workshop.

MONDAY, MARCH 28

WS #0-1 Public Participation Mapping Methods (PPGIS, PGIS, VGI) for Environmental and Urban Planning

Monday, March 28, 8:30 a.m. – 5:00 p.m.

Organizer: Greg Brown (University of Queensland) & Marketta Kytta (Aalto University)

Capacity: 30

Cost/person: \$31.00

Room: Union Square 8, Hilton Hotel, 4th Floor

Workshop participants will learn the tools, techniques, and approaches being implemented globally to map and understand human/place relationships using geospatial technologies. This workshop will examine the past, the present, and the future of participatory mapping methods (PPGIS/PGIS/VGI) for environmental and urban planning. Topics to be covered in the workshop include: 1) principles of effective public participation, 2) selection of spatial attributes for use in PPGIS/PGIS/VGI, 3) methods and tradeoffs for spatial data collection systems and sampling alternatives, 4) comparison of VGI vs. PPGIS/PGIS systems, 5) spatial planning decision-support systems based on PPGIS, 6) spatial analysis methods for PPGIS data, 7) relationships between place-based values and physical landscapes, and 8) social and institutional barriers to the use and adoption of participatory mapping methods.

TUESDAY, MARCH 29

WS #1-1 High Speed Rail in California: Progress and Prospect

Tuesday, March 29, 9:00 a.m. – 12:30 p.m.

Organizers: Andrew Goetz (University of Denver) & Karen Philbrick (Mineta Transportation Institute)

Capacity: 30

Cost/person: \$10.00

Room: Union Square 8, Hilton Hotel, 4th Floor

After voters approved initial funding in 2008, the California High-Speed Rail Authority (CHSRA) has moved forward with a plan to provide high-speed rail service by 2029 between San Francisco and the Los Angeles basin in under three hours at speeds capable of over 200 miles per hour. This workshop will explore in detail the plan to build the nation's first truly high-speed rail line, the progress that has been achieved thus far, and the major challenges that remain. Representatives from the CHSRA, local planning officials, and academic experts will provide a comprehensive examination of high-speed rail in California.

WS #1-7 Hands-on Workshop for Using the Free Hybrid Spatiotemporal Cloud Services Provided by the NSF Spatiotemporal Innovation Center

Tuesday, March 29, 10:00 a.m. – 12:00 p.m.

Organizer: Chaowei Yang (George Mason University)

Capacity: 30

Cost/person: \$0

Room: Union Square 9, Hilton Hotel, 4th Floor

Cloud computing service is becoming the normal for providing computing support and cyberinfrastructure for scientific research and engineering development. To leverage this evolution for geographers, the NSF spatiotemporal innovation center built a 500-node private cloud services in conjunction with the Amazon public cloud resources. We will introduce how to use the cloud resources to conduct research in the geography domain and \$1500 worth of computing resources will be allocated for each participant. Participant is required to bring your own laptop and have knowledge about how to use the Internet, SSH, and conceptual knowledge of cloud services.

WS #1-2 Writing Successfully for the Journal of Geography in Higher Education (JGHE)

Tuesday, March 29, 4:40 p.m. – 6:20 p.m.

Organizers: Derek France (University of Chester) & Bob Bednarz (Texas A&M University)

Capacity: 25

Cost/person: \$0

Room: Union Square 9, Hilton Hotel, 4th Floor

Sponsored by Journal of Geography in Higher Education & Taylor Francis Routledge

After discussing the mission of the Journal of Geography in Higher Education (JGHE), the organizers will explain the submission, review, and publication processes. Topics will include the nature of material appropriate for submission, the types and level of evidence necessary to support findings, the recommended length of manuscripts, advice about writing for an international readership, and JGHE's citation index. Prospective authors will be encouraged to interact with panelists through an interactive paper review session and to discuss issues specific to manuscripts they are planning or writing.

WS #1-3 Networking: Promoting Yourself by Making Connections that Count

Tuesday, March 29, 12:40 p.m. – 2:20 p.m.

Organizers: Niem Huynh (AAG) & Angela Rogers (Penn State University)

Capacity: 30

Cost/person: \$0

Room: Yosemite B, Hilton Hotel, Ballroom Level

This workshop features the art of networking with a focus on how to develop an effective and memorable "elevator pitch," and what this promotional sound bite about yourself sounds like to

WORKSHOPS

prospective employers in different scenarios. The facilitators will guide participants through an interactive workshop to develop and practice your networking skills on how to: creatively introduce yourself, develop and deliver a dynamic “elevator pitch,” efficiently “work” a room to make connections with key people, and learn questions to ask to keep conversations moving. The activities will be followed by a debriefing and time for Q&A.

WS #1-5 Esri’s Story Maps: A New Medium for Geography-Based Storytelling

Tuesday, March 29, 1:20 p.m. – 3:00 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leaders: Joseph Kerski (Esri) & Allen Carroll (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 9, Hilton Hotel, 4th Floor

Explore best practices on communicating in today's web mapping environment, and creating your own multimedia stories utilizing Esri’s storytelling web apps. Audience, goals, mobile devices, symbology, classification methods, and other considerations and skills will be demonstrated. Hands-on work with Esri’s powerful and easy-to-use Story Maps platform will include how to incorporate various types of multimedia, and how to share your work with selected audiences. We’ll focus on how faculty and students can author story maps, and how to use Story Maps as communication and assessment tools in your instruction. Bring your own laptop if you wish to do hands-on work.

WS #1-4 Preparing Geography Students for the 21st Century Workforce

Tuesday, March 29, 2:40 p.m. – 4:40 p.m.

Organizers: Niem Huynh (AAG) & Michael Solem (AAG)

Leader: Joseph Kerski (Esri)

Capacity: 30

Cost/person: \$0

Room: Yosemite B, Hilton Hotel, Ballroom Level

Despite rapidly evolving and expanding employment opportunities, many students are unfamiliar with the numerous career paths for which a degree in geography can prepare them. Using the recent AAG publication *Practicing Geography: Careers for Enhancing Society and the Environment* (Pearson 2013) as a resource, the workshop facilitators -- who are contributing authors to the book -- will introduce participants to a series of classroom activities that have been designed to raise students' awareness of employment prospects for geographers and to help them recognize and articulate the value of their geography training to potential employers. The participants will then break into small groups to brainstorm ideas for adapting these exercises to the specific needs of students at their grade level and institution type. This workshop is suitable for educators at all grade levels and career stages.

WS #1-6 Compelling Cartography with ArcGIS

Tuesday, March 29, 2:40 p.m. – 4:40 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Ken Field (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

This workshop will showcase a range of techniques that take your map-making beyond the defaults. We’ll illustrate how you can build and style custom base maps for use with your online maps and explore a range of mapping techniques including flow maps, pictorial symbols and cartograms. We’ll also explore how you can create artistic maps with beautiful hill shades, different terrain representation and 3D. We’ll show how to take advantage of new and powerful cartographic features in ArcGIS Pro, where to download some great free cartographic tools and how to begin to think creatively to create beautiful and compelling maps.

WEDNESDAY, MARCH 30

WS #2-2 Incorporating ArcGIS Pro into your Curriculum: Lessons Learned

Wednesday, March 30, 10:00 a.m. – 11:40 a.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Brendan O’Neill (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

Learn from our experience of using Esri’s newest desktop application in the classroom. This workshop will explain what to prepare for and what to get excited about when implementing ArcGIS Pro in your curriculum.

WS #2-1 Oral History, Radical Mapping and Direct Action. The Anti-Eviction Mapping Project Workshop

Wednesday, March 30, 10:30 a.m. – 12:00 p.m.

Organizers: Florian Opillard (Anti-Eviction Mapping Project) & Erin Mcelroy (Anti-Eviction Mapping Project)

Capacity: 30

Cost/person: \$0

Room: Union Square 9, Hilton Hotel, 4th Floor

In this workshop, members of the Anti-Eviction Mapping Project will describe the oral history project and the processes and frameworks that have been used in organizing against displacement in San Francisco. The goal of the workshop is to pair oral histories with digital maps and direct actions that are collectively constructed in the struggle against gentrification. We see this workshop as a tool to engage more voices, and to share knowledge and skills, so that more people can become involved in collecting stories and creating maps through a participatory approach and mutual aid model.

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WS #2-3 Esri's Story Maps: A New Medium for Geography-Based Storytelling

Wednesday, March 30, 12:40 p.m. – 2:20 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leaders: Joseph Kerski (Esri) & Allen Carroll (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

Explore best practices on communicating in today's web mapping environment, and creating your own multimedia stories utilizing Esri's storytelling web apps. Audience, goals, mobile devices, symbology, classification methods, and other considerations and skills will be demonstrated. Hands-on work with Esri's powerful and easy-to-use Story Maps platform will include how to incorporate various types of multimedia, and how to share your work with selected audiences. We'll focus on how faculty and students can author story maps, and how to use Story Maps as communication and assessment tools in your instruction. Bring your own laptop if you wish to do hands-on work.

WS #2-4 Teaching Web GIS – Lab Design

Wednesday, March 30, 3:20 p.m. – 5:00 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Pinde Fu (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

Want to teach yourself or your students Web GIS? Challenged by the rapidly advancing and expanding technologies? This workshop will explain and demonstrate the 10 chapters/labs in Esri's 2nd edition of Getting to Know Web GIS book, providing you a comprehensive and up-to-date view of ArcGIS technologies on the cloud, server, browser, and mobile platforms. In this workshop, you'll build web apps using the ArcGIS platform. You'll also learn about mobile GIS, real-time GIS, and the new generation ArcGIS API for JavaScript.

THURSDAY, MARCH 31

WS #3-5 Manage Your ArcGIS Online Organization

Tuesday, March 29, 9:00 a.m. – 12:30 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Brendan O'Neill (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

In this workshop we will cover best practices when implementing ArcGIS Online in educational settings. Discussion topics will include credits, roles, collaboration, as well as user and content management. We will focus on keeping up with changes between semesters, years, and what to do when your students graduate.

WS #3-1 Bringing GeoCapabilities to Geography in Higher Education

Thursday, March 31, 10:00 a.m. – 11:40 a.m.

Organizers: Michael Solem (AAG) & Karl Donert (EUROGEO)

Capacity: 30

Cost/person: \$0

Room: Golden Gate 3, Hilton Hotel, Lobby Level

This workshop will introduce the GeoCapabilities concept and approach to geography education. Participants will be encouraged to reflect on the activities and outcomes of the GeoCapabilities Project (<http://www.geocapabilities.org>) and consider how a Capabilities approach, involving Powerful Disciplinary Knowledge, Curriculum Making and Leadership Perspectives can be used to enhance student engagement in higher education, enhance geographical thinking and improve the quality and outcome of higher education courses in disruptive times.

WS #3-2 Population and Environmental Data: The TerraPop Suite for Discovery, Exploration & Integration

Thursday, March 31, 10:00 a.m. – 12:00 p.m.

Organizer: Tracy Kugler (University of Minnesota)

Leaders: Tracy Kugler (Minnesota Population Center) & David Haynes (Minnesota Population Center)

Capacity: 30

Cost/person: \$0

Room: Union Square 9, Hilton Hotel, 4th Floor

This workshop will introduce participants to the TerraPop collection of population and environmental data and a suite of tools for discovering, exploring, and integrating data across the collection. The collection includes census microdata and/or aggregate data for over 160 countries as well as raster data on land cover, land use, and climate. The primary data access application, now with a completely redesigned interface, allows users to integrate selected data from across the collection into

WORKSHOPS

a customized dataset. Other tools include TerraClip, which provides country-level extracts from global rasters, and TerraScope, which facilitates interactive exploration of data in the collection.

WS #3-6 Simple Ways to do More with your Data using Spatial Statistics

Thursday, March 31, 1:20 p.m. – 3:00 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Lauren Bennett (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

This overview will equip you with the basic knowledge necessary to explore data in new and meaningful ways. Stepping through the Spatial Statistics tools one by one, we'll provide a variety of examples to demonstrate the range of questions each tool can address. Concepts covered will include: describing the shape and spatial distribution of data, detecting hot spots and spatial outliers, and mining spatial data to discover unexpected correlations and patterns. Whether you're new to Spatial Statistics or an experienced user, come learn about new tools and applications, and see how others benefit from statistical analysis of their spatial data.

WS #3-3 What's Your History (work)? CV and Cover Letter Writing

Thursday, March 31, 3:20 p.m. – 5:00 p.m.

Organizer: Niem Huynh (AAG)

Capacity: 30

Cost/person: \$0

Room: Yosemite A, Hilton Hotel, Ballroom Level

This workshop provides an overview of CV & Cover Letter writing strategies with focus for non-academic applications. The workshop is founded on activities to illustrate key points and highlight two areas, 1) how to condense an academic CV to a 1 page resume, and 2) how to emphasize transferable skills in application documents. Please bring one copy of your CV and cover letter for the exercise.

WS #3-4 The GISP and Professionalism from a Student Perspective

Thursday, March 31, 3:20 p.m. – 5:00 p.m.

Organizer: Bill Hodge (GISCI)

Capacity: 30

Cost/person: \$0

Room: Yosemite B, Hilton Hotel, Ballroom Level

This presentation will provide geospatial students exposure to professionalism as a concept in their career. It will provide several ways a student can start to assume the mantle of professionalism and give them an idea of how a GISP can help them in their career.

WS #3-7 Spatial Analysis with ArcGIS Online

Thursday, March 31, 3:20 p.m. – 5:00 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Linda Beale (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

This workshop will demonstrate the spatial analysis capabilities available in ArcGIS Online and Portal showing a number of different examples and techniques. ArcGIS Online tools are designed to provide an intuitive, user-friendly experience, offering access to powerful analytics without requiring years of experience. This workshop will start by showing how to load and utilize available data and will advance through how to turn your questions into answers by finding the right tools and understanding how they work. With the availability of GIS tools and data in ArcGIS Online, getting going with spatial analysis has never been easier.

FRIDAY, APRIL 1

WS #4-1 Walking the Tightrope: Making Ideas on Power and Resilience Practical for Women's Careers in Geography

Friday, April 1, 8:30 a.m. – 11:30 a.m.

Organizers: Patricia Solis (Texas Tech University) & Libby Wentz (Arizona State University)

Capacity: 30

Cost/person: \$0

Room: Yosemite A, Hilton Hotel, Ballroom Level

Join us for the third annual workshop in a series of themes addressing career advancement and success for women in Geography. The basis of this year's workshop is to facilitate discussion among men and women to find practical ways to use ideas about power and resilience to not only overcome but also thrive in their careers, whether in academic and nonacademic settings. We aim to explore how to think about promoting a career in favorable or less than ideal institutional contexts while getting beyond setbacks. This year's discussions and activities include:

- Relating to the concept of power
- Power and language
- Resilience and overcoming setbacks
- Surviving and thriving

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WS #4-6 Land Change Analysis

Friday, April 1, 9:00 a.m. – 4:00 p.m.

Organizer: Robert Gilmore Pontius Jr. (Clark University)

Capacity: 30

Cost/person: \$35

Room: Union Square 9, Hilton Hotel, 4th Floor

This workshop includes lecture, discussion and hands-on training concerning GIS-based measurement and simulation of land change. Concepts include: quantity difference, allocation difference, calibration, extrapolation, validation, total operating characteristic and Intensity Analysis (<https://sites.google.com/site/intensityanalysis/>). Typical participants range from graduate students to experienced GIS professionals. Prior experience with GIS is not necessary. Participants should bring their computers on which they have loaded free materials from www.clarku.edu/~rpontius. Participants are entitled to a 50% discount on a general, academic, or student license of TerrSet (www.clarklabs.org). Clark University Professor Robert Gilmore Pontius Jr has presented this workshop dozens of times in 16 countries (<https://www.youtube.com/watch?v=h-wcuY9zmF4&feature=youtu.be>).

WS #4-4 Geo Apps: A New Era of Web Maps

Friday, April 1, 10:00 a.m. – 11:40 a.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Brendan O'Neill (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

GIS is moving into the cloud, and you need to too. In this workshop you will learn to create powerful, engaging, and easily accessible web and mobile apps. Bring your data to life and empower people to answer questions and explore places in new ways.

WS #4-5 Spatial Data Mining: A Deep Dive into Cluster Analysis

Friday, April 1, 1:20 p.m. – 3:00 p.m.

Organizers: Astrid Ng (Esri) & Angela Lee (Esri)

Leader: Lauren Bennett (Esri)

Capacity: 30

Cost/person: \$0

Room: Union Square 8, Hilton Hotel, 4th Floor

Whenever we look at a map, we naturally organize, group, differentiate, and cluster what we see to help us make sense of it. This session will explore four Spatial Statistics techniques designed to do just that: Hot Spot Analysis, Cluster and Outlier Analysis, Grouping Analysis, Similarity Search, and the new Space Time Pattern Mining tools. Through discussions and demonstrations we will learn how to identify significant patterns in our data. We will explore the different questions that each tool can answer, best practices for running the tools, and strategies for interpreting and sharing results.

WS #4-2 Create Web Maps and Apps with Your Work

Friday, April 1, 3:20 p.m. – 5:00 p.m.

Organizer: Daniel McGlone (Azavea)

Capacity: 30

Cost/person: \$0

Room: Yosemite A, Hilton Hotel, Ballroom Level

You've done the work in desktop GIS, but now you want to get it online. This workshop will give an overview of interactive mapping platforms like CartoDB, Mapbox and Leaflet. Then, we'll give a hands-on demonstration of how to import data into CartoDB and make an amazing interactive map and share it with the public.

WS #4-3 What did you say? Interviewing for Employment

Friday, April 1, 3:20 p.m. – 5:00 p.m.

Organizer: Niem Huynh (AAG)

Capacity: 30

Cost/person: \$0

Room: Yosemite B, Hilton Hotel, Ballroom Level

You've been invited for a job interview! How do you prepare and how should you say it? This interactive workshop brings together theory and practice to prepare you for your next interview. The workshop builds on activities and group work to highlight three areas of a strong interview, 1) content of response 2) body language and voice and 3) interview preparation.

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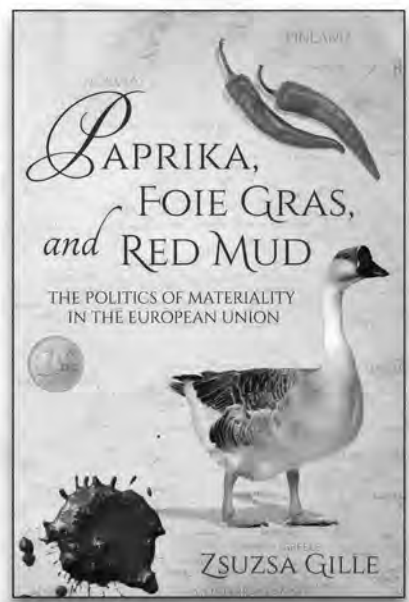
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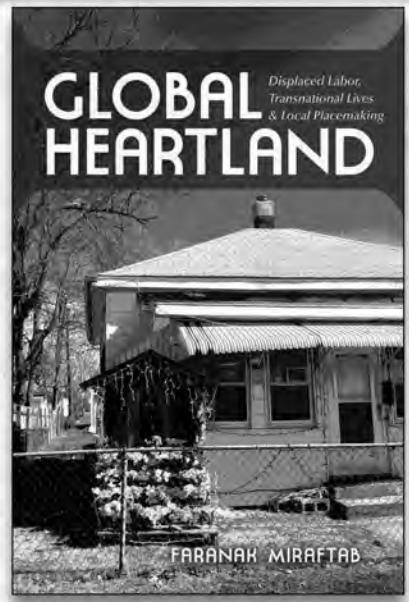
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FIELD TRIPS

Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel.

SUNDAY, MARCH 27

#0-1 Elkhorn Slough by Kayak: Strawberries, Sea Otters, and Tidal Scour

Sunday, March 27, 8:00 a.m. – 5:30 p.m.

Organizers: Elizabeth Watson (Drexel University) & Kathryn Beheshti (University of California, Santa Cruz)

Trip Capacity: 14

Cost/person: \$145.00

Sponsored by: Elkhorn Slough Foundation (Local Land Trust)

This field trip will visit Elkhorn Slough National Estuarine Research Reserve, on the border of Santa Cruz and Monterey counties. The field trip will include kayaking and hiking at one of the most beautiful and imperiled coastal lagoons in California. The participants can expect to view marine mammals, particularly sea otters, which are prevalent in the slough, and learn about conservation issues and restoration projects occurring at the estuary. Join this unique opportunity to visit coastal marsh, seagrass beds, and woodlands, and learn about the ecology of one of the nation's most unique estuaries.

MONDAY, MARCH 28

#1-2 The City - A Backside Tour of San Francisco

Monday, March 28, 10:00 a.m. – 4:00 p.m.

Organizer: Cindy Nance (Mt. San Jacinto College)

Trip Capacity: 27

Cost/person: \$56.85

Join a cultural-historic geographer and eclectic San Francisco taxi driver on a tour of The City's transformative spaces. This guided tour will focus on San Francisco's architecture, art, lifestyles, oddities and eccentricities - beginning with the up-scaling of the Mission District, looking for the infamous Wild Parrots of San Francisco, Haight-Ashbury gentrification and other novelties (lunch/walking tour), Castro revitalization, the Neptune Society Columbarium tour (last remains of an historic 167-acre cemetery) and ending with photo opportunities at the Presidio, Golden Gate Bridge and site of the Panama-Pacific International Exposition - 1915 World's Fair. An odyssey for first-time visitors to San Francisco and those that thought they had seen it all. *Please note that gratuities for our tour guide are accepted.*

TUESDAY, MARCH 29

#2-1 Cemeteries of San Francisco

Tuesday, March 29, 8:00 a.m. – 12:00 p.m.

Organizers: Lawrence Handley (CNL World) & Catherine Lockwood (CNL World)

Trip Capacity: 35

Cost/person: \$40.00

This field trip highlights cemeteries of San Francisco, historic and current locations. We will visit Mission Dolores, the Lone Mountain in the vicinity of the University of San Francisco, and four of the sixteen cemeteries in Colma, a town of 1,400 live and nearly 1.5 million dead residents. We will examine the process of urban morphogenesis and its influence on cemetery development focusing on exclusion and segregation.

#2-2 Scholar-Activists/Activist-Scholars: Cultivating an Ongoing Community of Practice

Tuesday, March 29, 8:30 a.m. – 3:00 p.m.

Organizers: Katharine Bradley (University of California, Davis) & Hank Herrera (C-PREP)

Trip Capacity: 35

Cost/person: \$75.00

Sponsored by: AAG Specialty Group, Food and Agriculture

As a complement to the two sessions, Scholar-Activists/Activist-Scholars: Cultivating an Ongoing Community of Practice, this field trip will take participants to two sites where the line between scholarship and activism is deliberately being blurred by food justice activists. The two sites, Urban Tilth in Richmond and the Gill Tract Farm in Albany, are sites of learning, experimentation, and food production. Urban Tilth develops local knowledge about agroecological practices and food systems, provides technical knowledge to local urban farmers and gardeners, and is active in local and state food policy councils. The Gill Tract Farm was cultivated by community members who occupied University of California-owned land and is a hub for activists holding the university accountable to its public, land grant mission. Through discussions with farmers and activists at these two sites, participants will understand how the tension between academy-based and community-based scholarship and activism is being negotiated at two important food justice sites in the East Bay.

FIELD TRIPS

Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel.

#2-3 Exploring Natural Landscapes North of the Golden Gate to Pt. Reyes

Tuesday, March 29, 9:00 a.m. – 6:30 p.m.

Organizer: William Selby (Santa Monica College)

Trip Capacity: 27

Cost/person: \$95.00

Diverse natural landscapes are found surprisingly close to San Francisco north of the Golden Gate and throughout Marin County. Stops include Marin Headlands views and coast redwoods at Muir Woods. At Pt. Reyes National Seashore, make your own choices for lunch at rustic Pt. Reyes Station. Survey the San Andreas Fault Zone and other Point Reyes landscapes. Experience winding mountain roads, wide ranges of microclimates (prepare with layers), and a long day north of the Bay packed with discussions of geology, weather and climate, plants and animals and human impacts while studying natural and human forces shaping these landscapes.

#2-4 Haunted San Francisco

Tuesday, March 29, 6:40 p.m. – 8:00 p.m.

Organizer: Lucy Stanfield (US EPA)

Trip Capacity: 20

Cost/person: \$20.00

Join your friends and colleagues on the Haunted San Francisco Tour, a nighttime tour that takes you through the seedy, mysterious past of downtown after dark. In the Tenderloin, you'll get chills from tales of our city's unsolved murders, ruthless villains, the old red light district, famed ghosts, cult leaders and more. After the hour-long excursion, the group can debrief at a local bar over cocktails. This tour is led by passionate artist-activist guides from Wild SF Walking Tours, and will include recommendations of their favorite bars, restaurants and stickers, pins, buttons and fun prizes for participants! *Note: This tour is not recommended for children and you are welcome to tip the tour guide.*

WEDNESDAY, MARCH 30

#3-3 Environmental Justice in Southeast San Francisco

Wednesday, March 30, 9:00 a.m. – 12:45 p.m.

Organizers: Lindsey Dillon (University of California, Davis) & Jonathan London (University of California, Davis)

Trip Capacity: 55

Cost/person: \$38.00

The field trip will take participants on a “toxic tour” of San Francisco’s southeast neighborhood of Bayview-Hunters Point. The southeast is historically the industrial area of the city, and includes the Southeast Sewage Treatment Plant, a large waste transfer station, the Hunters Point Naval Shipyard, and hundreds of other toxic sites. The low-income, residential community-of-color is disproportionately and cumulatively impacted by multiple stationary and non-point source forms of pollution. More recently, the community has experienced gentrification due to new up-scale housing and commercial development.

Our tour guides of Bayview-Hunters Point are organizers with Greenaction for Health and Environmental Justice, which has organized in the neighborhood for many years. We will also discuss a new crowd-sourcing web application for community-based reporting of suspected environmental violations, called IVAN (Identifying Violations Affecting Neighborhoods). <http://bvhp-ivan.org/>.

#3-1 North Beach Antique Map Shop Visit

Wednesday, March 30, 10:00 a.m. – 11:30 a.m.

Organizers: Jim Schein (Schein and Schein) & Richard Schein (University of Kentucky)

Trip Capacity: 18

Cost/person: \$15.00

Private visit to North Beach antique map and print shop, including a short, directed walking tour of North Beach neighborhood followed by a discussion of San Francisco historical development, cartography, and photography by local expert and shop owner Jimmie Schein. *Note: this “trip” will begin/meet at 1435 Grant Avenue, San Francisco; participants are responsible for getting transportation to the map shop.*

FIELD TRIPS

Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel.

#3-2 Tasting Wines of Central Europe

Wednesday, March 30, 12:00 p.m. – 3:00 p.m.

Organizers: Conrad Goodwin (Independent Scholar) & Lydia Pulsipher (University of Tennessee)

Leaders: Gisele Carig (Blue Danube Wine Co.) & Joel Kampfe (Eno Wine Bar)

Trip Capacity: 40

Cost/person: \$55.00

Sponsored by: AAG Specialty Group, Wine, Beer & Spirits and Retired Geography Organization

On this field trip we will walk 3-4 blocks to the Eno Wine Bar where we will have the chance to taste a selection of wines from Austria, Hungary, Croatia, Slovenia, Montenegro, and possibly Georgia. Our hosts will be Joel from Eno and Frank and Gisele from the Blue Danube Wine Company. This is an opportunity to sample wines not readily available in many parts of the United States, but which can be purchased and sent directly to your home. Assorted cheeses, charcuterie, almonds, and crackers will be provided.

#3-4 Walk and Explore the Heart of San Francisco: The Civic Center and City Hall Dome

Wednesday, March 30, 1:00 p.m. – 3:00 p.m.

Organizers: Rajrani Kalra (California State University, San Bernardino) & Nicholas Perry (Planning Department, City and County of San Francisco)

Trip Capacity: 15

Cost/person: \$32.00

Sponsored by: AAG Specialty Group, Regional Development and Planning Specialty Group

This walking tour will offer an overview of San Francisco's historic Civic Center, home to most of the City's government and cultural institutions. The tour participants will travel by MUNI (tickets included in the field trip cost) so that they get sufficient time to spend inside the civic center and city hall. San Francisco city planner Nicholas Perry will lead the group around and inside some of the area's major public buildings, culminating with a special guided climb to the top of the dome of San Francisco City Hall. Normally closed to the general public, the top of the dome affords those who make the trek spectacular 360-degree views over the heart of San Francisco. *Please be advised: the climb to the top of the dome involves ascending 250 narrow stairs to a height of approximately 300 feet and should only be attempted by persons in good physical shape. Pregnant women, persons with heart conditions, and those with fear of heights should not attempt the climb.*

THURSDAY, MARCH 31

#4-6 Tour San Francisco's Unique Infrastructure - Sunset Solar Reservoir, Oceanside Water Pollution Control Plant, Crystal Springs Reservoir, Pulgas Water Temple

Thursday, March 31, 8:30 a.m. – 3:00 p.m.

Organizer: Drew Lehman (Environmental Consulting and Education)

Leader: Betsey Lauppe Rhodes (San Francisco Public Utilities Commission)

Trip Capacity: 25

Cost/person: \$35.00

Next, ride along the Pacific to Oceanside Treatment Plant for an overview of the City's combined waste-and-stormwater system (and possible ocean photo-op). Finally, the 15-mile drive along Route 280 to Crystal Springs reservoir is scenic in itself and parallels the San Andreas. SFPUC experts will brief us on water system upgrades including ongoing bio-regional habitat remediation. We lunch at the (1934) Pulgas Water Temple - built to celebrate completion of the Hetch Hetchy Water Supply system.

Sunset Solar Reservoir

Oceanside Treatment Plant

Pulgas Water Temple

Crystal Springs Reservoir

This tour builds on Wednesday's session on San Francisco infrastructure by leading Bay Area professionals. A half-day tour of Recology's San Francisco Total Urban Recycling Facilities follows on Friday, April 1st.

#4-4 Made in San Francisco: The City's Industrial Past, Present and Future

Thursday, March 31, 1:00 p.m. – 5:30 p.m.

Organizers: Teresa Ojeda (SF Planning) & Adrienne Hyder (SF Planning)

Trip Capacity: 27

Cost/person: \$65.00

Despite a much diminished supply of industrial land, small manufacturing is growing in San Francisco. This bus tour offers a historical overview of the City's industrial past, an exploration of enduring factories and a glimpse of emerging production. We'll ride along the waterfront and through South of Market, past vestiges of warehouses and coffee factories repurposed into offices and housing. Our first stop is a tour of Heath Ceramics in the heart of industrial Northeast Mission. After a brief ride around Dogpatch, where new niche production hums along in old canning plants, we'll stop for a tour of the iconic Anchor Brewery (in San Francisco since 1898), capping off with a beer tasting. On our way back, we'll pass through the City's newest neighborhood – Mission Bay – where biotech and "clean" industries stand next to new residential high rises.

FIELD TRIPS

Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel.

#4-1 Geographies of Beer, Part II: San Francisco Beer Geography

Thursday, March 31, 1:00 p.m. – 7:00 p.m.

Organizers: Colleen Hiner (Texas State University) & Ross Martin (Texas State University)

Leaders: Graham Daly (Texas State University) & Jason Henderson (San Francisco State University)

Trip Capacity: 30

Cost/person: \$80.00

Sponsored by: AAG Specialty Group, Wine

On this third annual AAG “beer geographies” field trip, we will explore the geographies of beer in the city of San Francisco. This tour focuses on several breweries located in the South of Market and Mission districts of the city, including the historic South Park and Dogpatch neighborhoods. We will visit four breweries, each with its own unique story and each representing a variety of scales of production and distribution. The field trip combines walking with public transit and will include narration from a San Francisco mobility expert, Dr. Jason Henderson, between tours/tastings.

Participants are encouraged to wear comfortable shoes (we will walk approximately 3 miles over the course of the afternoon), carry a water bottle, and bring \$5-10 for public transit fees as well as enough cash for any desired brewery swag/snacks along the way. All tasting/tour fees and gratuities are otherwise included.

Note: The tour begins at 1:00 PM sharp (please arrive 15 mins early to check-in) at the Hilton and ends at 7:00 PM at Anchor Brewing Company. Participants may choose to return to the conference hotel (on foot, via public transit, or using a taxi/uber) or not at their own discretion.

#4-5 San Francisco Chinatown Walking Tour

Thursday, March 31, 2:00 p.m. – 4:00 p.m.

Organizers: Justin Tse (University of Washington) & David Edgington (UBC Geography)

Trip Capacity: 27

Cost/person: \$5.00

Sponsored by: AAG Specialty Groups, GORABS and China Geography

This walking tour of San Francisco's Chinatown covers the largest Chinatown in the United States. It will be of interest to geographers studying ethnicity, race, religion, and China. Food is available throughout, and much street shopping will be involved. The walking trip is sponsored jointly by the Geography of Religion and Belief Systems and China Geography Specialty Group.

#4-2 The Once and Future Mission: Historical Traces in a Transforming City

Thursday, March 31, 2:00 p.m. – 5:00 p.m.

Organizers: Alexander Tarr (Rice University), Rachel Brahinsky (University of San Francisco) & John Stehlin (University of California Berkeley)

Trip Capacity: 20

Cost/person: \$10.00

Sponsored by: AAG Specialty Group, Urban Geography

Join us for a walk into the complexities of gentrification in SF's Mission District. Discussed internationally as a key site for capital-led urban transformation, the Mission has experienced amplifying waves of displacement, which threaten the erasure of Latina/o, working class, bohemian and queer communities. Still, while the Mission of today is defined by the dominance of the bubbling tech economy, it has also seen the rise of new community tactics for survival and resilience, and rich histories remain. We will emphasize overlooked traces of urban history, which link early colonial incursions to the lives of contemporary diverse working class communities. *Participants should bring \$5-\$10 for public transportation costs.*

#4-3 Geographers Explore the San Francisco Exploratorium

Thursday, March 31, 5:00 p.m. – 10:30 p.m.

Organizers: John Cloud (NOAA Central Library) & Susan Schwartzberg (The Fisher Bay Observatory, San Francisco Exploratorium)

Trip Capacity: 50

Cost/person: \$34.00

We will ride down Market Street to the Embarcadero in historic street cars, to the Exploratorium, one of the world's most innovative science museums. The Exploratorium will host an AAG special event in their series "Conversations about Landscapes" in the Fisher Bay Observatory, which we'll digest with food and drink and conversation while watching night fall over the Bay and the City. Then, off to Exploratorium After Dark, with acres of exhibits and displays to amaze, to touch and interact with, for the rest of the evening, then another historic street car brings up back to the conference.

FIELD TRIPS

Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel.

FRIDAY, APRIL 1

#5-1 What Were They Thinking? The Pacific Coast of the Northern San Francisco Peninsula

Friday, April 1, 8:00 a.m. - 6:00 p.m.

Organizers: Jerry Davis (San Francisco State University) & Leonhard Blesius (San Francisco State University)

Trip Capacity: 27

Cost/person: \$39.00

The San Francisco peninsula Pacific coast is a poster child for what can go wrong when moneyed politics trumps science. First, San Francisco's Ocean Beach, and plans for accommodating sea level rise. Then Daly City, home of poorly sited homes with expansive views intersecting the San Andreas Fault, the 2nd largest landslide on the coast, and the worst-sited landfill in the country. Finally, Pacifica's apartments, built on bluffs of sand, that may or not be there by the conference date. Guest: Bob Battalio, PE, ESA. Theoretical framework: geomorphology and engineering. Deli sandwich lunch. Short hikes on coastal bluffs and beaches.

#5-6 San Francisco's Road to Zero Waste - Tour Recology's Total Urban Recycling Operating Facilities

Friday, April 1, 8:00 a.m. - 6:00 p.m.

Organizer: Drew Lehman (Environmental Consulting and Education)

Leader: Deborah Munk (Recology)

Trip Capacity: 25

Cost/person: \$30.00

Join this tour and learn about recycling and sustainability in San Francisco - a city that diverts more than 80 percent of waste from landfilling and which, in partnership with the City's trash contractor (Recology) has a goal of "zero waste" by 2020. The tour starts at Recology's 47-acre/1,100 ton per day Tunnel Avenue waste transfer station and recycling complex (5 miles north of SFO) and includes a stop at the Household Hazard Waste Facility, a viewing of the transfer station, the organics annex for green and food waste - and other recycling areas. This is also an opportunity to see antique garbage trucks and to meet Artists in Residence - a unique program providing Bay Area artists with access to discarded materials, a stipend, and a large, on-site studio space.

The tour then heads to "Recycle Central" an operating materials recovery facility where plastic, glass, ferrous and non-ferrous metals, tin cans, paper and cardboard are sorted mechanically and by hand. The facility sorts 750 tons of incoming residential and commercial wastes into marketable commodities.

Closed-toe, sturdy shoes are required; pants are recommended. As active industrial recycling sites, the tour may include walking on uneven surfaces and hills.

Note: This Zero Waste tour complements Wednesday's sessions on SF infrastructure (water, power, and sewer) taught by leading Bay Area professionals with a parallel tour of SF Public Utilities (solar, wastewater, reservoir) facilities on Thursday, March 31st.

#5-2 Walking Tour of the Retail Occurring near Union Square and the South of Market Area of San Francisco

Friday, April 1, 9:00 a.m. - 12:30 p.m.

Organizers: Larry Joseph (West Marine) & Brett Lucas (City of Cheney)

Trip Capacity: 27

Cost/person: \$5.00

Sponsored by: AAG Specialty Group, Business Geography

Dr. Joseph and Mr. Lucas will guide a walking tour and discussion of the retail occurring near Union Square, and South of Market neighborhoods. The tour will start with a walk to Union Square (high-end department store retailers), Westfield San Francisco Centre (vertical mall with 1.2 million SF of GLA, including Nordstrom and Bloomingdale's) and the Metreon (opened in 1999 as a Sony "urban entertainment center," with a downtown Target store). Westfield Centre includes many dining options. Throughout the tour, there will be examples of how technology and omni-channel retailing are changing the customer experience. *Note of attendees: Please bring cash for lunch.*

#5-3 North Beach Antique Map Shop Visit

Friday, April 1, 10:00 a.m. - 11:30 a.m.

Organizers: Jim Schein (Schein and Schein) & Richard Schein (University of Kentucky)

Trip Capacity: 18

Cost/person: \$15.00

Private visit to North Beach antique map and print shop, including a short, directed walking tour of North Beach neighborhood followed by a discussion of San Francisco historical development, cartography, and photography by local expert and shop owner Jimmie Schein. *Note: this "trip" will begin/meet at 1435 Grant Avenue, San Francisco; participants are responsible for getting transportation to the map shop.*

FIELD TRIPS

Field trips will depart from Taylor Street Entrance in the San Francisco Hilton Union Square Hotel.

#5-4 Cutting Corners: South of Market, A Transformed Landscape (led by Shaping San Francisco)

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

Organizer: LisaRuth Elliott (Shaping San Francisco)

Trip Capacity: 20

Cost/person: \$30.00

Sponsored by: Shaping San Francisco

On this historical walking tour we discuss the social, economic, and cultural forces which influenced the transformation of the South of Market and Mission Bay landscapes where such things as Chinese shrimping, Southern values, political corruption, and literary inspiration thrived in early San Francisco. We traverse 80 foot sand dunes and waterways divided and sold as waterlots, now filled with remnants of leveled hills. We visit a past—and perhaps future—shoreline and learn the names of disappeared hills, points, and creeks, rediscovering communities who called these hills, valleys, and waterways home over millennia. *Please bring water and a snack.*

#5-5 Street Fight: A Walking Tour of the Politics of Mobility in San Francisco

Friday, April 1, 1:00 p.m. - 5:00 p.m.

Organizer: Jason Henderson (San Francisco State University)

Trip Capacity: 20

Cost/person: \$5.00

Based on the book *Street Fight; The Politics of Mobility in San Francisco*, this walking tour will begin at the conference hotel, and walk up Market Street towards Hayes Valley and the Market and Octavia neighborhoods. Along the way we'll stop at key flashpoints of San Francisco's politics of mobility, including the transformation of Mid-Market by tech companies, the removal of an urban freeway, parking debates, and the politics of bicycle planning on Market Street. The walk lasts approximately four hours.

SATURDAY, APRIL 2

#6-2 Farmers Market Tour

Saturday, April 2, 9:00 a.m. – 4:30 p.m.

Organizers: Allison Brown (Rural Geography SG) & Ben Feldman (Ecology Center)

Trip Capacity: 27

Cost/person: \$58.00

Sponsored by: AAG Specialty Group, Rural Geography

Join us on a tour of some of the best farmers' markets that the San Francisco Bay Area has to offer. We will visit the Alemany Farmers' Market, one of the oldest farmers' markets in the state, the Ferry Plaza Farmers' Market, consistently rated one of the top farmers' markets in the country, and finally we will cross the

bay and visit the Berkeley Farmers' Market to see an innovative nutrition assistance program in action. Please note that this tour involves bus travel between markets and walking within the markets. You may purchase lunch and snacks along the route.

#6-3 Sierra Nevada Uplift Controversy: Ground Truth in the Upper North Fork Feather River Canyon

Saturday, April 2, 9:00 a.m. – Sunday, April 3, 7:00 p.m.

Organizers: Jeffrey Schaffer (Napa Valley College) & William Pepping (Spectir, Reno NV)

Trip Capacity: 35

Cost/person: \$145.00

The Late Cenozoic Sierra Nevada uplift paradigm originated with Whitney's 1865 geologic cross section, which is the reverse of what exists today. Although the entire range has no field evidence to support this paradigm, Whitney's cross section was accepted as fact and since then problematic evidence was produced to verify this paradigm. Today, the type locality to support it is Wakabayashi's work in the upper North Fork Feather River canyon. Ironically, field evidence refuting it lies in the same canyon! We will visit it to resolve the ground truth, plus visit field evidence elsewhere and three historic gold towns. *Please note that breakfast is included on Sunday morning. All other meals will be individual's responsibility.*

#6-4 Bicycle Geographies in San Francisco

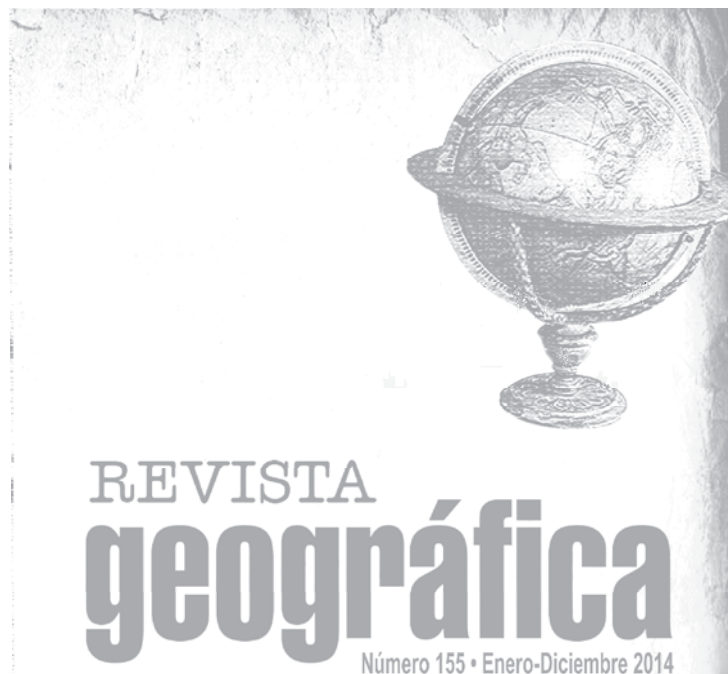
Saturday, April 2, 10:00 a.m. - 2:00 p.m.

Organizers: Jason Henderson (San Francisco State University) & John Stehlin (University of California Berkeley)

Trip Capacity: 14

Cost/person: \$5.00

Join a relaxed-paced bicycle ride through San Francisco from downtown to the Pacific Ocean and back. The tour highlights challenges and opportunities for urban bicycling. Along the way we'll stop at key flashpoints of San Francisco's politics of mobility, including the transformation of Mid-Market by tech companies, the removal of an urban freeway, parking debates, and the politics of bicycle planning along the "wiggles," the Panhandle, Golden Gate Park and Ocean Beach. *The ride is for moderate to skilled cyclists. We will stop for lunch or snacks, and lasts approximately four hours. Bicycle not included, contact Jhenders@sfsu.edu for bicycle rental options.*



Instituto Panamericano de Geografía e Historia

The Geography Commission of the Pan American Institute for Geography and History (PAIGH) calls for submissions to its *Geographic Journal*

The *Geographic Journal* is an annual publication and the main media for technical and scientific communications of the Geography Commission of the Pan American Institute for Geography and History (<http://comisiones.ipgh.org/GEOGRAFIA/>), indexed in Latindex. It includes articles about studies or research covering issues within the various aspects of geography upon which the concern and interest of the geographers of the Pan American world are concentrated, without excluding articles about matters involving other geographic topics.

The languages for publication are the official languages of the PAIGH: Spanish, French, English or Portuguese. All of the manuscripts are peer-reviewed by academics.

For further information on the specific requirements, contact the following e-mail address: hermann.manriquez@gmail.com / publicaciones@ipgh.org

La Comisión de Geografía del Instituto Panamericano de Geografía e Historia (IPGH), invita a enviar artículos para su *Revista Geográfica*

La *Revista Geográfica* es una publicación anual y principal medio de expresión técnico y científico de la Comisión de Geografía del Instituto Panamericano de Geografía e Historia (<http://comisiones.ipgh.org/GEOGRAFIA/>), indizada en Latindex. Incluye artículos sobre estudios y/o investigaciones correspondientes a las más variadas temáticas de la geografía, en las que se concentra la preocupación e intereses de los geógrafos del mundo panamericano, no excluyendo la incorporación de artículos sobre temáticas correspondientes a otras áreas geográficas.

Los idiomas para publicación son los oficiales del IPGH: español, francés, inglés o portugués. Todos los manuscritos son revisados por pares académicos.

Para mayor información sobre los requerimientos específicos dirigirse a la siguiente dirección electrónica: hermann.manriquez@gmail.com / publicaciones@ipgh.org

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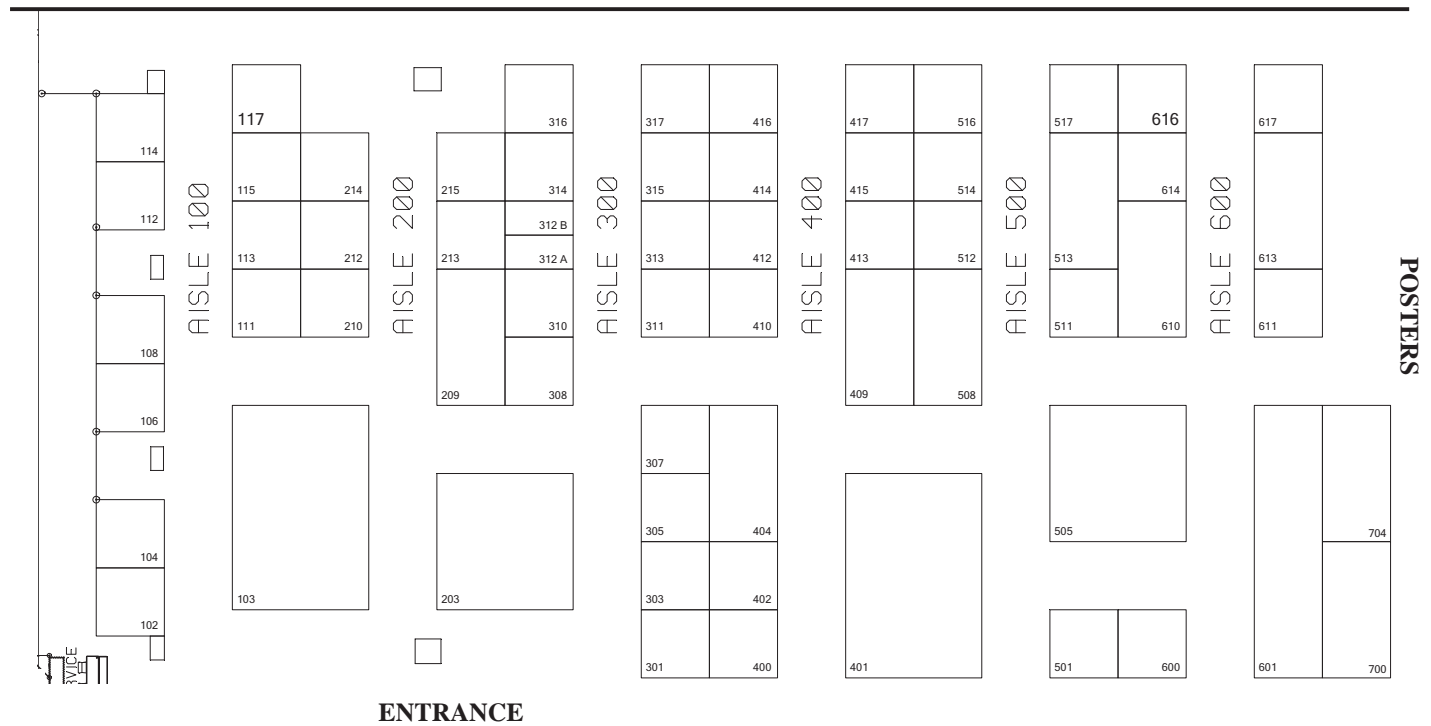
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The AAG Annual Meeting Exhibit Hall is located in the Grand Ballroom, on the Grand Ballroom Level of the Hilton Hotel.



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Take a selfie with your favorite exhibitor at @theAAG and enter to win a free registration to the 2017 AAG Annual Meeting in Boston! Don't forget to use the contest hashtag #AAG16Selfie Tweet your photo no later than Friday, April 1 to be included in the drawing!

EXHIBIT HALL HOURS

Wednesday, March 30
11:30 a.m. – 7:00 p.m. Exhibit Hall Open

Thursday, March 31
11:30 a.m. – 7:00 p.m. Exhibit Hall Open
4:00 p.m. – 7:00 p.m. *Physical Geography, Challenges of the "Anthropocene" reception in the Hall*

Friday, April 1
9:30 a.m. – 1:00 p.m. Exhibit Hall Open

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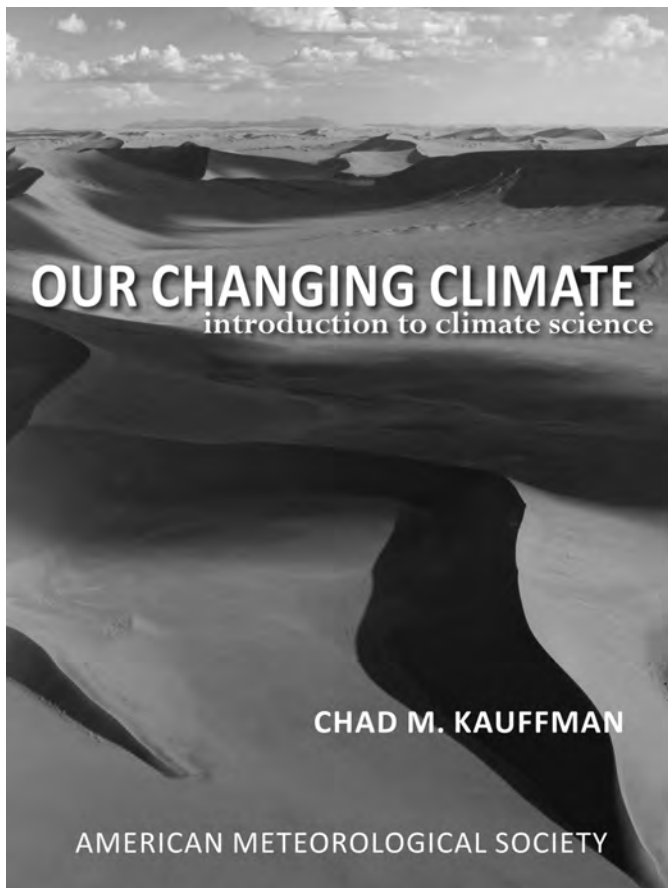
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- ❖ Disaster risk and resilience indicators and measurement
- ❖ Global change and disaster risks
- ❖ Development and risk transition
- ❖ Empirical studies and perspectives on major disaster events

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1. Adhere rigorously to the **TIMES** printed in the program. Each session presentation is assigned a specific time. If you have a no-show, use his or her time for a discussion of the preceding paper(s) or for a recess. Do not shift later papers into such voids. That is unfair to attendees who plan to hear a particular presentation.
2. Consult the program addenda for **CANCELLATIONS** in your session. Paper withdrawals are noted in the daily bulletin. Plan how you will use any free time for the benefit of the session.
3. Hold each individual to the **TIME ALLOTTED**. You will be given four signal sheets by the Conference Volunteer monitoring your room to alert each speaker to the time remaining (10 minutes, 5 minutes, 2 minutes, 1 minute and **STOP**). If a speaker continues after time has expired, rise, ask those present to join you in thanking the speaker, and announce the next presentation. Be polite but implacable. The audience and other speakers will respect and support strong direction on your part.
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AAG's sessions are all numbered with a 4-digit code. The numbers represent the following information:

- 1st digit = day (see below)
- 2nd digit = time period (see below)
- Last two digits = room code (see next page)

Key to days (**1st digit**) is as follows:

- Tuesday = 1
- Wednesday = 2
- Thursday = 3
- Friday = 4
- Saturday = 5

Below are the keys to time slots (**2nd digit**):

Tuesday, March 29

<i>Session #</i>	<i>Time</i>
11xx	8:00 a.m. - 9:40 a.m.
12xx	10:00 a.m. - 11:40 a.m.
13xx	11:50 a.m. - 12:30 p.m.
14xx	12:40 p.m. - 2:20 p.m.
15xx	2:40 p.m. - 4:20 p.m.
16xx	4:40 p.m. - 6:20 p.m.
17xx	6:30 p.m. - 8:00 p.m.
	<i>(AAG Presidential Plenary)</i>

Wednesday, March 30

<i>Session #</i>	<i>Time</i>
21xx	8:00 a.m. - 9:40 a.m.
22xx	10:00 a.m. - 11:40 a.m.
23xx	11:50 a.m. - 1:10 p.m.
24xx	1:20 p.m. - 3:00 p.m.
25xx	3:20 p.m. - 5:00 p.m.
26xx	5:20 p.m. - 7:00 p.m.
27xx	7:10 p.m. - 8:10 p.m.
28xx	8:10 p.m. - 9:10 p.m.

Thursday, March 31

<i>Session #</i>	<i>Time</i>
31xx	8:00 a.m. - 9:40 a.m.
32xx	10:00 a.m. - 11:40 a.m.
33xx	11:50 a.m. - 1:10 p.m.
34xx	1:20 p.m. - 3:00 p.m.
35xx	3:20 p.m. - 5:00 p.m.
36xx	5:20 p.m. - 7:00 p.m.
37xx	7:10 p.m. - 8:10 p.m.
38xx	8:10 p.m. - 9:10 p.m.

Friday, April 1

<i>Session #</i>	<i>Time</i>
41xx	8:00 a.m. - 9:40 a.m.
42xx	10:00 a.m. - 11:40 a.m.
43xx	11:50 a.m. - 1:10 p.m.
44xx	1:20 p.m. - 3:00 p.m.
45xx	3:20 p.m. - 5:00 p.m.
46xx	5:20 p.m. - 7:00 p.m.
47xx	7:10 p.m. - 8:10 p.m.
48xx	8:10 p.m. - 9:10 p.m.

Saturday, April 2

<i>Session #</i>	<i>Time</i>
51xx	8:00 a.m. - 9:40 a.m.
52xx	10:00 a.m. - 11:40 a.m.
53xx	11:50 p.m. - 2:00 p.m.
	<i>(AAG Awards Luncheon)</i>
54xx	2:00 p.m. - 3:40 p.m.
55xx	4:00 p.m. - 5:40 p.m.

Therefore, session 1402 would be held on Tuesday, March 29 (1402) from 12:40 p.m. - 2:20 p.m. (1402) in Golden Gate 2 of the Hilton Hotel(1402).

last two digits = Room code (See next page for list of room code numbers)

FACILITY MAPS:

Hilton Hotel - pages 10-12
 Hotel Nikko - page 14
 Marker Hotel - page 15
 JW Marriott Hotel - page 16

KEY TO ROOMS

Room Code (**last two digits** of session number):

<i>Session Room Code#</i>	<i>Room Name</i>	<i>Facility</i>	<i>Floor/Level</i>	<i>Session Room Code#</i>	<i>Room Name</i>	<i>Facility</i>	<i>Floor/Level</i>
1	Golden Gate 1	Hilton Hotel	Lobby Level	52	Mason Room B	Hilton Hotel	6th Floor
2	Golden Gate 2	Hilton Hotel	Lobby Level	53	Powell Room A	Hilton Hotel	6th Floor
3	Golden Gate 3	Hilton Hotel	Lobby Level	54	Powell Room B	Hilton Hotel	6th Floor
4	Golden Gate 4	Hilton Hotel	Lobby Level	55	Sutter Room A	Hilton Hotel	6th Floor
5	Golden Gate 5	Hilton Hotel	Lobby Level	56	Sutter Room B	Hilton Hotel	6th Floor
6	Golden Gate 6	Hilton Hotel	Lobby Level	57	Taylor Room A	Hilton Hotel	6th Floor
7	Golden Gate 7	Hilton Hotel	Lobby Level	58	Taylor Room B	Hilton Hotel	6th Floor
8	Golden Gate 8	Hilton Hotel	Lobby Level	59	Lombard Room	Hilton Hotel	6th Floor
9	Plaza Room A	Hilton Hotel	Lobby Level	60	VanNess Room	Hilton Hotel	6th Floor
10	Plaza Room B	Hilton Hotel	Lobby Level	61	Grand Ballroom A&B	Hilton Hotel	Grand Ballroom Level
11	Continental 1	Hilton Hotel	Ballroom Level	62	Mendocino I	Hotel Nikko	2nd Floor
12	Continental 2	Hilton Hotel	Ballroom Level	63	Mendocino II	Hotel Nikko	2nd Floor
13	Continental 3	Hilton Hotel	Ballroom Level	64	Nikko I	Hotel Nikko	3rd Floor
14	Continental 4	Hilton Hotel	Ballroom Level	65	Nikko II	Hotel Nikko	3rd Floor
15	Continental 5	Hilton Hotel	Ballroom Level	66	Nikko III	Hotel Nikko	3rd Floor
16	Continental 6	Hilton Hotel	Ballroom Level	67	Monterey I	Hotel Nikko	3rd Floor
17	Continental 7	Hilton Hotel	Ballroom Level	68	Monterey II	Hotel Nikko	3rd Floor
18	Continental 8	Hilton Hotel	Ballroom Level	69	Carmel I	Hotel Nikko	3rd Floor
19	Continental 9	Hilton Hotel	Ballroom Level	70	Carmel II	Hotel Nikko	3rd Floor
20	Franciscan A	Hilton Hotel	Ballroom Level	71	Golden Gate Room	Hotel Nikko	25th Floor
21	Franciscan B	Hilton Hotel	Ballroom Level	72	Bay View Room	Hotel Nikko	25th Floor
22	Franciscan C	Hilton Hotel	Ballroom Level	73	Peninsula Room	Hotel Nikko	25th Floor
23	Franciscan D	Hilton Hotel	Ballroom Level	74	Bellevue Room	Marker Hotel	Lobby Level
24	Imperial A	Hilton Hotel	Ballroom Level	75	Paris North	Marker Hotel	Lobby Level
25	Imperial B	Hilton Hotel	Ballroom Level	76	Paris South	Marker Hotel	Lobby Level
26	Yosemite A	Hilton Hotel	Ballroom Level	77	Athens North	Marker Hotel	Lower Level
27	Yosemite B	Hilton Hotel	Ballroom Level	78	Athens South	Marker Hotel	Lower Level
28	Union Square 1	Hilton Hotel	4th Floor	79	Vienna North	Marker Hotel	Lower Level
29	Union Square 2	Hilton Hotel	4th Floor	80	Vienna South	Marker Hotel	Lower Level
30	Union Square 3	Hilton Hotel	4th Floor	81	Caracas	Marker Hotel	Lower Level
31	Union Square 4	Hilton Hotel	4th Floor	82	Beijing	Marker Hotel	2nd Floor
32	Union Square 5	Hilton Hotel	4th Floor	83	Metropolitan A	JW Marriott Hotel	2nd Floor
33	Union Square 6	Hilton Hotel	4th Floor	84	Metropolitan B	JW Marriott Hotel	2nd Floor
34	Union Square 7	Hilton Hotel	4th Floor	85	Metropolitan C	JW Marriott Hotel	2nd Floor
35	Union Square 8	Hilton Hotel	4th Floor	86	Salon I	JW Marriott Hotel	2nd Floor
36	Union Square 9	Hilton Hotel	4th Floor	87	Salon II	JW Marriott Hotel	2nd Floor
37	Union Square 10	Hilton Hotel	4th Floor	88	Salon III	JW Marriott Hotel	2nd Floor
38	Union Square 11	Hilton Hotel	4th Floor	NA	Sunset Room	Hilton Hotel	1st Floor
39	Union Square 12	Hilton Hotel	4th Floor	NA	Presidio Room	Hilton Hotel	1st Floor
40	Union Square 13	Hilton Hotel	4th Floor	NA	Marina Room	Hilton Hotel	1st Floor
41	Union Square 14	Hilton Hotel	4th Floor	NA	Seacliff Room	Hilton Hotel	1st Floor
42	Union Square 15	Hilton Hotel	4th Floor	NA	Green Room	Hilton Hotel	Ballroom Floor
43	Union Square 16	Hilton Hotel	4th Floor	NA	Union Square 23	Hilton Hotel	4th Floor
44	Union Square 17	Hilton Hotel	4th Floor	NA	Union Square 24	Hilton Hotel	4th Floor
45	Union Square 18	Hilton Hotel	4th Floor	NA	Presidio Room	Hotel Nikko	25th Floor
46	Union Square 19	Hilton Hotel	4th Floor	NA	Olympic Room	Hotel Nikko	25th Floor
47	Union Square 20	Hilton Hotel	4th Floor	NA	Lincoln Room	Hotel Nikko	25th Floor
48	Union Square 21	Hilton Hotel	4th Floor	NA	Merced	Hotel Nikko	25th Floor
49	Union Square 22	Hilton Hotel	4th Floor	NA	Tokyo Boardroom	Marker Hotel	2nd Floor
50	Union Square 25	Hilton Hotel	4th Floor				
51	Mason Room A	Hilton Hotel	6th Floor				

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

For special events, please see the Special Events & Meetings Summary on pages 54-58.

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TUESDAY, MARCH 29 • 8:00 AM - 9:40 AM • 1100

- 1101. Trees in the City 1: Mapping spatial and temporal patterns in the urban forest (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto- Mississauga
 CHAIR(S): Shawn Landry, University of South Florida
8:00 Andrew A Millward, PhD*, Urban Forest Research & Ecological Disturbance (UFRED) Group, Ryerson University; Nikesh Bhagat, Codetuitive and Urban Forest Research & Ecological Disturbance (UFRED) Group; Carla Grant, Toronto Parks and Trees Foundation, *Growing momentum: A retrospective look at Citytrees development.*
8:20 Adam Berland*, Ball State University; Dan Lange, Ball State University, *The promise and limitations of virtual street tree surveys.*
8:40 Andrew K. Johnston*, Smithsonian Institution, *Observing historic tree growth, loss, and replacement in urban residential zones.*
9:00 Angela Robb*, University of Toronto - Mississauga; Tenley Conway, PhD, University of Toronto- Mississauga, *Mapping canopy change in an urban forest following an ice storm event.*
9:20 Lara Roman*, USDA Forest Service, Philadelphia Field Station; Jason P Fristensky, USDA Forest Service, Philadelphia Field Station; Theodore S Eisenman, University of Massachusetts, Amherst; Eric J Greenfield, USDA Forest Service; Robert E Lundgren, University of Pennsylvania, Facilities & Real Estate Services; Chloe Cerwinka, University of Pennsylvania, Facilities & Real Estate Services; David Hewitt, Wagner Free Institute of Science, *Dramatic canopy increase on an urban college campus.*
- 1102. (Im)mobilities in the city - creating knowledge for planning cities in the Global South and postcolonial cities**
Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Tanu Priya Uteng, Institute of Transport Economics; Karen Lucas, Institute of Transport Studies, University of Leeds
 CHAIR(S): Karen Lucas, Institute of Transport Studies, University of Leeds
8:00 Noelani Eidse*, McGill University, *Bargaining with the state - urban governance and the everyday politics of street vending (im)mobilities in Hanoi, Vietnam.*
8:20 Yusak Susilo*, KTH Royal Institute of Technology - Stockholm; Chengxi Liu, KTH Royal Institute of Technology - Stockholm, *Exploring the patterns of Time Use and Immobility in Bandung Metropolitan Area, Indonesia.*
8:40 Daniel Munoz*, University of Edinburgh, *Transporting the 'sudaca' into Modernity: A geography of affects through everyday life mobile experiences in Santiago's public transport.*
9:00 Jacqueline Maria Klopp*, Columbia University; Clemence Cavoli, PhD, University College London, *Mapping Mass Mini-Bus Transit in Maputo and Nairobi: Transparency and Accountability in Transport Planning in African Cities.*
9:20 Daniel Ricardo Oviedo Hernandez*, University College London; Julio D Davila, Professor, UCL; Caren Levy, Professor, UCL, *Transport, poverty, and well-being in post-colonial cities: An examination of travel practices in urban Nigeria.*
- 1103. City-making from the Fringe: Claiming a Right to the City through Everyday Socio-economic Practices**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Lindsay Blair Howe, Swiss Federal Institute of Technology; Lisa Berglund, University of California - Los Angeles; Hugo Sarmiento
 CHAIR(S): Lindsay Blair Howe, Swiss Federal Institute of Technology
8:00 Lisa Berglund*, University of California - Los Angeles, Department of Urban Planning, *A Caricature of Abandonment: The Role of Sensational Rhetoric and 'Expert' Knowledge in the Exclusion of Local Communities from the Planning of Detroit's Future.*
8:20 Hugo Sarmiento*, UCLA, Urban Planning, *The Space Politics of Informal Street Vending in Los Angeles: An Encounter with the Sustainable City.*
8:40 Nihal Perera*, Ball State University, *People's Spaces: From Coping with Abstract Spaces to Creating Lived Spaces.*
 Discussant(s): Lindsay Blair Howe, Swiss Federal Institute of Technology
- 1104. Risk Perception and Resilience Planning (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)**
Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Yekang Ko, University of Texas - Arlington
 CHAIR(S): Karl Kim
8:00 Yekang Ko, Ph.D.*, University of Texas - Arlington; Ann W. Foss, University of Texas at Arlington, *Measuring and Improving Climate and Extreme Weather Literacy in Politically Conservative Regions: the Case of Dallas-Fort Worth.*
8:20 Peter Dunn*, University of Washington; Ann Bostrom, University of Washington; Dan Abramson, University of Washington, *Communicating Uncertain Community Vulnerability with Probabilistic Tsunami Hazard Maps.*
8:40 Sina K. Frank*, University of Cambridge; Anvita Pandey, Doon University, Dehradun, India; Bhaskar Vira, University of Cambridge, *Assessing hazard risk perceptions and hazard knowledge in a participatory research process: A case study from Nainital, Uttarakhand, India.*
9:00 Karl Kim, PhD*, Professor, *Governing Risk: Coastal Hazards in Waikiki, Hawaii.*
 Discussant(s): David Retchless, Texas A&M University at Galveston
- 1105. Economic Geography I - Inventors, Networks, and Big Data (Sponsored by Economic Geography Specialty Group)**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA
 CHAIR(S): Dieter Franz Kogler, University College Dublin
8:00 Frank van der Wouden*, UCLA, *The emergence and evolution of structure in U.S. inventor collaboration networks.*
8:20 Nina Hjertvikrem*, University of Stavanger; Rune Dahl Fitjar, University of Stavanger; Giuseppe Calignano, University of Stavanger, *Networks and Innovation in the Subsea Industry in Rogaland: A Multi-Modal Study of Network Structures.*
8:40 Filipa Pajevic, PhD Student*, McGill University; Richard George Shearmur, Prof., McGill University, *Intra-Urban Labor Mobility: New Perspectives for the Use of Big Data in Urban Analysis.*
9:00 Christopher Ross Esposito*, UCLA, *A Simulation Model of Exploitation, Experimentation, and Regional Technological Evolution.*
 Discussant(s): Frank Van Oort, Utrecht University
- 1106. Governing the Future I: Politics of Emergency (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Kevin Grove, Florida International University;

TUESDAY, MARCH 29 • 8:00 AM - 9:40 AM • 1100

Nathaniel O'grady, Southampton University
 CHAIR(S): Kevin Grove, Florida International University
 Introducer: Nathaniel O'grady
8:05 John Hogan Morris*, University College London, *Finance/ Security and the materiality of money. The Case of Macprudential Stress Testing.*
8:25 Ruth Trumble*, University of Wisconsin - Madison, *Material engagements with the governance of emergencies: flood response and recovery.*
8:45 Florian Moritz Neisser*, Bonn University; Simon Runkel, Heidelberg University, *The future is now! Extrapolated risks, anticipatory action and the management of potential emergencies.*
9:05 Nathaniel O'grady*, Southampton University; Nathaniel O'Grady, N.O'G, Southampton University, *Resilience, Collaboration and the Politics of Protocol.*
 Discussant(s): Stephen Collier, The New School

1107. Creative Placemaking and Beyond: Continuing and re-invigorating the arts-led conversation (part 1) (Sponsored by Cultural Geography Specialty Group)

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Cara Courage, University of Brighton; Anita McKeown, NCAD
 CHAIR(S): Cara Courage, University of Brighton
8:00 Torange Khonsari, PHD student*, public works Ltd, London Metropolitan university, *Temporary architecture as a contemporary typology for place making.*
8:20 Peter Rundkvist*, Business Region Göteborg; Michael Landzelius*, University of Gothenburg, Chalmers, *Creative Placemaking and Urban Social Cohesion -*.
8:40 Margo Handwerker*, University of California, Los Angeles, *Creative Placemaking in Rural Areas.*
9:00 Luísa Alpalhão*, The Bartlett School of Architecture, University College of London, *[outros espaços] a critical view on the participatory process for the physical and social transformation of neglected urban spaces in Beja's Housing Estate, Portugal.*
9:20 Stephen Pritchard*, Northumbria University, Newcastle upon Tyne, UK, *Place Guarding: Social Practice as Direct Action Rather Than Gentrification.*

1108. Advanced Remote Sensing Methods for Land Cover Mapping (Sponsored by Remote Sensing Specialty Group)

Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Rebecca L. Powell, University Of Denver
 CHAIR(S): Desheng Liu, The Ohio State University
8:00 Steven Foga*, SGT Inc., Contractor to USGS EROS Center; Pat Scaramuzza, SGT Inc., Contractor to USGS EROS Center; John Dwyer, USGS EROS Center, *Validation of Landsat 7 and Landsat 8 Cloud Masking Algorithms.*
8:20 Xavier Haro-Carrión*, University of Florida; Jane Southworth, University of Florida, *Classifying a highly fragmented forest landscape in Ecuador.*
8:40 Xianfeng Chen*, Slippery Rock University; James Meehan, Slippery Rock University, *Wetland delineation with Landsat 8 OLI and RADARSAT-2 polarimetric data.*
9:00 Fang Qiu*, University of Texas - Dallas; Yuhong Zhou, Ph.D., UT Southwestern Medical Center, *Curve Matching Approaches to Waveform Classification: A Case Study Using ICESat.*
9:20 Desheng Liu*, The Ohio State University; Shanshan Cai, *Reconstructing Land Cover Trajectories from Dense MODIS Time Series.*

1110. Disruptive Digital Geographies

Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Paul Langley, University of Durham; Andrew Leyshon, University of Nottingham
 CHAIR(S): Philip Ashton, University of Illinois-Chicago
8:00 Paul Langley*, University of Durham; Andrew Leyshon*, University of Nottingham, *Platform Capitalism.*

8:20 Rob Aitken*, University of Alberta, *"All Data is Credit Data": Knowing and Scoring the Underbanked World.*
8:40 James Ash*, Newcastle University, *Digital Interfaces and Debt: affective design, post-phenomenology and high cost short term credit products.*
9:00 John H. West*, Ball State University - Muncie, IN, *The Representational Politics of Digital Disruption: Creating Education Consumers in New York City.*
9:20 Matthew Zook*, University of Kentucky, *Devolving States and Quantifying Individuals: The Contradictory Cases of Bitcoin and Smart Cities.*

1111. Hydroclimatology I (Sponsored by Climate Specialty Group)

Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Natalie Teale, Rutgers University; Trent Ford, Southern Illinois University; Manuel Hernandez, University of North Carolina - Chapel Hill
 CHAIR(S): Natalie Teale, Rutgers University
8:00 Shanshui Yuan*, Department of Geography, Texas A&M University, College Station, Texas; Steven Quiring, Department of Geography, Texas A&M University, College Station, Texas, *Evaluation of Long-term Soil Moisture Proxies in the U.S. Great Plains.*
8:20 Ryann Elizabeth Hall*, Texas A&M University, *Utility of In Situ Soil Moisture for Drought Early Warning in California.*
8:40 Alexandria G. McCombs*, Department of Geography, University of South Carolina; April L Hiscox, Department of Geography, University of South Carolina, *Drought impacts on Carbon Concentrations at the Duke Forest AmeriFlux Stations.*
9:00 Asher Siebert*, Princeton University, *Analysis of Future Potential of Index Insurance in West Africa using CMIP 5 GCM results.*
9:20 Justin Schoof*, Department of Geography and Environmental Resources, SIU Carbondale; Trent Ford, Department of Geography and Environmental Resources, SIU Carbondale, *Coupling between eastern United States warm season extreme equivalent temperatures and soil moisture in high resolution land surface data.*

1112. Society and Environment in the Amazon 1: People, Policy, and the Environment

Room: Continental 2, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Michael Waylen, University of Florida; Alexandra Nicole Sabo, University of Florida; Aghane De Carvalho Antunes, University of Florida
 CHAIR(S): Michael Waylen, University of Florida
8:00 Brent Hayes Millikan*, International Rivers, *The Amazon: Dirty Dams, Dirty Politics and the Myth of Clean Energy.*
8:20 Alexandra Nicole Sabo, M.A.*, University of Florida, *Exploring Displacement, Conflict, and Environmental Change in the wake of the Santo Antonio and Jirau Dams on the Madeira River near Porto Velho, Brazil.*
8:40 Cecilia F Viana*, Universidade De Brasília; Emilie Coudel, PhD, CIRAD; Fabiano Toni, PhD, Universidade de Brasília, *Municipalities in Multi-Level Governance: Outcomes of Policy-Making on Land Cover Change in the Brazilian Amazon.*
9:00 Joao Marcio Palheta, Dr., Universidade Federal do Estado do Para - UFPA; Christian Nunes da Silva, Dr., Universidade Federal do Estado do Para - UFPA; João Francisco Garcia Reis, Instituto de Ensino de Segurança do Pará (IESP); Aghane De Carvalho Antunes*, University of Florida; Clay Anderson Nunes Chagas, Researcher at the Academic Production Group Territory and Environment in the Amazon/GAPTA/CNPq), *Mining And Public Safety In The Brazilian Amazon: Socio-Territorial Changes In Juruti (Pará).*
9:20 Trey D. Crouch*, University of Florida; Jacy Hyde,

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University of Florida; May Lehmensiek, University of Florida; Alexandra Sabo, University of Florida; Roberta De Carvalho, University of Florida; Christine Swanson, University of Florida, *Application of interdisciplinary research on large-scale development projects in the Amazon Basin.*

Sachs Olsen, Queen Mary University of London; Ceri Morgan, Keele University; Marijn Nieuwenhuis, University of Warwick, PAIS/ SOAS

1113. PQN De/Naturing Social Reproduction I (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

Room: Continental 3, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Juliane Céleste Jasmine Collard, University of British Columbia; William McKeithen, University of Washington; Caitlin Henry, University of Toronto
 CHAIR(S): Juliane Céleste Jasmine Collard, University of British Columbia
8:00 Mike Dimpfl*, UNC Chapel Hill, *Micro(bial)-management: Germs, Cleanliness and Institutionalization of Housekeeping Labor.*
8:20 Chelsea Leiper*, University of Delaware, *Re-Wilding the Body in the Anthropocene: Lessons from the Microbiome and the Paleo Diet.*
8:40 Jessica T. Miller, PhD*, Temple University, *Environmental Perception: Social Reproduction in Dirty Environments.*
9:00 Tara Irene Cater, PhD candidate*, Carleton University, *"Why would they care about people if they don't care about scaring animals?": Social reproduction and fly-in/fly-out work practices in the Kivalliq Region, Nunavut.*

1116. E-commerce and mobility: changes in shopping trips and freight transportation patterns

Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Anne AGUILERA, Université Paris Est Marne la Vallée; Corinne Blanquart, Ifsttar
 CHAIR(S): Anne AGUILERA, Université Paris Est Marne la Vallée
8:00 Nora Marei, PRODIG; Anne AGUILERA*, Université Paris Est Marne la Vallée; Corinne Blanquart, IFSTTAR; Leslie Belton-Chevallier, IFSTTAR; Saskia Seidel, DLR, *Online food and grocery shopping: new logistics, new mobilities?.*
8:20 Xiang Zhang*, University of Kansas, *Changing landscape of retail chains in China in the cyber era.*
8:40 Avijit Sarkar, University of Redlands; James B. Pick*, University of Redlands; Jessica Rosales, University of Redlands, *Spatial Analysis and Socioeconomic Determinants of Web-Based E-Commerce and E-Entertainment Usage in the Counties of the United States.*
9:00 Mathieu Gardrat*, Laboratoire d'Economie des Transports; Florence Toilier, Laboratoire d'Economie des Transports; Daniele Patier, Laboratoire d'Economie des Transports; Jean-Louis Routhier, Laboratoire d'Economie des Transports, *How can the impact of new practices for supplying households be quantified in goods movements?.*
9:20 DEPREZ Samuel*, UMR IDEES 6266 CNRS - University of Le Havre - France, *E-Commerce & Mobilities: An Original Reading Using The Example Of Drive-Through Click And Collect Collection Facilities.*

1117. Geocentric Work of Art: Creative Minds Doing Things Beyond Academic Boundaries

Room: Continental 7, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Lakhbir K. Jassal
 CHAIR(S): Lakhbir K. Jassal
 Introducer: Lakhbir K. Jassal
 Discussant(s): Julie Urbanik; Lakhbir K. Jassal
 Panelists: Thomas Dekeyser, University of Southampton; Cecilie

1118. Geomorphology

Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Paulina Aniskiewicz, Institute of Oceanology, Centre for Polar Studies KNOW
8:00 Greta Wells*, University of Texas - Austin, *Geomorphologic Evidence of a Holocene Jökulhlaup in the Jökulsá á Fjöllum Channel, Iceland.*
8:20 Kimberly M Meitzen*, Texas State University; Jennifer R Jensen, Texas State University; Thom B Hardy, Texas State University, *Modelling Floodplain Inundation to Evaluate Gar (Lepisosteiformes) Habitat Suitability in the Lower Guadalupe River, USA.*
8:40 AJEWOLE DAVIES, University of Ilorin, Nigeria; Folashade Tope Adalakan*, University Of Ilorin, *Resilience and adaptation to coastal erosion menace in Lagos Nigeria.*
9:00 Michael J. Villa, New Mexico State University; Daniel P. Dugas*, New Mexico State University, *Relative Dating of Debris Flows using Schmidt Hammer Methods, Organ Mountains, Organ Mountains Desert Peaks National Monument, New Mexico, USA.*
9:20 Paulina Aniskiewicz*, Institute of Oceanology - Centre for Polar Studies KNOW (Leading National Research Centre); Malgorzata Stramska, Institute of Oceanology, *Multiyear analysis of climate changes in the Porsanger fjord.*

1119. States, Markets, and Shifting Bureaucratic Capacities 1

Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Patrick Bigger, University of Kentucky; Kelly Kay, Clark University
 CHAIR(S): Kelly Kay, Clark University
8:00 Colin Taylor Higgins*, University of Wisconsin - Madison, *States of Measure: Devolution, Bureaucratic Power, and the Politics of Ecology in the UK's Biodiversity Offsetting Program.*
8:20 Peter Hossler*, Rhodes College, *'Margins Before Mission': Municipal Bonds, Credit Rating Agencies and the Financialization of a Nonprofit Hospital'.*
8:40 Trina Hamilton*, SUNY - Buffalo, *Ethical Havens and the Uneven Development of Ethical Markets.*
9:00 Jesse B. Abrams, Ph.D.*, University of Oregon; Cassandra Moseley, Ph.D., University of Oregon; Jennifer Dunn, Michigan Technological University; Mariana Ruiz-Diaz, Universidad Tecnológica Nacional de Argentina, *The Evolution of Forest Certification and the Resurgence of the State: Governance and Rural Development in the U.S. and Argentina.*
9:20 Patrick Bigger*, University of Manchester, *Carbon market operation and 'The Iron Law of Liberalism'.*

1120. New Geographies of Foreign Investment in Residential Real Estate: Session 1

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Dallas Rogers, Western Sydney University; David F. Ley, University of British Columbia
 CHAIR(S): Dallas Rogers, Western Sydney University
8:00 David F. Ley*, University of British Columbia, *Global China and the Vancouver Housing Market: The Real Estate Intermediaries.*
8:20 Dallas Rogers, Dr*, Western Sydney University; Shanthi Robertson, Dr, Western Sydney University, *Real estate, education, immigration: brokerage assemblages and Asian mobilities.*
8:40 Sha Liu*, The University of Sydney; Nicole Gurrán, The University of Sydney, *Foreign Investment in Global Housing: Understanding the Impacts of China's*

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Domestic Housing Policy Changes on International Investment Demand.

9:00 William Kutz*, University of Manchester, *Eurozone Crisis and Emerging Market Expansion: Capital Switching and the Uneven Geographies of Spanish Urbanization.*

1121. Geographies of Youth (Sponsored by Health and Medical Geography Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Caroline Barakat, University of Ontario Institute of Technology

CHAIR(S): Caroline Barakat, University of Ontario Institute of Technology

8:00 Natasha O. Fletcher, Ph.D.*, Rutgers University, Center for Urban Research and Education; Asia R King, Rutgers University, Bloustein School of Planning and Public Policy; Tristan Pavlik, Rutgers University, Department of Public Policy and Administration, *The efficacy of a trauma-informed methodology for Hopeworks 'N Camden, New Jersey.*

8:20 Jason Douglas*, San Jose State University, *It takes a village: Understanding the nexus of crime, nuisance businesses, and access to recreational space in low-income communities of color through community-based participatory mapping.*

8:40 Ahmed Allahwala, PhD*, University of Toronto Scarborough, *Exploring community health as an issue of spatial justice through youth-led participatory action research.*

9:00 Nathalie Ortar*, ENTPE; Stéphanie Vincent-Geslin, LET; Julie-Anne Boudreau, INRS; Claudio Ribeiro, INRS, *The youth on the move: French and Canadian young people relation to the car.*

Discussant(s): Caroline Barakat, University of Ontario Institute of Technology

1122. Critical Sustainabilities I - The Scalar Politics of "Sustainability"

Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Lindsey Dillon, University of California - Davis; Miriam Greenberg; Rachel Brahinsky, University of San Francisco

CHAIR(S): Lindsey Dillon, University of California - Davis

8:00 Julie Sze*, UC Davis; julie sze, UC Davis, *Scales of Urban Sustainability and Eco-Desire in China.*

8:20 Loretta Ieng Tak Lou, PhD candidate in Anthropology*, University of Oxford, *Green living and the politics of hope in Hong Kong.*

8:40 Peter Wilshusen, Ph.D.*, Bucknell University, *Enacting Corporate Sustainability: Practices of Assemblage and the Post-political Condition.*

9:00 Allan Douglas Cochrane*, Open University; Bob Colenutt, University of Northampton, UK; Martin Field, University of Northampton, UK, *From sustainability to viability: a short history of planning in a time of austerity.*

Introducer: Miriam Greenberg

1123. The economy of cities: 01 Big data in cities

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): John Miron, University of Toronto

CHAIR(S): Marcela A. Munizaga

8:00 Monica M. Brannon*, Bowdoin College, *The Datafication of Space: Kansas "Smart" City and Social Exclusion.*

8:20 Yu Chen*, Shenzhen University; Yanping Chen, Shenzhen University; Haitao Sha, Guangdong U.R.P&D Institute Shenzhen Branch, *The Applicability of Mobile Positioning Data in Urban Planning Survey.*

8:40 Li Xu*, University of Illinois at Urbana-Champaign; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Sara McLafferty, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois

at Urbana-Champaign, *Predicting Spatio-temporal Demand for 311 Non-Emergency Municipal Services in Chicago.*

9:00 Juan Wang*, Urban Science Department, Collage of Applied Arts and Science of Beijing Union University, Haidian, Beijing, China, 100191; Bin Meng, Urban Science Department, Collage of Applied Arts and Science of Beijing Union University, Haidian, Beijing, China, 100191, *Exploring the spatiotemporal dynamics of travel behavior using smart card data in subway networks in Beijing.*

9:20 Felipe Hernandez, Universidad de Chile; Ricardo Hurtubia, Pontificia Universidad Católica de Chile; Marcela A. Munizaga*, Universidad de Chile, *Urban spatial structure arising from massive public transport data: the case of Santiago, Chile.*

1124. Health Geography, Medical Humanities, and Narrative Medicine I (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Health and Medical Geography Specialty Group)

Room: Imperial A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Courtney Donovan, San Francisco State University; Sarah De Leeuw, University of Northern British Columbia

CHAIR(S): Courtney Donovan, San Francisco State University

8:00 Pamela Moss*, University of Victoria, *American Beauty? Ontological Security in Uncertain Times.*

8:20 Kelsey P. Bair, B.A.*, San Francisco State University; Stephanie Larzelier, B.A.*, San Francisco State University, *Narrative Health Geographies.*

8:40 Sarah De Leeuw*, University of Northern British Columbia, *Geo-Medical-Humanities and Researching Indigenous Geographies: A Critical Decolonizing Intervention.*

9:00 Courtney Donovan*, San Francisco State University; Courtney Donovan, San Francisco State University, *The Visual Field and Sequential Art in Health Geography.*

9:20 Duika L. Burges Watson, Centre for Public Policy and Health*, Durham University; Sue Lewis, Department of Geography, Durham University; Vincent Deary, School of Life Sciences, Northumbria University; Val Bryant, Lead survivor and research participant, *Towards a critical geography of pleasure and its absence in health research.*

1126. Paleoenvironmental Change, Paleoclimate Types

Room: Yosemite A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nate Currin, Texas State University

8:00 Jessica Hirsch*, umkc; caroline p davies, phd, umkc, *Identifying seasonally laminated diatom-rich sediments from the Al-Azraq basin, Jordan using XRF Jessica Hirsch and Caroline Davies.*

8:20 Robin Blomdin*, Department of Physical Geography, Stockholm University, Stockholm, Sweden; Jakob Heyman, Department of Earth Sciences, University of Gothenburg, Gothenburg, Sweden; Jonathan M Harbor, Department of Earth, Atmospheric, and Planetary Sciences, Purdue University, West Lafayette, USA; Arjen P Stroeven, Department of Physical Geography, Stockholm University, Stockholm, Sweden; Nathaniel A Lifton, Department of Earth, Atmospheric, and Planetary Sciences, Purdue University, West Lafayette, USA; Dimitry A Petrakov, Faculty of Geography, Lomonosov Moscow State University, Moscow, Russia; Natacha Gribenski, Department of Physical Geography, Stockholm University, Stockholm, Sweden; Marc W Caffee, Department of Physics and Astronomy and Purdue Rare Isotope Measurement Laboratory (PRIME Lab), Purdue University, West

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- Lafayette, USA; Mikhail N Ivanov, Faculty of Geography, Lomonosov Moscow State University, Moscow, Russia; Clas Hättestrand, Department of Physical Geography, Stockholm University, Stockholm, Sweden; Irina Rogozhina, German Research Centre for Geosciences, Potsdam, Germany; Ryskul Usabaliev, Central Asian Institute of Applied Geosciences, Bishkek, Kyrgyzstan, *Evaluating the timing of past glaciation across the Tian Shan, Central Asia.*
- 8:40** Khamis Daham Muslih*, University of Baghdad; College of Arts; Department of Geography, University of Warsaw, Faculty of Geography and Regional Studies, Institute of Physical Geography, Department of Climatology, *Climate changes and their effect on development of human societies in Mesopotamia during the period 3000 - 0 B.C.*
- 9:00** Robert V. Rohli*, Louisiana State University; Jinwoong Yoo, University of New Mexico, *Distribution of Köppen-Geiger Climate Types over the Past 18,000 Years.*
- 9:20** Nate Currin*, Texas State University; M. Justin Wilkinson, Texas State University, *Upstream watersheds and megafan formation: an application of astronaut photography.*
- 1127. Welcome to the AAG annual meeting: A discussion on navigating and making the most of the conference (Sponsored by AAG Jobs and Careers Theme, Graduate Student Affinity Group, American Association of Geographers)**
Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Brian Williams, The University of Georgia; Ana I. Sanchez-Rivera, University of Maryland-College Park
 CHAIR(S): Amelia Duffy-Tumasz, Rutgers University- New Brunswick
 Introducer: Brian Williams
8:10 Candice Luebbing, American Association of Geographers
 Discussant(s): Sarah Battersby, Tableau Software; Matthew H. Connolly, University of Central Arkansas
 Panelists: Mark Revell, American Association of Geographers; Ronald R. Hagelman, Texas State University; Sarah Goggin, Cypress College
- 1128. Time Series Analysis of Satellite Images: Algorithms and Applications (I) (Sponsored by Remote Sensing Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Qihao Weng, Indiana State University; Peng Fu, Indiana State University
 CHAIR(S): Peng Fu, Indiana State University
8:00 Zhe Zhu*, InuTeq, *Using All Available Landsat data for Continuous Land Cover Monitoring.*
8:20 Chunyuan Diao*, University at Buffalo; Le Wang, University at Buffalo, *Landsat-based temporal mixture analysis for estimating invasive saltcedar abundance: A phenology-guided approach.*
8:40 Shuvankar Ghosh*, Department of Geography, University of Georgia; Jianbin Tao, School of Urban and Environmental Science, Central China Normal University; Deepak Mishra, Department of Geography, University of Georgia, *Analyzing MODIS derived site-specific Tidal Wetland Phenology using TIMESAT.*
9:00 Sarah Olimb, World Wildlife Fund - US - Northern Great Plains; Adam P. Dixon*, World Wildlife Fund - United States, University of Maryland, Baltimore County; Emmalee Dolfi, Trust for Public Land, *Prairie or pasture?: Using time series NDVI to monitor grassland phenology and characteristics in Montana.*
9:20 Audrey Culver Smith*, University of Florida, *A time series analysis of the spatiotemporal relationship between changes in vegetation health as measured by the NDVI index and child nutrition and health outcomes in the country of Zambia for the time period of 2007-2014..*
- 1129. Spatial Data Mining and Big Data Analytics (1) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Caglar Koylu, University of Iowa; Diansheng Guo, University Of South Carolina
 CHAIR(S): Caglar Koylu, University of Iowa
8:00 Sam Stehle*, The Pennsylvania State University, *Mapping News Media's Semantic Spaces of Catalonia's Geopolitics of Sport.*
8:20 Jesslyn Landgren*, University of Iowa, *Revealing Spatiotemporal Patterns in Voting Behaviors through Twitter.*
8:40 Yihong Yuan*, Department of Geography, Texas State University ? San Marcos; Monica Medel, Department of Geography, Texas State University ? San Marcos, *Characterizing international travel behavior from geotagged photos: a case study of Flickr.*
9:00 Ian Kramer*, University of South Carolina, *Predicting Real-time Power Outages Using Machine Learning with Social Media.*
- 1130. Geographies of diversity and national identity: challenges, transformations and opportunities, I. (Sponsored by Geography of Religions and Belief Systems Specialty Group, Ethnic Geography Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Kevin Mark Dunn, University of Western Sydney; Alanna Kamp, Western Sydney University; Rosalie Atie, University of Western Sydney
 CHAIR(S): Kevin Mark Dunn, University of Western Sydney
 Introducer: Rosalie Atie
8:05 Annelies M. Goger, PhD*, IMPAQ International; Kanchana N. Ruwanpura, PhD, University of Edinburgh, *Rescripting Post-War Sri Lanka: Managerial Tropes on Reconciliation, Reconstruction and National Identity - Views from the Apparel Industry.*
8:24 David McEvoy*, Liverpool John Moores University, *Ethnic diversity in England and Wales: changing patterns and their implications.*
8:43 Alanna Kamp, PhD*, Western Sydney University, *Utilising historical geographies of ethnic minority groups to overcome the challenges of diverse communities in contemporary times: an Australian example.*
9:02 Kathleen Blair*, Western Sydney University, *"That terrifies me? That our way of life is going to change": The Discursive Construction of 'Asylum Seekers' as a Threat to Australian National Identity and Security.*
9:21 Oishee Alam*, Western Sydney University, *Reflections on nationalism, whiteness and de-ethnicisation in constructions of Australian Islam.*
- 1132. National Geospatial Data Research and Applications (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Larry Stanislawski, USGS - CEGIS
 CHAIR(S): Kari Craun, United States Geological Survey
8:00 Kari Craun*, United States Geological Survey, *The National Map: Status and a Look at the Future.*
8:17 Cynthia Miller-Corbett*, USGS, *Coastal Geomorphology and Vulnerability to Sea-Level Rise at the National Hydrography Dataset Coastline.*
8:34 Samantha T. Arundel, Ph.D.*, ?Center of Excellence in Geographic Information Science, U.S. Geological Survey, *Automated Extraction of Hydrographically-Corrected Contours for the Conterminous United States: The U.S. Geological Survey US Topo Product.*
8:51 Larry Stanislawski*, U.S. Geological Survey - CEGIS;

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Barbara P. Buttenfield, Prof., University of Colorado-Boulder; Paulo Raposo, Pennsylvania State University, *Assessment of Hydrographic Line Feature Geometry to Support Multi-scale Representation.*

9:07 Tom Shoberg*, United States Geological Survey, Center of Excellence for Geospatial Information Science, *Integration of Soil, Geology and The National Map layer data for Saint Genevieve County, Missouri.*

9:24 Ellen Finelli*, USGS; Alan Rea, P.E., Hydrologist, USGS, *National Hydrography Dataset Plus High Resolution (NHDPlusHR) Status.*

1133. Gendering the City: Culture, Identity and Mobility in Global Perspective 1

Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Melissa Butcher; Kate Maclean, Birkbeck, University of London

CHAIR(S): Kate Maclean, Birkbeck, University of London

8:00 Alice Evans*, University of Cambridge, *Urban change and rural continuity in gender ideologies and practices.*

8:20 Melissa Butcher*, Birkbeck College (University of London), *Reclaiming rage: gendered practices of middle-class women in global Delhi.*

8:40 Tsz Ting Ip*, University of Amsterdam, *"At Home in Shanghai?" Young, Single, Rural-Urban Migrant Women in Contemporary China.*

9:00 Lucie Bernroider*, Cluster of Excellence: Europe and Asia in a Global Context, University of Heidelberg, *Young single women's pursuits of spatial autonomy in Delhi.*

9:20 Jamee Ernst*, George Washington University, *Public Space, Street Harassment and Gender Mobility.*

1134. Applied urban geographic research techniques: SJSU graduate students present their perspectives.

Room: Union Square 7, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Anne Marie Skancke Nyquist

CHAIR(S): Kathryn Davis, San Jose State University

Introducer: Kathryn Davis

Panelists: Sriparna Sain; Ana Lucrecia Rivera, San Jose State University; Anne Marie Skancke Nyquist; Kerry Rohrmeier, San Jose State University

1137. Citizen Science for Environmental Monitoring and Hazards (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Carolynne Hultquist, Pennsylvania State University

CHAIR(S): Carolynne Hultquist, Pennsylvania State University

8:00 Jennifer Salmond*, School of Environment, University of Auckland; Mark Dickson, School of Environment, University of Auckland; Marc Tadaki, Department of Geography, University of British Columbia, *Will big data solve wicked environmental problems or is it still a 'naughty world'?*

8:20 Elizabeth A. McCartney*, US Geological Survey, *Engagement in Citizen Science: An Overview of Volunteer Motivation in the US Geological Survey's National Map Corps.*

8:40 Elena Sava*, Pennsylvania State University; Guido Cervone, The Pennsylvania State University, *Fusion of remote sensing data and social media for damage assessment during emergencies: 2015 Texas Flood Case Study.*

9:00 Holly A. Porter-Morgan, Ph.D.*, The City University of New York, LaGuardia Community College; Jesse Miller, The City University Of New York, LaGuardia Community College; Robert Buchanan, The Citizens' Water Quality Testing Program; Nina Zain, The River Project, *Citizen Science, Sewersheds, and Enterococcus: A Geospatial Analysis of Water*

Contaminants and Land Use in New York City Sewersheds.

9:20 Carolynne Hultquist*, Pennsylvania State University; Guido Cervone, Pennsylvania State University, *Citizen Monitoring during Hazards: The Case of Fukushima Radiation.*

1138. Amalgamations and Adaptations: Contemporary Geographies of Mediatization (Sponsored by Communication Geography Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): André Jansson, Karlstad University

CHAIR(S): André Jansson, Karlstad University

8:00 Paul C. Adams, PhD*, University of Texas at Austin, *The Faustian Bargain of Location-Based Services.*

8:20 Karin Fast*, Karlstad University, *'There is no place like work': The mediatization of the everyday life of transnational business elites.*

8:40 André Jansson*, Karlstad University, *Spaces of (Mis) Recognition: The Detached Cosmopolitanism of Urban Explorers.*

9:00 Amy McCullough*, University of Texas - Austin, *You Have Arrived: Experiencing Place via Airbnb.*

9:20 Erika Polson*, University of Denver, *Information Super-'Calle': Emerging Digital Street Culture in Havana.*

1139. Africa and sustainability (Sponsored by Africa Specialty Group)

Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Godwin Arku, The University of Western Ontario; Joseph Terzungwe Zume, Shippensburg University; Raymond Asare Tutu, Delaware State University

CHAIR(S): Godwin Arku, The University of Western Ontario

8:00 Maria Fadiman, PhD*, Florida Atlantic University; Grace Gobbo, *Conserving Forests and Culture: Ethnobotanical booklets in Tanzania, Africa..*

8:20 Jonathan Salerno*, University of California - Davis; Joel Hartter, University of Colorado - Boulder, *Human mobility and migrant-resident communities near East African protected areas.*

8:40 Kristen Denninger Snyder*, University of California - Davis, *Conservation, Conflict & the (not so) Common Hippopotamus - Insights from a Continental Scale Habitat Suitability Model.*

1140. Symposium on Human Dynamics Research: Climate Change I (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Yi Qiang, Louisiana State University; Nina Lam, Louisiana State University

CHAIR(S): Yi Qiang, Louisiana State University

8:00 Nina Lam*, Louisiana State University; Yi Qiang, Louisiana State University; Kenan Li, Louisiana State University; Heng Cai, Louisiana State University; Lei Zou, Louisiana State University; Volodymyr Mihunov, Louisiana State University, *From Resilience Assessment to Dynamic System Modeling: Some Perspectives in Research in Human Dynamics and Climate Change.*

8:20 William J. Gribb*, University Of Wyoming; Paddington Hodza, University of Wyoming; Ginger Paige, University of Wyoming; Dannele Peck, University of Wyoming, *Agricultural Decision Support System (AgDSS): Wind River Reservation, GIS, Remote Sensing and Planning.*

8:40 Tom Evans*, Indiana University; Shahzeen Attari, Indiana University; Jordan Blekking, Indiana University; Kelly Caylor, Princeton University; Lyndon Estes, Princeton University; Paul McCord, Indiana University; Beth

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- Plale, Indiana University; Tyler Schlachter, Indiana University; Justin Sheffield, Princeton University; Kurt Waldman, Indiana University, *Impacts of Agricultural Decision Making & Adaptive Management on Food Security in Africa*.
- 9:00** Lei Zou*, Louisiana State University; Nina Lam, Louisiana State University, *The Impact of Hurricane Katrina on Population Dynamics in the Lower Mississippi River Basin, Louisiana*.
- 9:20** William Solecki*, Hunter College, *Risk Management Policy Transitions and Transformational Adaptation in Social Ecological Systems*.
- 1141. Tourism Entrepreneurship: An Evolving Research Agenda (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Keith Debbage, University of North Carolina at Greensboro
 CHAIR(S): Keith Debbage, University of North Carolina at Greensboro
 Panelists: Keith Debbage, University of North Carolina at Greensboro; Regina Scheyvens, Massey University; Patrick Brouder, Brock University; Shaylee Renee Bowen; Yuxi Zhao; Yuko Aoyama, Clark University
- 1142. Becoming Financial I: Everyday spaces, practices and actors (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: *Union Square 15, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Mark Kear, University of Arizona - Geography & Regional Development; Jessa Loomis, University of Kentucky
 CHAIR(S): Mark Kear, University of Arizona - Geography & Regional Development
8:00 Jakob Schneider*, The Graduate Center, CUNY, *Our Problem? Financial Subjects and Differential Responses to the US Foreclosure Crisis*.
8:20 Melanie Sommerville*, Dept of Geography, UBC, *'Producers on the land, investors in the land': Examining the shifting economic subjectivities of prairie farmers in an era of agro-food financialization*.
8:40 Fiona Allon*, University of Sydney; Fiona Ruth Allon, University of Sydney, *Dream, Debt and Default in California's Foreclosure/Fiscal Crisis*.
9:00 Jessa Loomis*, University of Kentucky, *Spaces of Empowerment, or Dispossession?: The Promises and Impossibilities of Financial Education*.
9:20 Nemoy Kenyatta Lewis, PhD Candidate, Queen's University; Nemoy K. Lewis*, Queen's University, *Teaching Financial Literacy in the Post-Foreclosure Era: The Fight to Retain The American Dream*.
- 1143. Communicating Climate Change: Beliefs and Perceptions (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: *Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): RDK Herman, National Museum of the American Indian
8:00 Emily Ann Nicolosi*, University of Utah, *Belief and action among the climate-concerned: Implications of the relationships between system justification belief, climate change mitigation approaches, and carbon footprint*.
8:20 Gwendolyn Blue*, University of Calgary, *Reticent scientists and conciliatory publics: Dynamics and constraints in public responses to climate change*.
8:40 Benjamin Ignac*, University of Oklahoma; Renee McPherson, Dr., University of Oklahoma; Aparna Bamzai, University of Oklahoma, *Climate Change in the Mind of a College Student: A Cross-Sectional Study on Climate Change Perceptions at the University of Oklahoma*.
- 9:00** Risa Palm, Ph.D.*, Georgia State University; Gregory B. Lewis, Ph.D., J.D., Georgia State University; Bo Feng, Ph.D., Georgia State University, *What Causes People to Change Their Beliefs About Climate Change?*.
- 9:20** RDK Herman*, National Museum of the American Indian, *Religion and Modernity: The Spiritual Confrontation with Climate Change*.
- 1144. Political Ecological Engagements with Migration Studies I (Sponsored by Cultural and Political Ecology Specialty Group, Population Specialty Group)**
Room: *Union Square 17, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Lindsey Carte, Utah State University; Claudia A. Radel, Utah State University; Brad Jokisch, Ohio University
 CHAIR(S): Lindsey Carte, Utah State University
8:00 Samuel Dupre*, University of Maryland, Baltimore County, *Post-Impact Migration Dynamics in Guatemalan Coffee-Landscapes*.
8:20 Matthew John Taylor*, University Of Denver; Matthew J Taylor, University of Denver; Diego Pons, University Of Denver, *Beginning to untangle the political ecology of migration in Guatemala: A big picture view from a four-site study*.
8:40 James P Robson, Dr*, University of Manitoba, *How migration drives new narratives of environmental governance in rural Mexico*.
9:00 Stian Rice*, Kent State University, *The transmigration of bodies and botanicals: A political ecology of species movement to East Sumatra, 1876-1940*.
9:20 Kayly Ober*, University of Bonn, *The governance of "migration as adaptation": (dis)entangling power and politics with Bourdieu's Theory of Practice*.
- 1146. The ontological turn, conversations between political ecology and legal geography I: Politics of indigeneity, the law, and rights (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: *Union Square 19, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Joel Correia, University of Colorado At Boulder
 CHAIR(S): Joel Correia, University of Colorado At Boulder
8:00 Mat Keel, PHD Research Student*, University of Bristol Geographical Sciences, *We Were Given Evidence of the Snaring of the Sun: The Maori Claim to the Radio Spectrum at the Waitangi Tribunal*.
8:20 Tenille Brown*, University of Ottawa, *The Dreamcatcher "Spatial Heritage Database": The Mississaugas of the New Credit First Nation, Land Boundaries, Technological Innovation*.
8:40 Joel Correia, Doctoral Candidate in Geography*, University of Colorado At Boulder, *Juridical Ontology and the Socio-Spatial Politics of Indigenous Rights in the Paraguayan Chaco*.
9:00 Penelope Anthias, PhD*, University of California, Berkeley, *Indigeneity, Property and Extractivism in the Bolivian Chaco*.
 Discussant(s): Emily Yeh, University of Colorado; Mario Blaser, Memorial University of Newfoundland
- 1147. Making Sense of Heterogeneous and Unequal Geographies of Passengers I: Kaleidoscopic Spatialities of Commuting (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Transportation Geography Specialty Group)**
Room: *Union Square 20, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Jean-Baptiste Fretigny, Universite de Cergy-

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Pontoise; Weiqiang Lin, National University of Singapore

CHAIR(S): Jean-Baptiste Fretigny, Université de Cergy-Pontoise

8:00 Brendan Doody*, University of Cambridge, *Habit infrastructures: The promotion and production of (public)mobility subjectivities.*

8:20 Diane Royal*, Memorial University of Newfoundland; Sharon Roseman, Professor, Memorial University of Newfoundland, *"Everyday is Different": Ferry Passengering among Commuting Workers in Newfoundland.*

8:40 Malene Freudental-Pedersen*, Roskilde University, *Defining the passenger! -and how the idea of freedom from mobilities is always in play.*

9:00 Paul Kelaita*, University of Sydney, *Queering the Commute: Art and Infrastructural Space in Suburban Sydney.*

Discussant(s): Jean-Baptiste Fretigny, Université de Cergy-Pontoise

1148. Grounding China's Global Integration 1

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Julie Michelle Klinger, Boston University; Joshua S.S. Muldavin, Sarah Lawrence College; Derrick Hindery, University of Oregon (International Studies and Geography)

CHAIR(S): Juliet Lu

8:00 Cheryl Mei-ting Schmitz*, University of California, Berkeley, *Trying to Stay Global: the Rocky Path of Diversified Development for a Chinese State Firm in Angola.*

8:16 Derrick Hindery, Ph.D. Associate Professor*, University of Oregon (International Studies and Geography), *The Rise of Chinese Investment in Bolivia: Effects on Indigenous Peoples and the Environment.*

8:32 Joshua S.S. Muldavin*, Sarah Lawrence College, *Reframing the dominant narratives of China's ODA: the case of the Asian Infrastructure Investment Bank (AIIB).*

8:48 Gustavo Oliveira*, University of California at Berkeley, *Boosters, Brokers, Bureaucrats, and Businessmen: Assembling Chinese Capital and Brazilian Agribusiness.*

9:04 Mindi Schneider, PhD*, International Institute of Social Studies (ISS), *Reframing The Corporate Food Regime: TNCs in China? and China's TNCs.*

Discussant(s): Joshua S.S. Muldavin, Sarah Lawrence College

1149. Geography and the Place of Ontology: Being, Space and the Political

Room: Union Square 22, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Najeeb A. Jan, University of Colorado

CHAIR(S): Mikko Juho Mikael Joronen, SPARG/School of Management, University of Tampere

Introducer: Najeeb A. Jan

Panelists: Mikko Juho Mikael Joronen, SPARG/School of Management, University of Tampere; Stephanie Wakefield, CUNY Graduate Center; Keith Woodward, University of Wisconsin-Madison; Oliver Belcher, University of Durham; Noam Leshem, Department of Geography, Durham University

1150. From ontological shifts to action on the ground: Enacting agency for transformation through post-classical praxis

Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Ann El Khoury, Macquarie University

CHAIR(S): Sallie A. Marston, University of Arizona

8:00 Karen O'Brien*, University of Oslo, *From theory to practice: What quantum social theory means for collaboration.*

8:20 Ann El Khoury*, Macquarie University, *Globalization, development and social justice: exploring the prospect*

of a propositional approach.

8:40 Siri Veland*, Brown University; Amanda H Lynch, Professor, Brown University, *Arctic ice edge narratives: scale, discourse, and ontological security.*

9:00 Brigit Dale*, Nordland Research Institute, *Petroleum: Increasing or Decreasing a Sense of Ontological Security?.*

9:20 David C. Eisenhauer*, Rutgers, *Reconfiguring Boundary Organizations to Foster Sociomaterial Change in New Jersey.*

1151. Advances in CyberGIS Education (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Geography Education Specialty Group)

Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Johnathan Rush, University of Illinois; Karen Kemp, University of Southern California; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR(S): Johnathan Rush, University of Illinois

8:00 Daniel Goldberg*, Texas A&M University; Forrest Bowlick, Texas A&M University; Sarah Bednarz, Texas A&M University; Andrew Klein, Texas A&M University, *CyberGIS in the Wild - What and How Much is Really Needed & Where is it Offered?.*

8:20 Jennifer N. Swift, PhD GISP*, University of Southern California, *Teaching Programming in Spatial Sciences Curricula.*

8:40 Johnathan Rush*, University of Illinois; Shaowen Wang, University of Illinois, *Nimble Education: the Role of Training Workshops in Building CyberGIS Competencies.*

9:00 Britta Ricker, PhD*, University of Washington; Jim Thatcher, PhD, University of Washington Tacoma, *An inclusive pedagogical framework to accommodate epistemological variation among students learning (Cyber)GIS.*

Discussant(s): Karen Kemp, University of Southern California

1152. Cross-Border Governance: International Comparisons (Sponsored by Political Geography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): María Josefina Perez-Espino; Ekaterina Mikhailova, Institute of Geography, Russian Academy of Science; Maria Del Rosio Barajas, El Colegio De la Frontera Norte

CHAIR(S): Chung-Tong Wu, Western Sydney University

8:00 María Josefina Perez-Espino, PhD*, *Cross-border Cooperation and Conflict on the Migration Issue in the U.S.-Mexico's Region..*

8:20 Ekaterina Mikhailova*, Institute of Geography, Russian Academy of Science; Chung-Tong Wu, Western Sydney University, *Ersatz Twin City Formation? The Case of Blagoveshchensk and Heihe.*

8:40 Maria Del Rosio Barajas, PhD*, El Colegio De la Frontera Norte; Pablo Wong-González, PhD, Centro de Investigación en Alimentación y Desarrollo (CIAD), *Process of Regional Integration and Economic Development Governance in the U.S.-Mexico cross-border region..*

9:00 Francisco Lara*, Arizona State University, *Cross-border narratives of development and space in the US-Mexico border: The making of regional identities.*

Discussant(s): Chung-Tong Wu, Western Sydney University

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- 1153. Boundary spaces in environmental politics: Contested geographies of knowledge and power (Sponsored by Energy and Environment Specialty Group)**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): James Palmer, University of Oxford; Martin Mahony, University of Nottingham
 CHAIR(S): Martin Mahony, University of Nottingham
8:00 Marc Tadaki, MSc*, University of British Columbia, *Spatial politics of environmental science: towards a framework for comparative analysis.*
8:20 Eimear Heaslip*, National University of Ireland, Galway & Galway-Mayo Institute of Technology, *Community Energy Knowledge Networks: Island Communities and Policy Processes.*
8:40 James Palmer*, University of Oxford, *The VW emissions scandal in Europe: The politics of situated knowledge regimes in Brussels.*
9:00 Nick Lewis*, University Of Auckland; Richard Le Heron, University of Auckland, *New Zealand's Sustainable Seas National Science Challenge: Enacting new knowledge frameworks.*
 Discussant(s): Tim Forsyth, London School Of Economics
- 1154. Changing Landscapes in China's Border Regions-1 (Sponsored by China Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Xiaobo Su, University of Oregon; You-tien Hsing, University Of California at Berkeley; Galen Murton, University of Colorado, Boulder
 CHAIR(S): You-tien Hsing, University Of California at Berkeley
8:00 You-tien Hsing*, University Of California at Berkeley, *Herders and farmers of China's northwestern border region in the age of ecological restoration.*
8:20 Alessandro Rippa*, Ludwig-Maximilian University, *Old routes, new roads: Proximity across the China-Pakistan border.*
8:40 Po-Yi Hung*, National Taiwan University, Department of Geography, *Landscape of Incompatible Desires: Tea Production, Land Use Politics, and Ethnic Minorities in Southwest China.*
9:00 Galen Murton*, University of Colorado, Boulder, *Bordering spaces, practicing borders: Roads, commerce, and the transformation of Trans-Himalayan landscapes.*
 Discussant(s): Xiaobo Su, University of Oregon
- 1155. The Myth of Smart Urbanism: Songdo City and Beyond (1/2) (Sponsored by Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science; Jinn-yuh Hsu, National Taiwan University
 CHAIR(S): Hyun Bang Shin, London School of Economics and Political Science
 Introducer: Hyun Bang Shin
 Discussant(s): Ayona Datta, University of Leeds
 Panelists: Jung Won Sonn, University College London; Do Young Oh, London School of Economics and Political Science; Jinn-yuh Hsu, National Taiwan University
- 1157. Asia Symposium: Analytical Methods for Research linking economic, climate, hydrology and policy (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Chandana Mitra, Auburn University
 CHAIR(S): David W. Edgington, University Of British Columbia
8:00 Kumkum Bhattacharyya*, Eastern Oregon University, *Reservoir Sedimentation: A Case study of India.*
8:20 Surabhi Karambelkar*, University of Arizona - School of Geography & Development, *Hydropower Development in India: The Legal-Economic Design to Fuel Growth?.*
- 8:40** Md Rafiqul Islam*, Kent State University, *Self-Organizing Map: A Comparison of Objective Estimation of Onset and Withdrawal Dates for different atmospheric variables in South Asian Monsoon..*
9:00 David W. Edgington*, University Of British Columbia, *Geography and Nuclear Power Plant Accidents: A Comparison of Fukushima and Chernobyl.*
 Discussant(s): David W. Edgington, University Of British Columbia
- 1159. Understanding the Implications of Global Capitalist Pressures on Urban Governance and Policy-Making in Advanced Economies**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Evan Cleave, University of Western Ontario; Godwin Arku, The University of Western Ontario
 CHAIR(S): Evan Cleave, University of Western Ontario
8:00 Evan Cleave*, University of Western Ontario; Rick Sadler, PhD, Michigan State University; Godwin Arku, PhD, University of Western Ontario; Jason Gilliland, PhD, University of Western Ontario, *Comparing Urban Place Branding Strategies in Ontario and Michigan's Municipalities.*
8:20 Anja McCarthy, Doctoral Researcher*, Newcastle University, *Decentralisation and devolution in England: the changing role and shape of the local state in local economic development.*
8:40 Herman Geyer*, CRUISE, *Responsive planning and urban management of discrete events using complexity planning..*
9:00 Henry Way*, James Madison University, *Having it Both Ways: Neither Large Nor Small Visions for a Middle Sized City.*
- 1160. The New American Suburb: Poverty, Race, and the Economic Crisis (Sponsored by Urban Geography Specialty Group)**
Room: VanNess Room, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Katrin B. Anacker, George Mason University
 CHAIR(S): Katrin B. Anacker, George Mason University
 Panelists: Whitney Airgood-Obyrcki, The Ohio State University; Pablo Mendez, Carleton University; Christopher Niedt, Hofstra University; Michael R. Ratcliffe, U.S. Bureau Of the Census
- 1162. Transnationalizing Migration Management I**
Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Malene H. Jacobsen
 CHAIR(S): Shelley Grant, Queen Mary College, University of London
8:00 Symon James-Wilson*, University of Toronto, *Conceptualizing Migration Management Through Geographies of Transformative Education.*
8:20 Antonella Clare Vitiello*, University of Rome, La Sapienza, *Rethinking borders to rethink political participation.*
8:40 Joel Pedraza, Mr.*, Social Anthropology Research Centre, *Transnational virtual communities: ethnography and netnography combined as a challenge.*
 Discussant(s): Francis L. Collins, University of Auckland
- 1163. Governance and Regulation of Infrastructure (Sponsored by Economic Geography Specialty Group)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Peter O'Brien; Yin Yang, University of Oxford
 CHAIR(S): Phillip O'Neill, University of Western Sydney
8:00 Piotr Niewiadomski*, University of Aberdeen, *Deregulation of Aviation and the Airport Industry in Central and Eastern Europe.*
8:20 Peter O'Brien*, Newcastle University, UK; Andy Pike*, Newcastle University, *The Financialisation and Governance of 'Global City' Infrastructure: the London Infrastructure Investment Plan 2050.*
8:40 Yin Yang*, University of Oxford, *The geography of*

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contract for urban infrastructure investment: a comparison of urban water infrastructure projects in Beijing and London.

9:00 Matti Siemiatycki*, University of Toronto; Martijn van den Hurk, University of Amsterdam, *The Financialization of Infrastructure Provision: Public-Private Partnerships and the Consequences for City Building.*

9:20 Emmanouil Tranos*, University of Birmingham, *The economic geography of the Internet 2.0: digital social capital and cities.*

1164. Planning, Development, and the Built Environment

Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stephen Mckay

8:00 Fayyaz Vellani*, University of Pennsylvania, *The revitalization of Cairo's Al-Darb Al-Ahmar.*

8:20 Comfort Ogunleye-Adetona*, Educational Institution; Comfort Ogunleye-Adetona, Educational Institution, *University of Ibadan as an Agent of Development: The CASE of Agbowo community- Ibadan, Oyo State, Nigeria..*

8:40 Bri Gauger*, Taubman College of Architecture and Urban Planning, "Ruin Porn" and the Politics of Representation in Detroit.

9:00 Stephen Mckay*; Stephen McKay, Dr. Queen's University Belfast, *Pitfalls In Protection: A Scrutiny Of Regulatory Development In The Jurisdiction Of Northern Ireland.*

9:20 Tomasz Ignacy Kaczmarek*, Adam Mickiewicz University Poznan; Lukasz Mikula, Adam Mickiewicz University, *Towards more inclusive model of urban planning: accessibility, responsibility, decision-making..*

1165. Biogeography, Animal Geography

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clayton Whitesides, Coastal Carolina University

8:00 Zachary Merrill*, Western Michigan University, *Understanding Hunters Perceptions of Wolves in Michigan.*

8:20 Clayton J Whitesides*, Coastal Carolina University; David R Butler, Texas State University, *Bioturbation by marmots and gophers and the effects on Abies lasiocarpa germination.*

1167. Spatial Analysis

Room: Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Timothy C. Matisziw, University of Missouri - Columbia

8:00 Chunchun Hu*, *Fast trajectory fuzzy clustering strategy based on simplification multi-fuzzy criterions.*

8:20 Yutian Feng*, University at Albany, Department of Geography and Planning; Shiguo Jiang, Ph.D., Department of Geography and Planning, University at Albany, Albany, NY, *Spatial autocorrelation in Vacant houses.*

8:40 Jongseo Yim*, Seoul National University; Young Ho Shin, Seoul National University, *The Impact of Spatial Resolution on a Multi-Agent System Model.*

9:00 Timothy C. Matisziw, PhD*, University of Missouri - Columbia, *Characterizing Spatial Similarity Among Paths.*

9:20 Cuiling Liu*, Louisiana State University, *MAUP Sensitivity Analysis in Urban Density based on Monte Carlo Method.*

1168. Negotiating the 'creative city': Negotiating the 'creative city': A new cultural governance for the 'creative city'?

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Friederike Landau, Center for Metropolitan Studies, TU Berlin; Janet Merkel, City University London Department of Music, Culture and Creative Industries

CHAIR(S): Janet Merkel, City University London Department of Music, Culture and Creative Industries

Introducer: Friederike Landau

8:10 Mariangela Lavanga, Dr*, Erasmus University Rotterdam; Martina Drosner, *Sustainability (re)enters cultural-led urban (re)development: towards a new paradigm of creative city or the same devil in disguise?.*

8:28 Cheng-Yi Lin*, National Taipei University of Education, *The evolution of cultural economy planning and spatial strategy-making in Taipei City.*

8:46 Peter Schmitt*, Nordregio; Moa Tunström, Nordregio; Lukas Smas, Nordregio; Liisa Perjo, Nordregio, *Exhibiting the future of the city: A driver of co-created and creative planning work?.*

9:04 Rebecca Shoshana Prescott*, Northumbria University, *From Interstitial to Institutional: exploring artists' experiences of place..*

1169. Radicalizing Urban Pedagogy: New Directions in Graduate Education

Room: Carmel I, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Miguel Robles-Duran, New School University

CHAIR(S): Miguel Robles-Duran, New School University

1170. Carceral Geography I: Conceptualising the Carceral

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Jennifer Turner, University of Leicester;

Dominique Moran, University of Birmingham

CHAIR(S): Jennifer Turner, University of Leicester

8:00 Dominique Moran*, University of Birmingham, *Conceptualising the Carceral in Carceral Geography.*

8:20 Joaquin Villanueva*, Gustavus Adolphus College, *Legal confinements: Coupling legal and carceral geographies.*

8:40 Christophe Mincke*, National Institute for Forensic Science and Criminology, *Immobilisation, Relocation and Mobility Monitoring : on the Evolution of the Carceral.*

9:00 B. Jewell Bohlinger, MA*, University of Oregon, *The Politics of Sustainability in Prison.*

Discussant(s): Jon Coaffee, University of Warwick

1173. In the Event...: Method and Theory in the Meeting of Time and Space

Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Natalie JK Baloy, University of California - Santa Cruz; Bonar Buffam

CHAIR(S): Tonya Davidson, Ryerson University

8:00 Bonar Buffam*, University of British Columbia Okanagan, *Culture, Politics and The Spatial Dynamics of Vaisakhi Parades in Metro Vancouver.*

8:20 Tonya Davidson, PhD*, Ryerson University, *The Summer Event: Going to the Cottage in the Canadian Imaginary.*

8:40 Clayton Whitt*, University of British Columbia, *Endless Flood: Space-Time and the Ethnography of Disaster in an Andean Village.*

9:00 Sharone Tomer*, University of California - Berkeley, *Spectral City: Cultural Programming, Inequality and the 'Mega-Event' in Durban.*

9:20 Natalie JK Baloy, PhD*, University of California - Santa Cruz, *Repeat After Me: Our Homes ON Native Land!.*

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- 1174. Practicing engaged pluralism when ‘doing global urban research’ I**
Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Bassens, Free University of Brussels; Ben Derudder, Ghent University; Michiel Van Meeteren, Ghent University
 CHAIR(S): David Bassens, Free University of Brussels
 Introducer: Ben Derudder
8:20 Michele Acuto*, University College London, *Whose Urban Studies?*
8:40 Jessie P. Poon*, University at Buffalo-SUNY, *Between West and East: Shariah, skills and the urban frontier.*
9:00 Juan Miguel Kanai*, University of Miami, *A bibliometric assessment of urban global research in the twenty-first century.*
9:20 Ate Poorthuis, Singapore University of Technology and Design; Michiel van Meeteren*, Ghent University; David Bassens, Vrije Universiteit Brussel; Ben Derudder, Ghent University, *‘Dictaphones, Megaphones, and Silencers’: Citation Behavior between World Cities Research and its Critics, 1995-2015.*
- 1175. Water Geographies in Comparison**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Christine Carolan, University of Oregon
8:00 William C. Johnson*, University Of Kansas; G. L. Macpherson, University of Kansas, *Mapping and Modeling Karezes (ancient water supply systems) of Afghanistan.*
8:20 Dale Lightfoot*, Oklahoma State University, *Reimagining and Mapping the Global View of Karez.*
8:40 Marissa Tamar Isaak*, University of Arizona, *Water from Water: A Political Ecology of Desalination in the Promised Land.*
9:00 Christine Carolan*, University of Oregon, *Lough Neagh: A Contested or Co-operative Space in Northern Ireland.*
- 1176. Rural Landscapes and Rural Places**
Room: Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Richard Lenz, Creek Run LLC Environmental Engineering
8:00 Aimee Benoit, MA Candidate*, University of Lethbridge - Lethbridge, AB, *Whose Values? The Role of Land-Use Planning in Sustaining Ranching Landscapes in the Calgary Region.*
8:20 Misty Freeman, MPP, EA*, Oregon State University, *Complicating the Rural in Oregon’s Water Policymaking.*
8:40 FRANCISCO J. LLERA, Ph.D.*, Universidad Autónoma De Ciudad Juarez; Maria De Los Angeles Lopez-Nores*, Universidad Autónoma De Ciudad Juarez, *Collaborative Work and Local Development. Analyses about Entrepreneurial Attitudes between Mennonite and Non-Mennonite Groups in Chihuahua, Mexico..*
9:00 Richard Lenz*, Creek Run LLC Environmental Engineering, *One Family’s Story, 1954 - 2000: The Oswald Family Owned and Operated Dairy Farm, Harrison Township Blackford County, Indiana..*
- 1177. Race and the Agrarian Question I (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Athens North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Emma Gaalaas Mullaney, Bucknell University; Levi Van Sant, University of Georgia
 CHAIR(S): Emma Gaalaas Mullaney, Bucknell University
8:00 Rachel Goffe*, CUNY GC, *Capture and Abandon: Informal Land Tenure and the Reproduction of Agricultural Labor.*
8:20 Eloisa Berman-Arevalo*, UNC-Chapel Hill, *Racialized violences and liberal state-making: understanding ‘post-conflict’ agro-capitalism in Caribbean Colombia from the perspective of black agrarian memories.*
8:40 Mario Cardozo*, Kutztown University of Pennsylvania, *Smallholder livelihood options and the “Absent State” in eastern Paraguay.*
9:00 Autumn Zellers*, Temple University, *Accumulation by Cultural Dispossession: The Drug Trade, Global Commodities, and Indigenous Youth in Cauca, Colombia.*
 Discussant(s): Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition
- 1178. Enhancing urban eco-efficiency and ecosystem services towards sustainable urban development I**
Room: Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Xiangzheng Deng, Institute of Geographic Sciences and Natural Resources Research, CAS
 CHAIR(S): Zhihui Li, Institute of Geographic Sciences and Natural Resources Research, CAS
8:00 Xiangzheng Deng*, Institute of Geographic Sciences and Natural Resources Research, CAS; Zhihui Li, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Research scheme for urban ecological community construction and urban ecological integrated management mechanism.*
8:15 Xinqi Zheng*, School of Information Engineering, China University of Geosciences, Beijing, China; Chunlu Xue, School of Information Engineering, China University of Geosciences, Beijing, China; Zhiyuan Yuan, School of Information Engineering, China University of Geosciences, Beijing, China, *Characteristic Mining of Multi-level Spatial Distribution of Urban Settlements in China.*
8:30 Linyu Xu*; Lei Chen, School of Environment, Beijing Normal University, *Carbon emissions changes through regional industrial transfer in an urban agglomeration, a case in Pearl River Delta, China.*
8:45 Chen Zeng*; Xiangzheng Deng; Jianing Dong; Ludi Yang; Peiying Hu, *Urbanization, landscape and urban ecosystems: a preliminary analysis in India and China.*
9:00 Linlin Wei, M.Sc.*, TU Darmstadt, *Mapping Multifunctionality in Urban Green Reality: Connecting Ecosystem Services with Pragmatic Green Projects in Frankfurt am Main.*
9:15 FENG XU*; Zhanqi Wang, Professor, *Research on eco-environment effect of the Project of Linking the Increase in Land Used for Urban Construction with the Decrease in Land Used for Rural Construction in Mountain Counties.*
9:30 Bingqing Li*, School of Public Administration, Chinese University of Geosciences; Zhangqi Wang, School of Public Administration, Chinese University of Geosciences, *Optimal allocation of urban land-use based on ecological security: a sample research in Xiangyang.*

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1180. Dilemmas I: Queer in the City (Sponsored by Cultural Geography Specialty Group, Sexuality and Space Specialty Group)

Room: *Vienna South, Marker Hotel, Lower Level* (Paper Session)

ORGANIZER(S): Julia De Montigny, Dawson College; Rae Rosenberg

CHAIR(S): Julia De Montigny, Dawson College

8:00 Rae Rosenberg*, York University, *The Thin Pink Line: Community policing of queer and trans youth of color in Chicago's Boystown.*

8:20 Damon Scott, Ph.D.*, Miami University, *On this Site in 1964: A Queer History of the San Francisco Hilton Hotel.*

8:40 Adrian N. Mulligan*, Bucknell University, *Performance, Possibility and Paradox: St. Patrick's Day Parades and the Politics of Heteronormativity.*

9:00 Bo Zhao*, Kennedy School of Government, Harvard University, *Coming Out of Geographic Information: Investigating the LGBT Friendly Communities Using Geo-tagged Tweets.*

1181. Hystericizing psychoanalytic geography

Room: *Caracas, Marker Hotel, Lower Level* (Panel Session)

ORGANIZER(S): Jesse Proudfoot, University of Durham; Paul T. Kingsbury, Simon Fraser University; Arun Saldanha, University of Minnesota - Minneapolis

CHAIR(S): Jesse Proudfoot, University of Durham

Discussant(s): Anna J Secor, University of Kentucky

Panelists: Nazanin Naraghi, College of the Canyons; Steve Pile; Maureen Sioh, DePaul University; Paul T. Kingsbury, Simon Fraser University; Jesse Proudfoot, University of Durham; Heidi J. Nast, DePaul University

1182. Childist Landscapes: Geographies of child abuse and neglect, and the maltreatment of young people (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

Room: *Beijing, Marker Hotel, 2nd Floor* (Paper Session)

ORGANIZER(S): Ann Marie F. Murnaghan, University of Winnipeg

CHAIR(S): Ann Marie F. Murnaghan, University of Winnipeg

8:00 Ann Marie F. Murnaghan*, Centre for Research in Young People's Texts and Cultures, University of Winnipeg, *Childist Urban Landscapes.*

8:20 Ann Marie Masangcay*, Esri, *Social Workers Finding Common Ground with Human Geographers.*

8:40 Bree Akesson, PhD*, Wilfrid Laurier University, *The Miasma of Occupation: The Effects of Seen and Unseen Violence on Palestinian Children and Families.*

9:00 Kathryn Kulbicki*, Westat, *Geographic Challenges of Children in Foster Care.*

Discussant(s): Lorraine Dowler, Penn State University

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- 1201. Trees in the City 2: Ecological, social or economic benefits and costs of urban forests (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: *Golden Gate 1, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto- Mississauga
 CHAIR(S): Tenley Conway, University of Toronto- Mississauga
10:00 Shawn Landry*, University of South Florida; Michael Andreu, University of Florida; Carolyn Cheatham-Rhodes, University of South Florida; Robert Northrop, University of Florida / IFAS; Wayne Zipperer, US Forest Service, Southern Research Station, *Extending the life of urban forest field sampling data: Predicting i-Tree model outputs using remote sensing with baseline field data.*
10:20 James W. N. Steenberg*, Ryerson University; Andrew A Millward, PhD, Ryerson University, *Supply of Urban Forest Ecosystem Services and their Vulnerability: A Prospective Analysis.*
10:40 Kathryn Fernholz*, Dovetail Partners, *Urban Forest Assessments and Urban Tree Use: Lessons Learned from Minneapolis/St. Paul (MN), Raleigh (NC) and Richmond (VA).*
11:00 Shannon Lea Watkins, PhD*, San Francisco State University; Ed Gerrish, PhD, University of South Dakota, *The Relationship Between Urban Trees, Race, and Income: A Meta-Analysis.*
11:20 Camilo Ordóñez, PhD*, Environmental Sustainability Research Centre, Brock University, *Managing Urban Forest Services in a Changing Cultural Landscape: A Case for Exploring Urban Forest Values of Immigrant Populations in Canadian Cities.*
- 1202. (Re)Articulating Diversity in Scholars and Scholarship: Experiences from Graduate Students at UC Berkeley**
Room: *Golden Gate 2, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Guillermo Douglass-Jaimes, University of California, Berkeley
 CHAIR(S): Chryl Corbin, University of California - Berkeley
 Panelists: Frances Roberts-Gregory; Jesse Williamson, University of California - Berkeley; Margot Higgins; Ashton Wesner, University of California, Berkeley; Guillermo Douglass-Jaimes, University of California, Berkeley
- 1203. A Green Economy in the Green Republic? New Directions in Costa Rica Environmental Research**
Room: *Golden Gate 3, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Robert Fletcher, Wageningen University; Brian Dowd-Uribe, University of San Francisco
 CHAIR(S): Robert Fletcher, Wageningen University
 Panelists: Nicholas Babin, Taylor University; Robert Fletcher, Wageningen University; David Lansing, University of Maryland - Baltimore County; Brett Sylvester Matulis, University of Edinburgh; Brian Dowd-Uribe, University of San Francisco
- 1204. Waste Studies I: The Wastes of Governance**
Room: *Golden Gate 4, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Scott Lougheed, Queen's University; Isabel Urrutia, University of Toronto; Virginia Maclaren, University Of Toronto
 CHAIR(S): Scott Lougheed, Queen's University
10:00 Scott Lougheed*, Queen's University, *The waste of Biopolitical food safety governance.*
10:20 Hyojin Pak*, Leiden University, *Managing the Disorderly: Formal and Informal Actors in Making Seoul's Nanji Landfill, 1978-1993.*
10:40 Lucy Jane Wishart, LLB MSc PhD*, *More Than Just Recycling. How Does the Goal of Zero Waste Impact Upon Ways of Thinking about Governance in Scotland?.*
- 11:00** Shelley Buchbinder*, CUNY - Graduate Center, *The Good, the Bad and The Ugly in the former Industrial Northeast: Between Ideal Community and Community Dumping Ground.*
11:20 Waqas H Butt*, University of California, San Diego, *The Political Categories of Waste Governance: a Consideration of Colonial and Contemporary Lahore.*
- 1205. Economic Geography II - Evolutionary Ideas: Agents and Spaces (Sponsored by Economic Geography Specialty Group)**
Room: *Golden Gate 5, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): David L. Rigby, UCLA
10:00 Päivi Oinas*, University of Turku, Turku School of Economics, *The Firm in Evolutionary Economic Geography - Uncovering the Firm-Environment Nexus?.*
10:20 Spyridon Stavropoulos*, Erasmus University Rotterdam; Martijn Burger, Erasmus University Rotterdam; Frank Van Oort, Erasmus University Rotterdam, *Related Variety and Firm Productivity.*
10:40 Dieter Kogler, University College Dublin; Peter Kedron*, Ryerson University; Sharmistha Bagchi-Sen, SUNY - Buffalo, *From individual to regional networks: patterns and pathways in biofuel innovation.*
11:00 Stefano Usai*, University of Cagliari; Mario Maggioni, Università Cattolica Milano; Emanuela Marrocu, University of Cagliari; Erika Uberti, Università Cattolica Milano, *Of Trees and Monkey. The evolution of product space and the technological specialization of European regions.*
11:20 Dieter Franz Kogler*, University College Dublin, *Metropolitan Knowledge Spaces - Technology Evolution in the Canadian Urban System.*
- 1206. Governing the Future II: Re-Contextualizing Expertise (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: *Golden Gate 6, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Kevin Grove, Florida International University; Nathaniel O'grady, Southampton University
 CHAIR(S): Nathaniel O'grady, Southampton University
 Introducer: Kevin Grove
10:05 Peter Rogers, DR*, Macquarie University, *Beyond Disaster: Resilience and the Politics of Emergence.*
10:23 Sara Nelson*, University of Minnesota, *Sustaining Supply Chains: Corporate Resilience through Green Infrastructure.*
10:41 Stefan Bouzarovski*, University of Manchester, *Contested vulnerabilities: Energy and resilience in the European Union.*
10:59 Jon Coaffee*, University of Warwick, *Infrastructure lifelines and the geo-politics of resilience.*
11:17 Stephen Collier*, The New School; Savannah Cox, The New School; Kevin Grove, Florida International University, *Resilience Planning in Post-Sandy New York.*
- 1207. Creative Placemaking and Beyond: Continuing and Re-invigorating the Arts-led Conversation Part 2 (Sponsored by Cultural Geography Specialty Group)**
Room: *Golden Gate 7, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Anita McKeown, NCAD; Cara Courage, University of Brighton
 CHAIR(S): Anita McKeown, NCAD
10:00 Dominc Walker*, University of Exeter, *Agency in the public realm: learning from Critical Art Ensemble.*
10:20 Sarah Barns, Dr*, University of Western Sydney, *Arrivals and Departures: Public space, public collections, and public contests over Sydney's waterfront history.*

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- 10:40** Shauta Marsh, Co-founder/Curator*, Big Car Collaborative; James Walker, Executive Director*, Big Car Collaborative, *On the importance of engagement, collaboration and bringing art to people in placemaking.*
- 11:00** Eje Kim*, Gyeongin National University of Education, *The condition of creative placemaking through public art: Critical reflections on Anyang Public Art Project in S. Korea.*
- Discussant(s): Ann Markusen, University of Minnesota
- 1208. Impacts of Land-Cover/Land-Use Change on the Dynamics of the Coupled Natural and Human Systems (Sponsored by China Specialty Group, Remote Sensing Specialty Group)**
- Room:* Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
- ORGANIZER(S): Conghe Song, Univ of North Carolina at Chapel Hill; Yang Shao, Virginia Tech; Qi Zhang, UNC-Chapel Hill
- CHAIR(S): Conghe Song, Univ of North Carolina at Chapel Hill
- 10:00** Chen XIE*, China National Forestry Economics and Development Research Center, *How forest ecological restoration change farmers' livelihood-evidence from 15 years monitoring of CCFP households in 100 counties around China.*
- 10:20** Qi Zhang*, University of North Carolina at Chapel Hill; Conghe Song, University of North Carolina at Chapel Hill; Richard Bilsborrow, University of North Carolina at Chapel Hill, *Influence of the Conversion of Cropland to Forest Program on Out-Migration from Rural Households: A Case Study in Tiantangzhai, Anhui, China.*
- 10:40** Yang Shao*, Virginia Tech; Gina L Li, Virginia Tech; James B Campbell, Virginia Tech, *Simulate future agricultural land use changes and their impacts for selected Corn Belt watersheds.*
- 11:00** Chong Liu*, Jiangxi Normal University; Conghe Song, Department of Geography, University of North Carolina at Chapel Hill, *Evapotranspiration responses to vegetation restoration and climate change: a case study in the Poyang Lake Basin from 1983 to 2012.*
- 11:20** Conghe Song*, Department of Geography, Univ of North Carolina at Chapel Hill; Qi Zhang, Department of Geography, University of North Carolina at Chapel Hill, *Impact of China's Forest Restoration and Conservation Programs on Farmers Fuelwood Use: A Case Study in Tiantangzhai Township, Anhui China.*
- 1210. Innovative Strategies for Evolving Tech Industries**
- Room:* Plaza B, Hilton Hotel, Lobby Level (Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): William B. Beyers, University Of Washington
- 10:00** Tobias Ebert*, University of Cambridge; Thomas Brenner, Philipps-University Marburg; Udo Brixy, Institute for Employment Research (IAB), Nuremberg, *New Firm Survival: The Interdependence between Regional Externalities and Innovativeness.*
- 10:20** Sebastian Stiehm*, RWTH Aachen University; Anja Richert, RWTH Aachen University; Sabina Jeschke, RWTH Aachen University, *(Re-) Integration of Production in Urban Areas - Development of an explorative research design to identify core factors.*
- 10:40** Katja Bringmann*, University of Antwerp, *Cross-Border Venture Capital Investment: Is There Still a Place for Geography?.*
- 11:00** William B. Beyers*, University Of Washington, *The Evolution of Technology-Based Industry In Washington State.*
- 11:20** Jeffrey Miller*, GeoWing Mapping Inc., *The Importance of Geographic Literacy in the Emerging Drone Industry.*
- 1211. Hydroclimatology II (Sponsored by Climate Specialty Group)**
- Room:* Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
- ORGANIZER(S): Manuel Hernandez, University of North Carolina - Chapel Hill; Natalie Teale, Rutgers University
- CHAIR(S): Manuel Hernandez, University of North Carolina - Chapel Hill
- 10:00** Johnathan W. Sugg*, University of North Carolina at Chapel Hill; Charles E. Konrad, University of North Carolina at Chapel Hill, *Relating Mountain Hydroclimate Variability to Synoptic Weather Patterns Using Self-organizing Maps.*
- 10:20** Natalie Teale*, Rutgers University; David Robinson, Rutgers University; Steven Quiring, Texas A&M University, *Atmospheric features linked with flooding in the Catskill Mountains, NY, USA: A case study approach.*
- 10:40** Allan Frei*, Hunter College, City University of New York, CUNY Institute for Sustainable Cities; Kenneth E. Kunkel, NOAA/National Climatic Data Center, and Cooperative Institute for Climate and Satellites, North Carolina State University, Asheville, North Carolina; Adao Matonse, Bureau of Water Supply, New York City Department of Environmental Protection, Grahamsville, NY, *A seasonal shift in extreme hydrological events in the Northeastern U.S..*
- 11:00** Jordan T. McLeod*, Southeast Regional Climate Center; Charles E. Konrad, Southeast Regional Climate Center, *A Synoptic Climatology of Precipitation Forcing Features Associated with Atmospheric Rivers and Creeks Across the Eastern United States.*
- 11:20** Charles E. Konrad*, University of North Carolina - Chapel Hill; Jordan McLeod*, *Relationships Between Synoptic-Scale Atmospheric Fields and Precipitation Across the Eastern United States.*
- 1212. Society and Environment in the Amazon 2: Quantitative Approaches to Social-Ecological Amazonian Systems**
- Room:* Continental 2, Hilton Hotel, Ballroom Level (Paper Session)
- ORGANIZER(S): Michael Waylen, University of Florida; David Kaplan, University of Florida; Kelsie A. Timpe, University of Florida
- CHAIR(S): Michael Waylen, University of Florida
- 10:00** Elizabeth P Anderson*, School of Environment, Arts and Society, Florida International University; Clinton Jenkins, Instituto de Pesquisas Ecológicas, Brazil; Javier A Maldonado-Ocampo, Departamento de Biología, Pontificia Universidad Javeriana, Colombia; Sebastian A. Heilpern, Ecology, Evolution and Environmental Biology, Columbia University, *Quantifying the effects of hydropower development on Andes-Amazon connectivity.*
- 10:20** Kelsie A. Timpe*, University of Florida; David Kaplan, PhD, University of Florida, *Quantifying the Hydrological Impacts of Damming the Amazon.*
- 10:40** Shivangi Prasad*, University of Miami; Jose Maria Cadoso da Silva, University of Miami, *Ecological and Socio-economic Infrastructures in the Brazilian Amazon: Implications for a Changing Climate.*
- 11:00** Joanna M Tucker Lima, University of Florida; Denis Valle, University of Florida; Evandro M Moretto, University of São Paulo; Daniel Rondinelli Roquette, University of Sao Paulo; Sergio Mantovani Paiva Pulice, University of Sao Paulo; Nadia Lucia Zuca, University of Sao Paulo; Liviam Cordeiro Beduschi, University of Sao Paulo; Amanda Salles Praia, University of Sao Paulo; Claudia Parucce Franco Okamoto, University of Sao Paulo; Vinicius Leite da Silva Carvalhaes, University of Sao Paulo; Kelsie Timpe, University of Florida; Emily Labandera, University of Florida; Bruna Barbezani, Arizona State University; David A Kaplan*, University of Florida, *A social-ecological database*

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to advance research on the effects of infrastructure development in the Brazilian Amazon.

- 11:20** Michael Waylen*, University of Florida, *The Importance of Place: Modeling Socio-Environmental Impacts of Hydropower in Marabá, Brazil.*

1213. PQN De/Naturing Social Reproduction II (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

Room: Continental 3, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Juliane Céleste Jasmine Collard, University of British Columbia; William McKeithen, University of Washington; Caitlin Henry, University of Toronto

CHAIR(S): Juliane Céleste Jasmine Collard, University of British Columbia

- 10:00** Sarah Brown*, University of British Columbia, *Disciplining Child Adoption in Guatemala.*

- 10:20** Katharine Mckinnon, PhD*, La Trobe University, *Rethinking the labor of labor: reproduction as work.*

- 10:40** Andrea Ford*, University of Chicago, *Ethical Futures and the Imagination of Life in Californian Childbearing.*

1216. Transport Policies, Moving People, and Cargo

Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Program Committee

CHAIR(S): Keith G. McKoy, Sheffield Hallam University

- 10:00** Feiyang Sun*, University of Washington; Xue Zhang, Cornell University, *Impact of Production Factor Mobility on Firm Location Choice: An Agent-Based Model Approach.*

- 10:20** Gordon Wilmsmeier*, ECLAC / Hochschule Bremen; David Jallow, ECLAC; Lizette Trubilo, *Cargo cycles an underestimated piece the complex urban freight puzzle.*

- 10:40** Keith G. McKoy, Dr*, Sheffield Hallam University, *The Transformation of the Public Sphere in Transport Politics.*

- 11:00** Zhuo Chen*, University of Illinois At Urbana Champaign, *Trade and Low Temperature Logistics between Taiwan and Mainland.*

1217. Geocentric Work of Art (Part 2): Creative Minds Doing Things Beyond Academic Boundaries

Room: Continental 7, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Lakhbir K. Jassal

CHAIR(S): Lakhbir K. Jassal

Introducer: Lakhbir K. Jassal

Discussant(s): Lakhbir K. Jassal

Panelists: John Finn, Christopher Newport University; Sasha H. Engelmann, University of Oxford; Aga Szweczyk, Loughborough University; Jennifer Christensen, UCLan/CRI; Marisela Ponce De Leon Valdes

1218. Geomorphology, Environment

Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ike Sari Astuti, University of Georgia

- 10:00** Bryce K Marston, Ph.D. Candidate*, Kansas State University; Melinda D Daniels, Dr., Stroud Water Research Center; Sandra E Ryan-Burkett, Dr., Rocky Mountain Research Station, USFS, *Geomorphology and Large Wood Dynamics of Headwater Mountain Streams Infested by the Mountain Pine Beetle, Medicine Bow National Forest, Wyoming.*

- 10:20** Xiaoyu Lu*, University of Tennessee; Yingkui Li, University of Tennessee; Robert Washington-Allen, University of Tennessee, *Studying Rill Formation on Hillslope using Terrestrial Laser Scanner: A Case Study in Loudon, Tennessee.*

- 10:40** Holly Baker, Graduate Student*, New Mexico State University; Michaela Buenemann, Associate Professor,

New Mexico State University; Cornelis Van Der Waal, Agri-Ecological Services; Jeffrey E. Herrick, USDA-URS Jornada Experimental Range, *Relationships Between Bush Cover and Soil Erosion: An Assessment Using Remote Sensing, Geographic Information System, and Crowdsourcing Technologies.*

- 11:00** Kristine T Taniguchi*, San Diego State University - University of California, Santa Barbara; Trent Biggs, San Diego State University; Eddy Langendoen, USDA ARS; Napoleon Gudino, CICESE; Yongping Yuan, US EPA; Douglas Liden, US EPA, *Channel stability and erosion in a rapidly urbanizing region of the US-Mexico Border: Importance of channel hardpoints.*

- 11:20** Ike Sari Astuti*, Dept. of Geography, University of Georgia; Deepak R Mishra, Center for Geospatial Research, Dept. of Geography, University of Georgia, USA; Bagus Setiabudi Wiwoho, Dept. of Geography, State University of Malang, Indonesia, *Monitoring 20 Years Suspended Sediment Dynamics in Tropical Reservoirs in a Developing Country.*

1219. States, Markets, and Shifting Bureaucratic Capacities 2

Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Patrick Bigger, University of Kentucky; Kelly Kay, Clark University

CHAIR(S): Patrick Bigger, University of Kentucky

- 10:00** Kelly Kay*, London School of Economics, *Governance Through Taxation: Colorado's Conservation Tax Credit Markets and the Changing Loci of Environmental Governance.*

- 10:20** Christopher Oliver*, Tulane University, *Financing toxic neighborhoods and maintaining environmental injustices: Public development projects on former municipal waste sites in New Orleans.*

- 10:40** Manuel Wirth*, University of Zurich - Zurich, *A post-neoliberal policy? A study of Social Impact Bonds as an example for the emergence of "market-state hybrids".*

- 11:00** Phil Johnstone*, University of Sussex, *Examining the contradictions of neoliberal governance: The role of the 'deep infrastructure complex', 'qualities of democracy', and 'shape shifters' in the strange world of UK energy policy.*

Discussant(s): Christopher Muellerleile, Swansea University

1220. New Geographies of Foreign Investment in Residential Real Estate: Session 2

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Dallas Rogers, Western Sydney University; David F. Ley, University of British Columbia

CHAIR(S): Dallas Rogers, Western Sydney University

Introducer: Dallas Rogers

- 10:20** Matt Wade*, UC Berkeley, *Global Jakarta: Geographies of Real Estate Capital beyond FDI.*

- 10:40** Ngai Ming YIP*, City University of Hong Kong, *Foreign Real Estate Investment and the commodification of urban life: Ciputra and the new urban areas in Hanoi.*

- 11:00** Olga Hannonen*, University of Eastern Finland; Yulian Konstantinov, University of Tromsø; Leonid Polischchuk, Uppsala Centre for Russian and Eurasian Studies, *Pre-emptive Diasporas: Russians' real estate acquisition in Bulgaria.*

- 11:20** Carles Carreras*, University of Barcelona; Gonzalo Bernardos, University of Barcelona; Sergi Martinez-Rigol, University of Barcelona; Lluís Frago, University of Barcelona; Alejandro Morcuende, University of Barcelona, *International tourism and globalization of the real state market. The Barcelona case.*

1221. Geographies of Youth II (Sponsored by Health and Medical Geography Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)

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ORGANIZER(S): Caroline Barakat, University of Ontario Institute of Technology

CHAIR(S): Caroline Barakat, University of Ontario Institute of Technology

10:00 Margaret E Robertson, PhD*, La Trobe University, *The pop-up reality for youth on the urban fringe: Their spaces; their times and their futures.*

10:20 Caroline Barakat*, University of Ontario Institute of Technology; Sheng Zhang, University of Toronto, *Asthma, Wheeze, and Dry Nocturnal Cough among Adolescents from Nine Geographic Regions in the United Arab Emirates..*

10:40 He Jin*, Texas State University - San Marcos; Yongmei Lu, Texas State University, *Regionalization of School Youth's Body Mass Index in Texas Using Contiguity Constrained Clustering and Partitioning.*

Discussant(s): Caroline Barakat, University of Ontario Institute of Technology

1222. Critical Sustainabilities II: Sustainability, Resilience, and the Politics of Water

Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Lindsey Dillon, University of California - Davis; Miriam Greenberg; Rachel Brahinsky, University of San Francisco

CHAIR(S): Lindsey Dillon, University of California - Davis

10:00 Steven Lang*, CUNY, *Promise or peril: incorporating resiliency into sustainability planning for the post Hurricane Sandy New York City waterfront.*

10:20 Rebecca Elliott*, UC Berkeley, *"What's Old is New Again: The Repurposing of the U.S. National Flood Insurance Program for Sustainability".*

10:40 Kirsten Rudestam*, University of California, Santa Cruz, *Culture, Nature, and Power: Exploring the Political Dimensions of Sustainable Groundwater Management in the Pajaro Valley, California.*

11:00 Erin Goodling*, Portland State University, *Grassroots Resistance in the Sustainable City: A People's History of the Portland Harbor.*

Introducer: Lindsey Dillon

1223. The economy of cities: 02 Vehicular transportation

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): John Miron, University of Toronto

CHAIR(S): YUN LI, Shenzhen University

10:00 Kelcie M Ralph, PhD*, Rutgers University, *Will young people return to driving when the economy recovers? Probably.*

10:20 Xize Wang*, University of Southern California, *"Peak Car" in the car capital: A cohort analysis for driving to work in Los Angeles County, California.*

10:40 Joseph Ferreira*, MIT; Philip Kreycik, MIT, *Intra-Metropolitan Vehicle Miles Traveled (VMT) Patterns: Evidence from Massachusetts' Safety Inspection Data.*

11:00 Kristian Bothe*, University of Copenhagen, *Urban transport and labour market linkages - the impact of the Copenhagen Metro on intra-urban labour mobility.*

11:20 YUN LI*, Shenzhen University, *How the Built Environment Affects Traffic Safety: View from the Road Accident Analysis in Nanshan, Shenzhen.*

1224. Health Geography, Medical Humanities, and Narrative Medicine II (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Health and Medical Geography Specialty Group)

Room: Imperial A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Courtney Donovan, San Francisco State University; Sarah De Leeuw, University of Northern British Columbia

CHAIR(S): Sarah De Leeuw, University of Northern British Columbia

10:00 Rebecca J Hogue, BSc, MA, PhD(c)*, University of

Ottawa, *Blogging as pathography - A survivor's story.*

10:20 Skye Naslund*, University of Washington, *Narratives of Care: Negotiating Social Services for the Disabled.*

10:40 Gentry Powell Hanks*, Queen's University, *Historical Geographies of Diabetes: "Now here I am, a normal happy and I even hope useful individual".*

11:00 Maggie Wilson*, University of Washington, *From Neglected Tropical Disease to "Public Health Emergency of International Concern": Representations of Ebola in 2014 and Beyond.*

11:20 Marti L. Klein*, California State University - Fullerton, *The Father, the Son, and the Spectre of Anxiety: the Deception of Richard Henry Dana Jr.*

1225. Geography and Literature I: Identities and Subjectivities (Sponsored by Graduate Student Affinity Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Abdul Aijaz, Indiana University; Jessie Speer; Jacqueline Diagneault, University of Minnesota - Minneapolis

CHAIR(S): Abdul Aijaz, Indiana University

10:00 Abdul Aijaz*, Indiana University, *Yazeed: Configurations of the self around interests and identities.*

10:20 Jessie Speer*, *Memoirs of the Street: Interrogating Subalternity through Lee Stringer's "Grand Central Winter".*

10:40 Evan H. Carver*, University of Washington, *Graffiti Writing as Urban Narrative.*

11:00 Peter J. Hugill, Professor*, Texas A&M University, *Building Aerial Empires: technology and geopolitics in young adult literature in the 1920s & 30s.*

Discussant(s): Ramesh C. Dhussa, Drake University

1226. Climatology, Climate Change

Room: Yosemite A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Richard Perkins, Department of Geography and Environment, LSE

10:00 Kevin Sampson*, National Center for Atmospheric Research, *The NCAR GIS Program: Improving Accessibility to Atmospheric and Climate Model Data.*

10:20 Ghazi Ali Al-Rawas*, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University; Luminda Hewawasam, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University; Malik Al-Wardy, Department of Soils, Water and Agricultural Engineering, College of Agricultural and Marine Sciences, Sultan Qaboos University; Yassine Charabi, Department of Geography, College of Arts and Social Sciences, Sultan Qaboos University, *Spatio-temporal Analysis of Extreme Rainfall Distribution and Variability in Oman.*

10:40 Carly Muir*, University of Florida, *Assessment of Agriculturally Relevant Rainfall Characteristics in Central Ghana.*

11:00 Gregory S. Bohr*, California Polytechnic State University, San Luis Obispo, *Precipitation timing and intensity in the western United States.*

11:20 Richard Perkins*, Department of Geography and Environment, LSE; Michal Nachmany, Department of Geography and Environment, LSE, *Learning through international networking? The role of the GLOBE Climate Legislation Initiative (GCLI) on the innovation and diffusion of climate change policies.*

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- 1227. Career Mentoring A (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Mark Revell, American Association of Geographers
 Discussant(s): Peter George Chirico, United States Geological Survey; Jonathan Wessell, Grand Valley State University; Linda A. Peters, Esri; Pablo Fuentesnebro, United Nations Environment Programme (UNEP); JoAnn (Jodi) Vender, Pennsylvania State Univ; Heather R. Houlton, American Geosciences Institute; Jimmy Dao, City of Brea
- 1228. Time Series Analysis of Satellite Images: Algorithms and Applications (II) (Sponsored by Remote Sensing Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Qihao Weng, Indiana State University
 CHAIR(S): Cuizhen Wang, University of South Carolina
10:00 Qihao Weng*, Indiana State University, *Time Dimension of Satellite Derived LST Data: A Revisit.*
10:20 Lei Zhang*, Indiana State University; Qihao Weng, Indiana State University, *Annual dynamics of impervious surface in the Pearl River Delta, China, from 1988 to 2013, using time series Landsat imagery.*
10:40 Naizhuo Zhao*, Texas Tech University; Eric L. Samson, Mayan Esteem Project, *Producing highly compatible nighttime light time series images in China: 1978 - 2015.*
11:00 Yang Ju*, University of California - Berkeley; Qin Ma, University of California, Merced; Xiang Zhang, Nanjing University; Iryna Dronova, University of California - Berkeley, *Monitoring urbanization dynamics in China using night time light trajectories from 1992 to 2013.*
11:20 Cuizhen Wang*, University of South Carolina; Linlin Lu, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, *Spatiotemporal dynamics of human settlement patterns in the Southeast U.S. from DMSP/OLS nightlight time series.*
- 1229. Spatial Data Mining and Big Data Analytics (2) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Caglar Koylu, University of Iowa; Diansheng Guo, University Of South Carolina; May Yuan, University Of Texas - Dallas
 CHAIR(S): Caglar Koylu, University Of Iowa
10:00 May Yuan*, University of Texas - Dallas, *Building Spatial Narratives to Humanize Digital Spaces with Big Data Analytics.*
10:20 Liem Tran*, University of Tennessee at Knoxville; Jiaoli Chen, University of Tennessee at Knoxville; Shih-Lung Shaw, University of Tennessee at Knoxville, *How cab drivers in Wuhan, China, make routing decision - Determine the Relative Importance of Interrelated Variables in a Large Spatial Dataset.*
10:40 Diansheng Guo*, University Of South Carolina, *Multi-Scale Flow Mapping for Big Spatial Mobility Data.*
11:00 Jing Gao*, National Center for Atmospheric Research; Brian O'Neill, National Center for Atmospheric Research, *Understanding the relationship between the spatiotemporal patterns of human population and build-up area: A data-driven approach.*
11:20 Caglar Koylu*, University of Iowa; Diansheng Guo, University of South Carolina, *Utility and Usability Evaluation of Bézier Curves for Flow Map Design.*
- 1230. Geographies of diversity and national identity: challenges, transformations and opportunities, II (Sponsored by Geography of Religions and Belief Systems Specialty Group, Ethnic Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Kevin Mark Dunn, University of Western Sydney; Rosalie Atie, University of Western Sydney; Alanna Kamp, Western Sydney University
 CHAIR(S): Kevin Mark Dunn, University of Western Sydney
10:00 Kevin Mark Dunn, Professor*, University of Western Sydney; Rosalie Atie, Western Sydney University, *Police, state and Muslim community relations: procedural justice, religious diversity and Islamophobia.*
10:20 Rhonda Itaoui*, Western Sydney University, *The spatial impacts of Islamophobia on the mobility of Muslim in Sydney.*
10:40 Nicolas Van Puymbroeck*, *The Integration Controversy in European Cities: Between Decentralization and Statification.*
11:00 Husnia Underabi*, *The Local Geopolitics and mosque sermons.*
 Discussant(s): Alanna Kamp, Western Sydney University
- 1231. Historical geographies of environmental knowledge: science, space and power**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Martin Mahony, University of Nottingham; Angelo Matteo Caglioti, University of California - Berkeley
 CHAIR(S): Michael Heffernan, University of Nottingham
10:00 Angelo Matteo Caglioti*, University of California - Berkeley, *Learning Imperialism: Meteorology as Infrastructure of Geographical Knowledge in Italian East Africa.*
10:20 Martin Mahony*, University of Nottingham, *Weather, climate, and the colonial imagination: Albert Walter's agricultural meteorologies.*
10:40 Aitong Li*, The University of Tokyo, *Geographers and construction of scientific narratives around the 1930s Dust Bowl.*
11:00 Jameson Karns*, University of California - Berkeley, *Borders of Flame: Fire Science in British India.*
11:20 James Henry Bergman*, Michigan State University, *Local Climate Change, 1950s-Style.*
- 1232. Modelling the interactions of environmental stresses and social responses (Sponsored by Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Liang Yang, University of Hamburg; Mark S. Johnson, University of British Columbia
 CHAIR(S): Liang Yang, University of Hamburg
10:00 Mark S. Johnson*, University of British Columbia; Silja Hund, University of British Columbia; Laura Morillas, University of British Columbia; Douw G Steyn, University of British Columbia, *Integrating socio-hydrology with ecohydrology to evaluate freshwater security in relation to multiple, interacting stressors in a drought-prone tropical region.*
10:20 Christopher Andersen*, University of Colorado at Denver; Olga Serenchenko, University of Colorado Denver; Christy Briles, University of Colorado Denver, *4,000 years of Human Settlement: The Anthropogenic Modification of the Northern Vietnam Red River Delta.*
10:40 Alex Kara*, University of Cincinnati, *Environmentally Displaced Populations from El Petén to the Prairies: Studying the Spatial Dynamics of Environmental Stress, Social Conflict, and Forced Migration with Agent Based Modeling.*

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- 11:00** Yoo Soon An*, Seoul National University; Dongsuk Huh, Seoul National University; Soojin Park, Prof., Seoul National University, *A Multi-agent System to Assess Land-Use and Cover Change: Focused on the Decision Making Process of Agents.*
- 11:20** Elodie Valette, Dr*, International Food Policy Research Institute / CIRAD; Jérémy Bourgoin, Dr., CIRAD / ISRA Bame, *Participatory action-research for improved land governance in Senegal. Using geo-information tools to assessing agribusiness dynamics as means to empower local communities.*
- 1233. Gendering the City: Culture, Identity and Mobility in Global Perspective 2**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Melissa Butcher; Kate Maclean, Birkbeck, University of London
 CHAIR(S): Melissa Butcher
10:00 Kate Maclean*, Birkbeck, University of London, *The 'chola bourgeoisie': Theorising processes of displacement, identity and urban change from the 'South'.*
10:20 Rosie Cox*, Birkbeck, University of London, *Cities, Mobility and Gendered Cultures of Social Reproduction: the case of au pair employment in London.*
10:40 Aparna Parikh, Doctoral Candidate*, Pennsylvania State University, *Graveyard Shifts in Outsourced Call Centers: Navigating and Shaping of Night Landscapes by Female Call Center Workers in Mumbai, India.*
11:00 Maddalena Chiellini*, Birkbeck, University of London, *The Drive to Drive: mobility and aspiration amongst young women in Delhi.*
11:20 Oznur Sahin*, University of Western Sydney, *Gender and Place: A Case Study of a Women's Council in Istanbul.*
- 1234. Environmental Sustainability: Focus on Water Quality and Quantity Issues (Sponsored by Water Resources Specialty Group)**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University
 CHAIR(S): Caiyun Zhang, Florida Atlantic University
10:00 Delia Rosenblatt Heck*, Ferrum College, *Smith Mountain Lake Water Quality Monitoring: Partnerships, Policy & Land-Use Management.*
10:20 Roberto E. Morales-López*, San Juan Bay Estuary Program; Omar Perez, San Juan Bay Estuary Program, *Mapping the geographies of poop; local residents participation in the management and elimination of sanitary sewage pollution.*
10:40 Nathan Torbick*, AGS; Megan Corbiere, AGS, *Mapping inland lake water quality and Cyanobacterial Harmful Algal Blooms with multiscale remote sensing.*
11:00 Jianyong Wu*, University of North Carolina - Chapel Hill; Mohammad Yunus, International Centre for Diarrhoeal Disease Research, Bangladesh; Sirajul Islam, International Centre for Diarrhoeal Disease Research, Bangladesh; Michael Emch, University of North Carolina at Chapel Hill, *Impact of land cover and weather extremes on fecal contamination of groundwater in Bangladesh.*
11:20 Caiyun Zhang*, Florida Atlantic University; Zhixiao Xie, Florida Atlantic University, *Salinity Assessment in Florida Bay Using Landsat TM Data.*
- 1237. Hazards and Disasters of the Pacific Ring of Fire (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas
 CHAIR(S): Laura Kathryn Siebeneck, University of North Texas
- 10:00** Craig Thorburn*, Melbourne University, *The Aftermath of Recovery - Aceh ten years after the Indian Ocean tsunami.*
- 10:20** Anuradha Mukherji*, East Carolina University, *Land Use Planning and Adaptation in Post-Tsunami Sendai, Japan.*
- 10:40** Jeffrey Higgins*, Florida State University, *Resolution and pattern of earthquake related geo-tweet data in Japan.*
- 11:00** Takashi Oda*, Miyagi University of Education, *Demarcating the boundaries of tsunami memories and reinforcing indigenous knowledge: Cases from survivors of the 2011 earthquake in Japan.*
- 11:20** Aiko Sakurai*, Tohoku University; Takeshi Sato*, Tohoku University; Yoshiyuki Murayama*, Yamagata University, *Application of Town-Watching and Map Making Approach to Disaster Recovery Education Program at Schools in the Affected City by the 2011 Great East Japan Earthquake and Tsunami.*
- 1238. Geographies of Media I: Geographies of Science Fiction and Fantasy (1) (Sponsored by Communication Geography Specialty Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Hannah Gunderman, University of Tennessee, Knoxville; Joseph Palis, University of the Philippines-Diliman
 CHAIR(S): Hannah Gunderman, University of Tennessee, Knoxville
10:00 Kolson Schlosser*, Temple University, *Apocalyptic Imaginaries, Gramsci and the Last Man on Earth.*
10:20 Elena Dell'Agnes*, Università Di Milano-Bicocca, *Earth abides? Landscapes of disasters and environmental discourse in SCI-FI and dystopian narratives.*
10:40 Robert E. Boon*, University of Missouri, *Framing the Anthropocene with Brin's Uplift Novels.*
11:00 Hannah C Gunderman*, University of Tennessee, Knoxville, *Cosplay, Comic-Con, and Character Development: The Influence of Science Fiction Fandom on Social Responsibility and Empathy.*
 Discussant(s): Luke Richard Barnesmoore, University of British Columbia
- 1239. Migration, Displaced Populations and HEALTH (Sponsored by Geographic Information Science and Systems Specialty Group, Africa Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Imelda K. Moise; Sara McLafferty, University of Illinois; Leo Charles Zulu, Michigan State University
 CHAIR(S): Sara McLafferty, University of Illinois
10:00 Rajendra P Subedi*, Department of Geography & Planning, Queen's University; Mark W Rosenberg, Department of Geography & Planning, Queen's University, *Understanding the Physical and Mental Health Status of Skilled Immigrants Employed in Low-Skilled Jobs in Ottawa, Canada: A Mixed Methods Approach.*
10:20 Michele Bolduc*, University of Kentucky, *The Political Economy of Immigrant Health Care in Florida.*
10:40 Imelda K. Moise*, University of Miami; Leo C Zulu, Ph.D, Michigan State University; Timothy Gyuse, Ph.D, Benue State University, Nigeria; Fanan Ujoh, Ph.D, Benue State University, Nigeria; Olarewaju O Ifatimehin, Ph.D, Kogi State University, Nigeria, *Spatial Dimensions and impact of rural-urban Migration on Nutritional Status and Low Birth Weight in Benue State, Nigeria.*
11:00 Lu Wang*, Ryerson University; Elmer Lara Palacios, Ryerson University, *The Social And Spatial Patterning Of Stress Among Immigrants In Canada.*
11:20 Alysha V. Baratta*, University of South Carolina, *Barriers*

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of Space & Time: Refugee Mobility in the New South Immigrant Gateway city of Columbia, SC.

1240. Symposium on Human Dynamics Research: Climate Change II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, American Association of Geographers)

- Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Yi Qiang, Louisiana State University
 CHAIR(S): Yi Qiang, Louisiana State University
- 10:00** Patrick Bitterman*, University of Iowa; David A. Bennett, University of Iowa, *Modeling Farmer Adaptability and Resilience in the Context of Climatic Perturbations.*
- 10:20** Volodymyr Mihunov*, Louisiana State University; Lei Zou, Louisiana State University; Nina Lam, Dr., Louisiana State University, *Community Resilience to Drought Hazard in South-Central U.S..*
- 10:40** Haifeng LIAO*, University of Idaho; Frank M. Wilhelm, University of Idaho, *The effects of ambient water quality and Eurasian milfoil on lakefront property values in the Coeur d'Alene area of Northern Idaho, USA.*
- 11:00** Jinglu Song*, Chinese University of Hong Kong; Bo Huang, Chinese University of Hong Kong, *Assessing local resilience to typhoon disaster: a case study in Nansha, Guangzhou in China.*
- 11:20** Bokjin Roh*, University of Arizona, *Creating a policy framework for effective disaster governance for floods in urban areas: a case study of Seoul.*

1241. Tourism and Environmental Sustainability (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Patrick Brouder, Brock University
 CHAIR(S): Gustav Etienne Visser, Stellenbosch University
- 10:00** Huili Hao*, East Carolina University; Pat Long, East Carolina University, *Does Property Ownership and Purchasing Motivation Affect Attitudes Towards Different Orientations of Sustainability.*
- 10:20** Narayan Prasad Bhusal*, Department of Geography Education, Tribhuvan University, Nepal., *Park and People Relationships in Protected Areas of Nepal.*
- 10:40** Larry Kleitches, Dr. Larry Kleitches*, Georgia State University; Helen Stockton, Second Lt. Helen Stockton, United States Air Force; Ingrid Perez, University of Texas at San Antonio; Matthew Rounding, University of Texas at San Antonio; Lawrence King, University of Texas at San Antonio, *A Geographical Audit of the Australasian Ecozone and Potential Climate Change Effects: Your Mileage May Vary.*
- 11:00** Gustav Etienne Visser*, Stellenbosch University, *The South African tourism system: Reflections on student research.*

1242. Becoming Financial II: Everyday spaces, practices and actors (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

- Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Mark Kear, University of Arizona - Geography & Regional Development; Jessa Loomis, University of Kentucky
 CHAIR(S): Jessa Loomis, University of Kentucky
- 10:00** Mark Kear*, University of Arizona - Geography & Regional Development, *The Realization of Value in Payment Space.*
- 10:20** Prince Karakire Guma*, Technical University of Darmstadt, *Everyday Urban Representations of Mobile Payments: Domestication, Mobility and Coproduction in Nairobi City.*
- 10:40** Daniel G. Cockayne*, University of Kentucky, *The financial and entrepreneurial production of 'dominant*

masculinity' in San Francisco digital media 'startup' firms.

- 11:00** Jane S. Pollard*, Newcastle University; Evelyn Blumenberg, Professor, University of California, Los Angeles; Stephen Brumbaugh, University of California, Los Angeles, *Buy Here Poor Here? Subprime Auto Lending in Los Angeles.*
- 11:20** Mariana Santos*, Durham University, *Stories of wealth, stories of self: Truth-telling and Know Your Customer regulations in Private Banking and Wealth Management.*

1243. Political economy of the extractive imperative

- Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Murat Arsel, Institute of Social Studies
 CHAIR(S): Lorenzo Pellegrini
- 10:00** Murat Arsel*, International Institute of Social Studies - Erasmus University Rotterdam, *Poverty, nature and post-neoliberal developmentalism: Political economy of the foretold demise of Ecuador's Yasuni-ITT initiative.*
- 10:20** Lorenzo Pellegrini*, ISS Erasmus University, *Imaginaries of development through extraction: the 'History of Bolivian Petroleum'.*
- 10:40** Marti Orta-Martínez*, International Institute of Social Studies, *Indigenous activism: Monitoring the socio-environmental impacts of oil companies.*
- 11:00** Teresa Bornschlegl*, Clark University, PhD Candidate, *How and under what conditions do environmental agencies put environmental law(s) into practice? Analyzing environmental law implementation in the oil and gas sector in Ecuador after the 2008 constitutional change.*
- 11:20** Tami Okamoto, PhD candidate*, ISS - Erasmus University Rotterdam; Mario Zuñiga Lossio*, Universidad Nacional Mayor de San Marcos, *(Re)searching with Amazonian indigenous peoples among nascent territorialities of oil contamination.*

1244. Political Ecological Engagements with Migration Studies II (Sponsored by Cultural and Political Ecology Specialty Group, Population Specialty Group)

- Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Lindsey Carte, Utah State University; Brad Jokisch, Ohio University; Claudia A. Radel, Utah State University
 CHAIR(S): Claudia A. Radel, Utah State University
- 10:00** David J. Wrathall*, United Nations University - Institute for Environment and Human Security, *Unveiling Hidden Migration and Mobility Patterns in Climate Stressed Regions: A Longitudinal Study of Six Million Anonymous Mobile Phone Users in Bangladesh.*
- 10:20** Evangeline McGlynn*, Harvard Graduate School of Design, *Moving to Mindanao: Landscape, Migration, and State-building in the Southern Philippines.*
- 10:40** Lindsey Carte, PhD*, Utah State University; Birgit Schmook, PhD, Colegio de la Frontera Sur (ECOSUR), Chetumal, México; Claudia Radel, PhD, Utah State University, *Political ecological engagements with migration studies: Subsistence migration and rural change in Nicaragua.*
- 11:00** Richard C. Jones*, University Of Texas at San Antonio, *Migration Permanence and Transnationalism in Remission: Implications for the Future of International Migration.*
- 11:20** Brad Jokisch*, Ohio University; Lindsey Carte; Claudia Radel, Utah State; Birgit Schmook, ECOSUR, *Migration and Nature-Society Geography: A Comparative Review of the Field.*

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- 1246. The ontological turn, conversations between political ecology and legal geography II: Ontological politics from Heidegger to the more-than-human (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: *Union Square 19, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Joel Correia, University of Colorado At Boulder
 CHAIR(S): Joel Correia, University of Colorado At Boulder
 10:00 Najeeb A. Jan, Asst. Professor*, University of Colorado, *The Signature of the Drone: Law & Sovereign Power in Pakistan's Tribal Regions.*
 10:20 Sean J Pries*, University of California, Davis, *And Justice For All: Private Conservation on the North Fork American River.*
 10:40 Susannah R. McCandless, PhD*, Global Diversity Foundation, *Changing How Milk Works: Justicia Migrante's Leche Con Dignidad Campaign.*
 Discussant(s): Mario Blaser, Memorial University of Newfoundland; Emily Yeh, University of Colorado
- 1247. Making Sense of Heterogeneous and Unequal Geographies of Passengers II: Situated, Embodied and Active Aeromobile Passengerings (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Transportation Geography Specialty Group)**
Room: *Union Square 20, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Jean-Baptiste Fretigny, Universite de Cergy Pontoise; Weiqiang Lin, National University of Singapore
 CHAIR(S): Weiqiang Lin, National University of Singapore
 10:00 Jean-Baptiste Fretigny*, Universite de Cergy-Pontoise, *Why do Contrasted and Heterogeneous Geographies of Passengers Matter?.*
 10:20 Anna Nikolaeva*, Royal Holloway, University of London, *Understanding Sociality and Agency of Mobile Publics: Expectations, Interventions and Possibilities.*
 10:40 Veronika Zuskacova*, Masaryk University; Daniel Seidenglanz, Masaryk University, *Where are you? Exploring Passengers' Perceptions Of The Airport As A Place Of Arrival.*
 11:00 Bethan Evans*, University of Liverpool; Stacy Bias, University of Liverpool; Rachel Colls, Durham University, *Fat Mobilities: Flying while Fat.*
 Discussant(s): Weiqiang Lin, National University of Singapore
- 1248. Grounding China's Global Integration 2**
Room: *Union Square 21, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Jia-Ching Chen, Pennsylvania State University; Julie Michelle Klinger, Boston University; Derrick Hindery, University of Oregon (International Studies and Geography)
 CHAIR(S): Joshua S.S. Muldavin, Sarah Lawrence College
 Discussant(s): Joshua S.S. Muldavin, Sarah Lawrence College
 Panelists: Julie Michelle Klinger, Boston University; Michael B. Dwyer, University of Berne, Switzerland
 Geographisches Institut; Kevin Woods; Jia-Ching Chen, Pennsylvania State University
- 1249. The political temporalities of energy infrastructures**
Room: *Union Square 22, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Kai A. Bosworth, University of Minnesota - Minneapolis; Lalit Batra, University of Minnesota; Sinan Erensu, University of Minnesota - Minneapolis
 CHAIR(S): Kai A. Bosworth, University of Minnesota - Minneapolis
 10:00 Lalit Batra, Doctoral Candidate*, University of Minnesota, *Caste-subalterns and Energy Infrastructure: Antinomies of India's 'Poop to Power' Plants.*
 10:20 Sinan Erensu*, University of Minnesota - Minneapolis, *"We Can't Cancel Projects, But We Postpone Them!"*
Temporal Politics of Infrastructural Disputes.
 10:40 Zeynep Oguz*, The Graduate Center, CUNY, *Subterranean Futures: Geology, Materiality, and Temporality in Hydrocarbon Exploration in Turkey.*
 Introducer: Kai A. Bosworth
 Discussant(s): Mazen Labban
- 1250. Critique, praxis, and power in urban social-ecological systems**
Room: *Union Square 25, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Nathaniel Gabriel, Rutgers University; Lindsay K. Campbell, USDA Forest Service, Northern Research Station
 CHAIR(S): Nathaniel Gabriel, Rutgers University
 Introducer: Gwendolin McCreia
 Introducer: Lindsay K. Campbell
 Panelists: Alec Foster, temple university; Jessica T. Miller, Temple University; Adrina C. Bardekjian; Luke Drake, California State University, Northridge; Bryce DuBois
- 1251. Multiscalar analysis of population**
Room: *Mason A, Hilton Hotel, 6th Floor (Paper Session)*
 ORGANIZER(S): Christopher S. Fowler, Pennsylvania State University; Bo Malmberg, Stockholms Universitet; Eva K. Andersson, Stockholm University
 CHAIR(S): Christopher S. Fowler, Pennsylvania State University
 10:00 David Manley, Dr*, University of Bristol; Kelvyn Jones, Professor, University of Bristol; Ron Johnston, Professor, University of Bristol, *Multi-level Modelling of Multi-Scalar Ethnic Residential Segregation.*
 10:20 Eva K. Andersson*, Stockholm University; Michael Nielsen, Human Geography Dept., Stockholm University; Karen Haandrikman, Human Geography Dept., Stockholm University; Bo Malmberg, Human Geography Dept., Stockholm University, *Changing patterns of residential segregation in the migrant population of Sweden 1990-2012.*
 10:40 Christopher S. Fowler*, Pennsylvania State University, *Why we need multiscale measures to understand neighborhoods and neighborhood effects..*
 11:00 Rafael Costa*, Vrije Universiteit Brussel; Helga A. G. de Valk, Netherlands Interdisciplinary Demographic Institute / University of Groningen / Vrije Universiteit Brussel, *Ethnic and Socioeconomic Segregation in Belgium. A Multi-Scalar Approach Using Individualised Neighbourhoods.*
 Discussant(s): Bo Malmberg, Stockholms Universitet
- 1252. Cultural Forgetting and Recovery: Using Historical GIS to Restore the Material Past (Sponsored by Historical Geography Specialty Group)**
Room: *Mason B, Hilton Hotel, 6th Floor (Paper Session)*
 ORGANIZER(S): Ellen Prokop, The Frick Collection; Joanna Gardner-Huggett, DePaul University
 CHAIR(S): Anne Kelly Knowles, Middlebury College
 10:00 Benjamin Zweig, Ph.D*, National Gallery of Art, *The Medieval Challenge: Ambiguous Data, Historical GIS, and Deep History.*
 10:17 Mariah Proctor-Tiffany, PhD*, California State University, Long Beach; Tracy Chapman Hamilton, PhD, University of Richmond, *Digital Mapping to Undo Cultural Forgetting: Royal Women and Object Movement in Medieval France.*
 10:34 Carrie Anderson*, Middlebury College, *Mapping the Gift: Recovering Indigenous Agency in Dutch Brazil.*
 10:51 George Philip LeBourdais, Ph.D. Candidate ABD*, Stanford University, *Alaska, Remapped: Human Geography in the Photographs, Maps and Totem Poles of the 1899 Harriman Expedition.*
 11:08 Susan Elizabeth Gagliardi*, Emory University, *Mapping Senufo: A Look Back at People, Places, and Dates in Archives of Art.*
 Discussant(s): Ian N. Gregory, Lancaster University

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- 1254. Changing Landscapes in China's Border Regions-2**
Room: *Powell Room B, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Xiaobo Su, University of Oregon; You-tien Hsing, University Of California at Berkeley; Galen Murton, University of Colorado, Boulder
 CHAIR(S): Galen Murton, University of Colorado, Boulder
 10:00 Xiaobo Su*, University of Oregon, *Repositioning Yunnan: Security and China's Geoeconomic Engagement with Myanmar.*
 10:20 Shangyi Zhou*, Beijing Normal University; Yinhe Li, *The Identity of the Korean Chinese living out of China.*
 10:40 Ling-I Chu*, National Taiwan University; Kai-Yang Huang, National Taiwan University - Taipei, *Building a Gateway to the Frontier of Globalizing China: the Mediated Practices of Brder Control in Matsu.*
 11:00 Chun-Kai Woo*, Department of Geography, National Taiwan University, *Dilemma between Integration and Separation: Cross-boundary Economic Development, Othering and the Reproduction of Meaning of Boundary under "One Country, Two Systems".*
 Discussant(s): You-tien Hsing, University Of California at Berkeley
- 1255. The Myth of Smart Urbanism: Songdo City and Beyond (2/2) (Sponsored by Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Sutter Room A, Hilton Hotel, 6th Floor* (Panel Session)
 ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science; Jinn-yuh Hsu, National Taiwan University
 CHAIR(S): Jinn-yuh Hsu, National Taiwan University
 Panelists: Andrew Merrill, University of Toronto; Yekang Ko, University of Texas - Arlington; Jane YeonJae Lee, Northeastern University; Pushpa Arabindoo, University College London; Sofia Shwayri
- 1259. Asia Symposium: Vulnerability, Security, and Environmental Risk (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group)**
Room: *Lombard Room, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Michael R. Glass, University of Pittsburgh
 CHAIR(S): Sandra Moog, University of Essex
 10:00 Ravindra Gahininath Jaybhaye, Professor*, Department of Geography, Savitribai Phule Pune University, Pune, *Environmental Challenges in South Asia.*
 10:20 Bryan Boruff, PhD*, University of Western Australia; Eleanor Bruce, PhD, University of Sydney; Andreas Neef, PhD, University of Auckland; Eloise M Biggs, PhD, University of Southampton; Julia Horsley, University of Western Australia; Floris van Ogtrop, PhD, University of Sydney; Kellie McNeill, PhD, University of Auckland; Natasha Pauli, PhD, University of Western Australia; Heather Price, University of Stirling, *Application of the 'Environmental Livelihood Security' Framework: Three case studies in vulnerable regions of Australia, Cambodia and Fiji.*
 10:40 Camelia Dewan*, University of London (Birkbeck, Geography; SOAS, Social Anthropology), *Climate change as development discourse: increasing vulnerability to risks in Bangladesh?.*
 11:00 Sandra Moog*, University of Essex, *Turning the Tides in Ban Khun Samut Chin: Disaster Economics in a Thai Village Facing Severe Coastal Erosion.*
 Discussant(s): Kimberley Thomas, University of Pennsylvania
- 1260. Advising the Next Generation of Geography Undergraduates (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group, Community College Affinity Group)**
Room: *VanNess Room, Hilton Hotel, 6th Floor* (Panel Session)
 ORGANIZER(S): James Baginski, University of Washington
- CHAIR(S): James Baginski, University of Washington
 Panelists: Gary R. Schnakenberg, Michigan State University; Ellen R. Hansen, Emporia State University; Justin Stoler, University of Miami; Jennifer O'Brien, University of Manchester; Patrick May, Plymouth State University; Emily Fekete, Oklahoma State University; Blake Lyle Mayberry, Red Rocks Community College
- 1262. Transnationalizing Migration Management II**
Room: *Mendocino I, Hotel Nikko, 2nd Floor* (Paper Session)
 ORGANIZER(S): Malene H. Jacobsen
 CHAIR(S): Malene H. Jacobsen
 10:00 Asli Ikizoglu*, University of Minnesota - Minneapolis, *Managing Asylum Under Multiple Transnationalisms.*
 10:20 Malene H. Jacobsen*, University of Kentucky, *Transnational Topographies: Re-thinking the Spatiality of Migration Management.*
 10:40 Patricia Ehrkamp*, University of Kentucky; Jenna M Loyd, University of Wisconsin-Milwaukee; Anna J Secor, University of Kentucky, *Towards a geopolitics of trauma: The admission and resettlement of Iraqi refugees in the U.S..*
 11:00 Leslie Gross Wyrzten*, Clark University, *Transnational Migration and Environmental Governance at the Moroccan-Spanish Border.*
 Discussant(s): Kirsi Pauliina Kallio, University Of Tampere
- 1263. Institutional Investment and Infrastructure Financing (Sponsored by Economic Geography Specialty Group)**
Room: *Mendocino II, Hotel Nikko, 2nd Floor* (Paper Session)
 ORGANIZER(S): Peter O'Brien; Yin Yang, University of Oxford
 CHAIR(S): Andy Pike, Newcastle University
 10:00 Gordon L. Clark*, Smith School of Enterprise and the Environment, *Bridging distance: the nature and functions of contract.*
 10:20 Rajiv Sharma*, Global Projects Center, Stanford University; Ashby Monk, Global Projects Center, *Organic Finance for Infrastructure Investing.*
 10:40 Phillip O'Neill*, University of Western Sydney, *The Role of Organizational Structure in Private Infrastructure Investment.*
 11:00 Graham S Thrower, Doctoral Researcher*, Newcastle University, *The marketisation of infrastructure: The enmeshment of the qualitative state and variegated capital.*
- 1264. Global Displacements: The Making of Uneven Development in the Caribbean**
Room: *Nikko Ballroom I, Hotel Nikko, 3rd Floor* (Panel Session)
 ORGANIZER(S): Matthew Sparke, University of Washington
 CHAIR(S): Matthew Sparke, University of Washington
 Introducer: Melissa W. Wright
 Discussant(s): Marion Werner, University at Buffalo, SUNY
 Panelists: Kate Derickson, University of Minnesota; Beverley Mullings, Queen's University; Matthew Sparke, University of Washington; Christian Berndt, University of Zurich
- 1265. Violence and social/spatial justice in city and regional planning**
Room: *Nikko Ballroom II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Valérie Lavaud-Letilleul, University of Montpellier 3; Isabelle Berry-Chikhaoui; David Louis Giband, UPVD
 CHAIR(S): David Louis Giband, UPVD
 10:00 Valérie Lavaud-Letilleul*, University of Montpellier 3; Isabelle Berry-Chikhaoui*, University of Montpellier 3, *Seeing regional planning through inhabitants' eyes. The case study of Marseille-Fos Maritime Industrial Development Area (France).*
 10:20 David Louis Giband*, UPVD, *« Planning against cultural minorities. The « blind » experience of urban renewal*

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in Perpignan, France..

10:40 Max Rousseau*, CIRAD, « *An Ideal Turned Into an Ordeal* ». *A Political-Economic Analysis of the Creation of a New Town in the Fringes of Rabat, Morocco.*

11:00 Kevin MARY*, University of Perpignan Via Domitia, *The making of a city for the elites. Socio-spatial fragmentation around the issue of land and property in Bamako, Mali..*

11:20 Aurelie Delage*, University of Perpignan - UMR 5281 Art-Dev (France), *A Most Violent Place: Communities' Fight for Social, Spatial and Environmental Justice in the Bronx (1960-2015).*

1266. **Data in action: Tracing the open data experiment**

Room: *Nikko Ballroom III, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Jonathan Cinnamon, University of Exeter; Britta Ricker, University of Washington

CHAIR(S): Jonathan Cinnamon, University of Exeter

10:00 Peter A Johnson, PhD*, University of Waterloo, *Reflecting on the Success of Open Data: How Municipal Governments Evaluate Open Data Programs.*

10:20 Timothy B. Norris*, University of Miami; Todd Suomela, University of Alberta, *Information in the Ecosystem: exploring open data and its socio-environmental outcomes.*

10:40 Joseph Holler*, Middlebury College, *Prying open geocoded data on international aid and climate adaptation financing.*

11:00 Suthes Sangiambut*, McGill University - Montreal, QC; Renee Sieber, Dr, McGill University - Montreal, QC, *Are Citizen-Government Relations Improved by Open Data?.*

11:20 Jon Corbett*, University of British Columbia-Okanagan; Logan Cochrane, University of British Columbia Okanagan; Mark Gill, University of British Columbia Okanagan, *Mind the Gap: an empirical look at the relationship between open data and social justice.*

1267. **Material Lives: Resisting Infrastructures and Infrastructures of Resistance (I) (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: *Monterrey I, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Omar Jabary Salamanca, Middle East and North Africa Research Group

CHAIR(S): Maryam Griffin, UC Davis

10:00 Emily R. Cummins*, *Inhabiting Infrastructure.*

10:20 James Christopher Mizes*, University of California, Berkeley Department of City & Regional Planning, *"Les rues sont propres": The congested publics of Dakar's urban street markets.*

10:40 Fabian Prieto -Nanez*, University of Illinois at Urbana-Champaign, *Obsolescences of the public. Telephone infrastructures and mobile citizenship in Bogota, Colombia (1995-2010).*

11:00 Maryam S. Griffin, J.D., Ph.D.*, UC Davis, *Communal Knowledge Networks and Palestinian Public Transportation in the West Bank.*

Discussant(s): Maysoun Sukarieh

1268. **II. Negotiating the 'creative city': Negotiating the 'creative city': A new cultural governance for the 'creative city'?**

Room: *Monterrey II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Friederike Landau, Center for Metropolitan Studies, TU Berlin; Janet Merkel, City University London Department of Music, Culture and Creative Industries

CHAIR(S): Friederike Landau, Center for Metropolitan Studies, TU Berlin

Introducer: Janet Merkel

10:10 Andy C Pratt, Prof*, Centre for Culture and the creative industries, City University London, *Curating policy:*

Urban Cultural Policy in the time of austerity , and post-Welfare state.

10:28 Jenny F. Mbaye*, Centre for Culture and the Creative Industries, *In and Out the creative polis: Southern reflections on urban governance and cultural informality.*

10:46 Cecilia Dinardi, PhD*, City University London, *In search for the social foundations of the creative city: popular creativity, political resistance and public culture in Buenos Aires and Rio de Janeiro.*

11:04 Robert Hassink*, Dept. of Geography, University of Kiel; Yong-Sook Lee, Korea University, *Exploring International film festivals from a multi-scalar institutional perspective: The cases of Berlin and Busan compared.*

1269. **Development, Historical Geography, and Conflict in the Middle East**

Room: *Carmel I, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jon D. Unruh, McGill University

10:00 Jon D. Unruh*, McGill University, *Attending to mass claims in land and property: The case of Syria.*

10:20 Mohamed A. Mishkes*, King Abdulaziz University, *Strategy and main context of development process in Saudi Arabia.*

10:40 Khalid H. Abaalzamat, Dr.*, Qatar University; Ibrahim Faour Al-Shraah Faour Al-Shraah , Prof., University of Jordan, *Khawr al-Udayd: Historical Significance and Conflict.*

11:00 Abdullah Abdulrhman Almisnid, Almisnid*, Qassim University; Almisnid Almisnid, Qassim University; Fadl Ayoubi, Qassim University, *Almahajja Mount.*

11:20 Margaret O'Neal*, Grand Canyon University, *Using Gaming to Understand and Develop Leadership in the Real World.*

1270. **Carceral Geography II: Carceral Spaces**

Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Jennifer Turner, University of Leicester;

Dominique Moran, University of Birmingham

CHAIR(S): Jennifer Turner, University of Leicester

10:00 Anaïs Tschanz*, Université de Montréal, *Tactics of privacy in Canadian carceral spaces.*

10:20 Marina Richter*, University of Fribourg, Switzerland, *Dying in prison: Challenges of end-of-life under confinement.*

10:40 Eleanor Slee*, University of Birmingham, *"Who's in that tower? And are they looking into my house?" Panopticism and prisons' architectural symbology..*

11:00 Marie Hutton*, University of Birmingham, *Prison visits: Breaking the bonds.*

Discussant(s): Dominique Moran, University of Birmingham

1273. **Making the Leap: Quantum Theory and New Geographies of Global Change**

Room: *Peninsula Room, Hotel Nikko, 25th Floor* (Panel Session)

ORGANIZER(S): Kathryn Ryan, Rutgers University; Ana Mahecha

CHAIR(S): Robin M. Leichenko, Rutgers University

Discussant(s): Robin M. Leichenko, Rutgers University

Panelists: Kathryn Ryan, Rutgers University; William A. Peterman, Chicago State University; Ann El Khoury, Macquarie University; Ana Mahecha; Karen O'Brien, University of Oslo

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- 1274. Practicing engaged pluralism when ‘doing global urban research’ II**
Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Bassens, Free University of Brussels; Ben Derudder, Ghent University; Michiel Van Meeteren, Ghent University
 CHAIR(S): Ben Derudder, Ghent University
 Introducer: Ben Derudder
10:20 M Buckley*, University of Toronto - Scarborough - Scarborough, Ontario, *In, against and beyond Lefebvre: epistemological plurality and feminist urban theory.*
10:40 Ulrike Gerhard*, Heidelberg University, *Mega City, Global City, Creative City - Remnants of Urban Research before the Global Urban Age?*
11:00 Kirsten Martinus, Dr*, The University of Western Australia, *Using iteratively constructed single networks as a ‘trading zone’ for pluralism in the enquiry continuums of city and industry relations.*
 Discussant(s): Jan Nijman, Dept of GPIO, University of Amsterdam
- 1275. Cultural and Political Geography of Water**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Joyce Valdovinos, Université Sorbonne Nouvelle Paris 3 IHEAL-CREDA
10:00 Peter Taylor*, University of Massachusetts, *Political ecology and the changing nature of social theory.*
10:20 Irene Perez LLorente*, CIGA-UNAM; María Isabel Ramírez Ramírez, CIGA-UNAM; Jaime Paneque-Gálvez, CIGA-UNAM; Claudio Garibay Orozco, CIGA-UNAM, *Understanding The Links Between Resource Conflicts And Resource Degradation In Central Mexico.*
10:40 Robinson Torres-Salinas*, Arizona State University; Bob Bolin, Arizona State University, *Neoliberalization of water, hydrosocial metabolic rifts, and the politics of scale in Chile.*
11:00 TATIANA ACEVEDO*, Université De Montreal, *Bureaucrats without state: water, electricity, and inconsistencies in Barranquilla.*
11:20 Joyce Valdovinos, Ph.D.*, Université Sorbonne Nouvelle Paris 3, IHEAL-CREDA, *The Transnational Space for Water: A Conceptual Framework for Understanding the Globalization of Water Governance.*
- 1276. The AGS-KU Bowman Expedition to Central America: Participatory Research Mapping of New Indigenous Homelands**
Room: Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Peter H. Herlihy, University of Kansas
 CHAIR(S): Jerome E. Dobson, University of Kansas
10:00 Jerome E. Dobson*, American Geographical Society; Peter H. Herlihy, Professor, University of Kansas; Taylor A. Tappan, University of Kansas; John H. Kelly, Assistant Professor, University of Wisconsin at La Crosse; Matthew L. Fahrenbruch, University of Kansas, *Twenty-three Years of Participatory Research Mapping in Honduran Moskitia: Katinasta Communities Map a New Type of Indigenous Territorial Jurisdiction.*
10:20 Matthew L Fahrenbruch, MS*, University of Kansas; Peter H Herlihy, PhD, University of Kansas; Taylor A Tappan, MS, University of Kansas; Aida Ramos, PhD, University of Kansas; John H Kelly, PhD, University of Wisconsin La Crosse; Jerome E Dobson, PhD, University of Kansas & American Geographical Society, *Participatory Research Mapping in the Concejos Territoriales of the Honduran Moskitia: Observations on Changing Resource Use Patterns.*
10:40 Aida Ramos, PhD*, University of Kansas, *Participatory Research Mapping (PRM) in Sacatepequez, Guatemala.*
11:00 Taylor A Tappan*, University of Kansas; Peter H Herlihy, University of Kansas; Aida Ramos Viera, University of Kansas; Matthew L Fahrenbruch, University of Kansas; Jerome E Dobson, American Geographical Society, *Developing Baseline Geographic Information through Participatory Research Mapping in Alto Chirripó Indigenous Reserve, Costa Rica.*
 Discussant(s): Marie D. Price, George Washington University
- 1277. Race and the Agrarian Question II (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Athens North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Emma Gaalaas Mullaney, Bucknell University; Levi Van Sant, University of Georgia
 CHAIR(S): Levi Van Sant, University of Georgia
10:00 Kirsten Valentine Cadieux*, Hamline University; Alex Liebman, University of Minnesota; Matt Gunther, University of Minnesota; Monica Saralampi, University of Minnesota, *Re-valuing yield: negotiating race, values, and the agrarian question in urban agriculture.*
10:20 Rebecca Peters*, University of California - Berkeley; Rebecca Peters, King’s College London, *Some are More Equal than Others: Water Allocation Reform in Mpumalanga, South Africa.*
10:40 Libby O. Christensen*, UC Davis Geography Graduate Group, *Buried History: Uncovering the role of Japanese farmers in establishing the national vegetable industry.*
11:00 David Meek*, University of Alabama, *Resisting Urban White Modernity: School Closings and the Struggle for Land and Agrarian Knowledge in Brazil.*
 Discussant(s): Julie Guthman, Univ of California Santa Cruz
- 1278. Enhancing urban eco-efficiency and ecosystem services towards sustainable urban development II**
Room: Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Xiangzheng Deng, Institute of Geographic Sciences and Natural Resources Research, CAS
 CHAIR(S): Zhihui Li, Institute of Geographic Sciences and Natural Resources Research, CAS
10:00 Lanjiao Wen, College of Land Management, Huazhong Agricultural University; Anlu Zhang*, College of Land Management, Huazhong Agricultural University, *The land value increment chain and income distribution in different models of collective constructional land market---based on the questionnaire investigation of Shanghai.*
10:14 Feng Li*, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *Impacts of Urban Land-Use on Ecosystem Services and Policy Implications.*
10:28 Ji Chai*, China University of Geosciences; Zhanqi Wang, professor, *The Spatial-Temporal Changes of Grain Production and Cultivated Land in Hubei Province of China.*
10:42 Yu Li*, China University of Geosciences, *Analysis on the time and space difference of the construction land use performance and economic development in Wuhan.*
10:56 Lanjiao Wen*, Huazhong Agricultural University, *The secret of building a Unified Rural-Urban Construction Land Market---a Spatial-temporal Analysis of Nanhai, Pearl River Delta, China.*
11:10 Bing Wang, Beijing Normal University; Linyu Xu, Beijing Normal University; Lei Chen, PhD*, Beijing Normal University, *Evaluation of ecosystem services based on the LUCC: case study in Danjiangkou water source area, China.*

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11:24 Zhihui Li*, Institute of Geographic Sciences and Natural Resources Research, CAS, *Valuing tradeoffs between agricultural production and hydrological ecosystem services in the middle reach of Heihe River Basin.*

1279. European Migration Crisis I (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Kara Dempsey, Appalachian State University
 CHAIR(S): Kara Dempsey, Appalachian State University
 Introducer: Kara Dempsey

10:20 Annika Mattissek*, University of Freiburg; Paul Reuber, University of Muenster, *Germany's "welcome policy" in the European Migration Crisis: Controversies and (geo-)political representations.*

10:40 Sara McDowell, Dr*, University of Ulster, *Social Media, Political Mobilisation and the Migrant Issue: How Twitter Is Shaping European Border Politics.*

11:00 Elaine Burroughs, PhD*, National University Of Ireland Maynooth, *Deconstructing the European Migration "Crisis".*

11:20 Gabriel Popescu*, Indiana University South Bend, *Coding and Decoding European Borders: the Fence and the Digital Phone.*

1280. Dilemmas II: Limitations of the Queer City and Challenging the Urban (Sponsored by Cultural Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Julia De Montigny, Dawson College; Rae Rosenberg
 CHAIR(S): Rae Rosenberg

10:00 Alison L. Bain*, York University, *Queerly suburban.*

10:20 LaToya Eaves*, Middle Tennessee State University, *Liberation: A Tale of Two Sessions of the Supreme Court of the United States.*

10:40 Julie A. Podmore*, John Abbott College; Julia De Montigny*, Dawson College, *Beyond Le Village Gai: Queer Generationality in Montréal's Mile End.*

11:00 Katherine Ross*, Independent, *Working the Dark Streets: Using Quare Theory to Illuminate Intersections of Trans* WOC Sex Workers.*

11:20 L. Boyd Bellinger*, University of Illinois At Chicago, *Discourses of the gayborhood: Criminalizing queer youth in "queer" space.*

1281. The post-post-Soviet space? Interrogating the region in the quarter century since communism's end (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Edward C. Holland, Miami University; Matthew Allen Derrick, Department of Geography
 CHAIR(S): Edward C. Holland, Miami University
 Discussant(s): Alexander C. Diener, University of Kansas
 Panelists: Edward C. Holland, Miami University; Megan Dixon, College of Idaho; Gerard Toal, Virginia Tech; Natalie R. Koch, Syracuse University

1282. Theorizing Energy Transition in the Global South (Sponsored by Energy and Environment Specialty Group)

Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Jeff Popke, East Carolina University; Conor Harrison, University of North Carolina
 CHAIR(S): Jeff Popke, East Carolina University

10:00 Zora Kovacic, PhD*, Universitat Autònoma de Barcelona; Suzanne Smit, School of Public Leadership and Centre for Renewable and Sustainable Energy Studies, Stellenbosch University; Josephine Kaviti Musango, PhD, School of Public Leadership and Centre for Renewable and Sustainable Energy Studies,

Stellenbosch University; Alan Colin Brent, PhD, Department of Industrial Engineering and Centre for Renewable and Sustainable Energy Studies, Stellenbosch University; Mario Giampietro, PhD, Institució Catalana de Recerca i Estudis Avançats, *Exploring energy demand in informal urban settlements: A case from South Africa.*

10:20 Carla A. Coronado, PhD Candidate in Planning and Public Policy*, E.J. Bloustein School of Planning and Public Policy, Rutgers University; Clinton J. Andrews, Professor of Urban Planning and Policy Development, E.J. Bloustein School of Planning and Public Policy, Rutgers University, *The Chilean Energy Transition.*

10:40 Laurence Delina*, Frederick S. Pardee Center for the Study of the Longer-Range Future at Boston University, *Producing energy futures in the global south: tools and capacities in a structured decision-making framework for energy transition.*

11:00 Cheryl McEwan*, University Of Durham, *The private sector and renewable energy in South Africa: examining the spatial politics of the zone.*

11:20 Conor Harrison*, University of North Carolina, *Engaging critical geographies of energy in the Caribbean.*

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1309. AAG's Honorary Geographer: Judith Butler – Plenary Session
Tuesday, March 29, 11:50 a.m. - 1:00 p.m.

Room: Plaza A, Hilton Hotel, Lobby Level

Chair: Mona Domosh, AAG Past President, Dartmouth College

Introduction: Mona Domosh, AAG Past President,
Dartmouth College

Speaker: Judith Butler, University of California, Berkeley

Judith Butler, the AAG's 2016 Honorary Geographer, will present a plenary session, "Demography in the Ethics of Non-Violence." AAG Past President Mona Domosh will confer the award upon her during the session.

Butler's plenary will focus on her abstract: A principled approach to non-violence often admits to exceptions where violence is conceded as legitimate. To what extent does the exception to nonviolence in the name of self-defense or for close kin implicitly

make a distinction between lives worth saving and dispensable lives? A practice of non-violence has to take into account the demographic distribution of grievability that establishes which lives are worthy of safeguarding and which are less worthy or not worthy at all. Otherwise, both biopolitics and the logic of war can permeate calculations about when and where non-violence can be invoked. Does the demographic challenge revise our approach to non-violence? If so, how?

Butler has advocated lesbian and gay rights movements and has been outspoken on many modern political matters. Two of her influential books, *Gender Trouble: Feminism and the Subversion of Identity* and *Bodies That Matter: On the Discursive Limits of Sex*, challenge notions of gender and develop her theory of gender performativity, which is now a prominent position in feminist and queer scholarship. Butler studied philosophy at Yale University where she received her B.A. and her Ph.D.

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1401. Trees in the City 3: Residential to watershed scale urban forest management (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)

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

Tenley Conway, University of Toronto- Mississauga

CHAIR(S): Tenley Conway, University of Toronto- Mississauga

12:40 Andrew D. Almas*, University of Toronto; Tenley Conway, PhD, University of Toronto Mississauga, *Return of the Native?: A Case Study of Residents' Knowledge of Native Tree Species and Urban Forest Management in Four Southern Ontario Municipalities.*

1:00 James J.T. Connolly*, Northeastern University, *Digging Together: Planting Trees and the Roots of Democracy.*

1:20 Rinku Roy Chowdhury*, Clark University; Dexter H Locke, Clark University; J O?Neil-Dunne, University of Vermont; J M Grove, USDA Forest Service; P Groffman, Cary Institute of Ecosystem Studies; N Bettez, Cary Institute of Ecosystem Studies; D Bolger, Indiana University; J Cavender-Bares, University of Minnesota; S Hall, Arizona State University; J Heffernan, Duke University; S Hobbie, University of Minnesota; K Larson, Arizona State University; J Morse, Portland State University; C Neill, Marine Biological Lab Woods Hole; K Nelson, University of Minnesota; L Ogden, Dartmouth College; D Pataki, University of Utah; C Polsky, Florida Atlantic University; S Roy, Indiana University; M Steele, Virginia Tech Institute and State University, *The Homogenization of Residential Landscapes: A Comparative Analysis of Land Cover and Landscape Structure across Diverse Cities of the Continental USA.*

1:40 Dexter Locke*, Clark University; Rinku Roy Chowdhury; J Morgan Grove; Jarlath J.P.M O?Neil-Dunne; Peter Groffman; Meghan Avolio; Kelli Larson; Deborah Martin; Kristen Nelson; Laura Ogden; Diane Pataki; Colin Polsky; John Rogan, *Landscape Mullets in the Urban Forest: Understanding short and orderly vegetation in front yards, and long messy vegetation in backyards across the American Macrosystem.*

1402. ?Approaches to Teaching Sustainability: Towards Increased Understanding of the Economic and Social Pillars

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): William Price, Central Connecticut State University

CHAIR(S): William Price, Central Connecticut State University

Panelists: Lorne Platt, Cal Poly Pomona; Joshua Long, Southwestern University; Charles E. Button, Central Connecticut State University; William Price, Central Connecticut State University

1403. Critical physical geography in practice 1: Constructing ecologies, defining landscapes

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Rebecca Lave, Indiana University

CHAIR(S): Rebecca Lave, Indiana University

12:40 Diana K. Davis, Dr.*, University of California - Davis, *Between Sand and Sea: Constructing Mediterranean Ecology.*

1:00 Nathan F. Sayre*, University of California, Berkeley, *How range science became Clementsian.*

1:20 David Robertson*, State University of New York at Geneseo; Chris Larsen, University at Buffalo; Stephen Tulowiecki, State University of New York at Geneseo, *Integrations of biophysical and human data in studies on vegetated land use legacies.*

1:40 Solen Le Clec'h*, LETG Rennes Costel - Université Rennes 2, France; Xavier Arnauld de Sartre, CNRS UMR SET ? Université de Pau et des pays de l'Adour, France; Monica Castro, Institut de géographie et durabilité ? Université de Lausanne, Switzerland; Simon Dufour, LETG Rennes COSTEL - Université Rennes 2, France; Michel Grimaldi, IRD UMR BIOEMCO, France; Johan Oszwald, LETG Rennes COSTEL - Université Rennes 2, France, *Combining physical geography and critical cartography approaches to assess ecosystem services indicators in a Brazilian pioneer front context.*

2:00 Javier A Arce-Nazario, Ph.D.*, UPR Cayey, *Public understanding of landscapes in a science-art exhibit.*

1404. Waste Studies II: Transitions and Circulations

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Virginia Maclaren, University Of Toronto; Isabel Urrutia, University of Toronto; Scott Loughheed, Queen's University

CHAIR(S): Virginia Maclaren, University Of Toronto

12:40 Carlo Inverardi Ferri*, University of Oxford; Xin Tong, Peking University, *Variegated recycling: circuits of waste and value in Beijing.*

1:00 Angeliki Balayannis*, University of Melbourne, *Un-becoming waste: ethics and the materialities of pesticide.*

1:20 Jamie Baxter*, University Of Western Ontario; Yvonne

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Ho, Pollution Probe; Virginia Maclaren, University of Toronto; Yvonne Rollins, Western University, *Residents views of waste-to-energy facilities and waste diversion in Ontario, Canada.*

1:40 Iva Miranda Pires*, FCSH-UNL, “*Ugly Fruit Movement*”: *an eye-catching idea to fight food waste.*

2:00 Virginia Maclaren*, University Of Toronto; Mai Nguyen, University Of Toronto, *From Disposal to Diversion to Zero: Sustainability Transitions for Waste Management in Ontario, Canada.*

1405. Economic Geography III - Evolutionary Pathways: Make or Break (Sponsored by Economic Geography Specialty Group)

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University College

Dublin; Jennifer Clark, Georgia Institute of Technology

CHAIR(S): Jennifer Clark, Georgia Institute of Technology

12:40 Mathieu Steijn*, Universiteit Utrecht; Pierre-Alexandre Balland, Universiteit Utrecht; Sergio Petralia, Universiteit Utrecht; David Rigby, UCLA, *Technological diversification of cities in times of crisis.*

1:00 Johan Mörner*, CIRCLE, Lund University; Roman Martin, CIRCLE, Lund University; Michaela Trippel, CIRCLE, Lund University, *Paving the way for new regional industrial growth paths: public or private agency? The case of the digital games industry in Southern Sweden.*

1:20 Lars Mewes*, Leibniz University Hannover; Tom Broekel, Leibniz University Hannover, *The technological diversification of regions and the impact of R&D policy.*

1:40 Bjorn T. Asheim*, University of Stavanger, Norway; Michaela Trippel, CIRCLE, Lund University, Sweden, *Can cluster location in city regions promote new path development? On the potential synergies between localization and urbanization economies.*

Discussant(s): David L. Rigby, UCLA

1406. Energy in the SDGs 1: Understanding Sustainable Energy Solutions in the Global South

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Ed Brown, Loughborough University; Sarah L. Jewitt, University Of Nottingham

CHAIR(S): Ed Brown, Loughborough University

12:40 Iwona Bisaga, PhD Student*, University College London; Priti Parikh, Dr., University College London; Christopher Baker-Brian, CTO, BBOX, *Scaling up the solar energy revolution in Africa through improved remote monitoring and customer satisfaction of decentralised SMART Solar Home Systems..*

1:00 Simon Batchelor*, Gamos Ltd, *Low Cost Modern Energy Technologies for Africa.*

1:20 Peter James Matthew Thomas*, *Exploring the impacts of providing solar lanterns to displaced people.*

1:40 Jonathan Nicholas Balls*, University of Oxford, *‘Doing good’ and ‘doing great’: Competing formal and informal markets for off-grid solar power in Uttar Pradesh, India.*

1407. Critical Artsapes, Resilient Artists: Worlding the Discussion on Art and Space (I) (Sponsored by Cultural Geography Specialty Group)

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Jason Luger, King’s College London Cities Group; Julie Ren, City University of Hong Kong; Nathan Bullock, AAHVS

CHAIR(S): Jason Luger, King’s College London Cities Group

12:40 Friederike Landau, M.A.*, Center for Metropolitan Studies, TU Berlin, *Practicing Cultural Governance: Agonistic Articulations (with)in the Administration.*

1:00 Danijel Cubelic*, Heidelberg University, *Activists or Ambassadors? Saudi-Arabia’s emerging art scene between national and global expectations.*

1:20 Silvie Jacobi*, King’s College London, *Alternative art schools in London: Urban regeneration as site for pedagogic autonomy.*

1:40 Thierry Maeder*, University of Geneva; Luca Pattaroni, Swiss Federal Institute of Technology in Lausanne; Mischa Piraud, Swiss Federal Institute of Technology in Lausanne, *New genre public commission? The subversive dimension of public art in the context of post-fordist capitalism.*

2:00 Pei-Yi Lu*, National Taipei University of Education.; Phoebe Wong*, Independent researcher, *Art/ Social Movement as a Pubic Platform?.*

1408. Advances in Lidar Analysis for Surface Mapping (Sponsored by Remote Sensing Specialty Group)

Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University Of Denver

CHAIR(S): XIAO LI, University of Texas - Dallas

12:40 Xukai Zhang*, Louisiana State University; Xuelian Meng, Louisiana State University, *Integrating GPS and Terrestrial Laser Scanning for Topographic mapping of vegetated ground.*

1:00 Michael Schwind*, Texas A&M University-Corpus Christi; Michael J Starek, Texas A&M University-Corpus Christi; Heezin Lee, University of California at Berkeley; Bruce Blundell, U.S. Army ERDC Geospatial Research Laboratory, *Development of Optimized Bare-Earth Surface Models for Mobility Operations in Forested, Mountainous Terrain.*

1:20 JiaXin Jiang*, SUNY - Binghamton, *An Improved Method for Mapping Potential Vernal Pools Using High-Resolution LiDAR Data and Aerial Imagery.*

1:40 Haiqing Xu*, University of South Carolina, *Influence of Scale and Ancillary Data on Mapping Depressional Geographically Isolated Wetlands (GIW).*

2:00 XIAO LI*, University of Texas - Dallas; FANG QIU, University of Texas - Dallas, *Signal Based Building Footprint Regularization from Airborne LiDAR data.*

1409. AAG’s Honorary Geographer: Judith Butler

Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)

This session is a continuation of the previous timeslot, 1309.

1410. Evolving suburbs, renaissance centers I

Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Guillaume Poirer, Sorbonne University;

Yoshimichi Yui, Hiroshima University

CHAIR(S): Guillaume Poirer, Sorbonne University

12:40 Tomoko KUBO*, Gifu University; Michihiro Mashita, University of Tsukuba, *An increase in housing vacancies in Japanese cities: Comparison of Tokyo suburbs and old settlements.*

1:00 Yoshimichi Yui*, Hiroshima University, *New trend of suburban studies in Japan : shrinking suburbs and revitalization.*

1:20 Yoshiki Wakabayashi*, Tokyo Metropolitan University; Ryo Koizumi, Kanagawa University, *Regional variation in the issue of vacant houses within the Tokyo Metropolitan Area.*

1:40 Lawrence Herzog*, San Diego State University, *Global Suburbs: A Report from Mexico and Brazil.*

Discussant(s): Sophie BUHNIK, UMR Géographie-cités, University Paris 1 (Panthéon-Sorbonne)

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- 1411. Hydroclimatology III (Sponsored by Climate Specialty Group)**
Room: *Continental 1, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Manuel Hernandez, University of North Carolina - Chapel Hill; Natalie Teale, Rutgers University
CHAIR(S): Manuel Hernandez, University of North Carolina - Chapel Hill
12:40 Manuel Hernandez*, University of North Carolina - Chapel Hill; Douglas Mcroberts, Texas A&M University; Steven Quiring, Texas A&M University, *Evaluation of NLDAS-2 Precipitation over the Continental United States.*
1:00 Brittany Toy*, *The Usage of SMAP Data and NLDAS for Modeling Power Outages.*
1:20 Laiyin Zhu*, Western Michigan University, *Variation in 93 years of Tropical Cyclone Precipitation (TCP) for North America.*
1:40 Craig Ramseyer*, University of Georgia; Thomas L Mote, University of Georgia, *Climate Downscaling of CMIP5 GCM Simulations to northeast Puerto Rico Precipitation Variability and Drought.*
2:00 Prajwal Panday*, Clark University; Michael T Coe, Woods Hole Research Center; Marcia Macedo, Woods Hole Research Center; Leandro Castello, Virginia Polytechnic University; Paul Lefebvre, Woods Hole Research Center, *Historical and potential future impacts of extreme hydrological events on the Amazonian floodplain hydrology and inundation dynamics.*
- 1412. Society and Environment in the Amazon 3: Social and Economic Geographies of the Amazon**
Room: *Continental 2, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Michael Waylen, University of Florida; Alexandra Nicole Sabo, University of Florida; Aghane De Carvalho Antunes, University of Florida
CHAIR(S): Michael Waylen, University of Florida
12:40 Clay Anderson Nunes Chagas, Clay Chagas*, Universidade Federal do Pará; Clay Anderson Nunes Chagas, Clay Chagas, Universidade Federal do Pará, *Large projects minerals and infra-structural in the Amazon: territorial dynamics and violence indicators in the Carajas Region.*
1:00 Perz Stephen*, University of Florida; Stephen Perz, University of Florida, *Conflicts and Complex Dynamics in the Impacts of the Inter-Oceanic Highway in the Southwestern Amazon.*
1:20 Sam Schramski*, *Agrobiodiversity and social position in the Brazilian Amazon.*
1:40 Carlos F. Mena*, Universidad San Francisco de Quito; Murat Arsel, Dr., International Institute of Social Studies (ISS), Erasmus University Rotterdam; Lorenzo Pellegrini, Dr., International Institute of Social Studies (ISS), Erasmus University Rotterdam; Diego Quiroga, Dr., Universidad San Francisco de Quito, *Oil conflicts in the Norther Ecuadorian Amazon: Regional patterns to Local drivers.*
2:00 Roberta Mendonca De Carvalho*, University of Florida, *Urban Green Coverage Loss in Belém, Brazilian Amazon.*
- 1413. PQN: Organizing for Life's Work: The Present and Future of Social Reproduction I (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**
Room: *Continental 3, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Yui Hashimoto; Caitlin Henry, University of Toronto
CHAIR(S): Paul S. B. Jackson, University of Delaware
12:40 Yui Hashimoto*, *Countering 'urbicide': Social reproduction and the Fight for 15 in Milwaukee.*
- 1:00** Carrie R Freshour, PhD Candidate*, Cornell University, *Place-Making in the Poultry Capital of the World: Production and Social Reproduction Among Black and Latina Women Poultry Workers in Northeast Georgia.*
1:20 Caitlin Henry*, University of Toronto, *Reproducing Social Reproductive Labor: The Case of Nurses in New York.*
Discussant(s): Marion Werner, University at Buffalo, SUNY
- 1415. Economic Geography in Comparitive Context**
Room: *Continental 5, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Xiaoming Yao
12:40 Martin V. Warland*, University of Bern, *Capital cities as loci of public-private knowledge interactions: A comparative study.*
1:00 Anne Visser*, University of California, Davis, *Reshaping Economic Security and Resiliency in the United States: The Great Recession and Structural Shifts in Employment in US Labor Markets.*
1:20 Lin ZOU*, East China Normal University; Gang ZENG, East China Normal University; Xianzhong CAO, East China Normal University, *Differences and evolution trend of Regional Innovation Efficiency ??Take Yangtze economic zone(China)as an example.*
1:40 Zoltán Gál*, Kaposvar University; HAS Research Centre for Economic & Regional Studies, *Geoeconomic boundaries in Central and Eastern Europe: Role of FDI in economic growth and catching-up revisited.*
2:00 Xiaoming Yao*, Canfei He, *Industry Relatedness, Firm Failure and Evolution of Productivity in China.*
- 1416. Excavating Place and Landscape through Archival Methods**
Room: *Continental 6, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Ashley Allen, Louisiana State University
12:40 Taylor E. Mack*, Louisiana Tech University, *Honduras's First, Failed Railroad Contract, 1854: Transcription, Context, and Template for Trans-Isthmian Dreams.*
1:00 Steven L. Driever, Professor Emeritus of Geography*, University of Missouri, *Travels into Lectures: Harry A. Franck and the Pond Bureau, 1919-1932.*
1:20 Juan Li*, University of St. Thomas, *Geographical Imagination and Metaphorical Construction of The Mississippi River in Mark Twain's Life on the Mississippi.*
1:40 Ashley Allen*, Louisiana State University, *Photographs in the Archive: Visual Memorializations of the Snyder Tornado.*
- 1417. Reestablishing a Relationship Between Heterodox Economics and Critical Urban and Economic Geography: Capital Flows, Money, and Value (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Continental 7, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Marshall Feldman, University Of Rhode Island
CHAIR(S): Gary Dymksi
12:40 David Bieri*, Virginia Tech, *Commodity, Fiat, or Credit? Economic Geographies of Money and Finance and Their Uneasy Relationship with Monetary Theory.*
1:00 Marshall Feldman, PhD*, University Of Rhode Island, *Heterodox Reflections on Circuit Switching and the Urban Process.*
1:20 Gary Dymksi*, University of Leeds; Jesus Hernandez, University of California, Davis; Melody Chiong, UC San Diego, *From Internal Colony to Subprime Haven to Circular Economy: The Urban Inner City and the Globalization of Accumulation.*
1:40 Delphine Guex*, University of Neuchâtel; Olivier Crevoisier, University of Neuchâtel, *Territorial value.*
2:00 Gareth Bryant*, University of Sydney, *Carbon as capital? On the contradictions of nature as accumulation strategy.*

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- 1418. In Memory of and Tribute to William I. Woods, 1 (Sponsored by Cultural and Political Ecology Specialty Group, Paleoenvironmental Change Specialty Group)**
Room: *Continental 8, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): William E. Doolittle, University of Texas - Austin; Rolfe Mandel, University of Kansas; Timothy Beach, University of Texas at Austin
 CHAIR(S): William E. Doolittle, University of Texas - Austin
12:40 Valery J. Terwilliger*, University of Kansas; Paul Adderley, University of Stirling, *A Bill Woods Facilitated Study of Whether Paleoenvironmental Changes Influenced the Trajectories of Ancient Civilizations in the Horn of Africa: Part I.*
1:00 Paul Adderley*, University of Stirling; Valery J Terwilliger, University of Kansas, *A Bill Woods Facilitated Study of Whether Paleoenvironmental Changes Influenced the Trajectories of Ancient Civilizations in the Horn of Africa: Part II.*
1:20 Bailey K. Young*, Eastern Illinois University; Laurent Verslype, Professor of Archaeology, Catholic University of Louvain, *Bill Woods and Walhain Project (Brabant Wallon, Belgium).*
1:40 Jonathan M. Flood*, University of Texas at Austin; Sheryl Luzzadder-Beach, PhD, University of Texas at Austin; Timothy Beach, PhD, University of Texas at Austin, *The Interlocking of Human and Natural Systems on the Mochlos Plain: Five Thousand Years of Settlement, Land-use, and Landscape Coevolution.*
 Discussant(s): Timothy Beach, University of Texas at Austin
- 1419. States, Markets, and Shifting Bureaucratic Capacities 3: Panel Discussion**
Room: *Continental 9, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Patrick Bigger, University of Kentucky; Kelly Kay, Clark University
 CHAIR(S): Kelly Kay, Clark University
 Discussant(s): Heather Whiteside, University of Waterloo
 Panelists: Christopher Muellerleile, Swansea University; Sophie Webber, University of British Columbia; Eric Nost, University of Wisconsin-Madison; Philip Ashton, University of Illinois-Chicago; Sangeetha Chandrashekeran, University of Melbourne
- 1420. Health mobilities I: Interrogating the intersection of healthcare, globalization, mobility and commodification (Sponsored by Geographic Perspectives on Women Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Heidi Kaspar, University of Zurich; Audrey Bochaton, University Paris Ouest Nanterre la Défense
 CHAIR(S): Audrey Bochaton, University Paris Ouest Nanterre la Défense
12:40 Madeleine Colette Thompson*, Newcastle University; Maddy Colette Thompson, Newcastle University, *Producing 'Model' Nurse Migrants- A Case Study on Filipino Nurses.*
1:00 Margaret W. Walton-Roberts, PhD*, Wilfrid Laurier University, *Masculinity, nursing and the spatial transformation of occupational status.*
1:20 Luc Gwiazdzinski*, Grenoble Alpes University, *A first approach of home care support in mountain areas in the Alps: between adaptation, environmental impacts and territorial resources.*
1:40 Katharina Brigitta Pelzelmayr*, University of Zurich, *Conceptualising bodies in 24-hour elder care.*
 Discussant(s): Heidi Kaspar, University of Zurich
- 1421. Geographies of Substance Use and Mental Health (Sponsored by Health and Medical Geography Specialty Group)**
Room: *Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Alan M. Delmerico, Center for Health and Social Research; William F. Wiczorek, SUNY Buffalo State
 CHAIR(S): Alan M. Delmerico, Center for Health and Social Research
12:40 Robert Lipton, Ph.D.*, Prevention Research Center; William Poniki, MA, Prevention Research Center; Paul Gruenewald, Ph.D., Prevention Research Center, *Modeling motor vehicle crashes in a complex urban setting: local and general alcohol outlet considerations.*
12:56 Alan M. Delmerico, PhD*, Institute for Community Health Promotion; Micahel V Rienti, Jr, MA, Institute for Community Health Promotion; William F Wiczorek, PhD, Institute for Community Health Promotion; J. Travis Norton, MUP, Institute for Community Health Promotion, *On-Premise Alcohol Availability Weighted by Sales Volume and Criminal Activity in Austin, TX.*
1:12 William Ponicki, M.A.*, Prevention Research Center; Christopher Morrison, Ph.D., University of Pennsylvania; Bridget Freisthler, Ph.D., University of California at Los Angeles; Christina Mair, Ph.D., University of Pittsburgh; Paul Gruenewald, Ph.D., Prevention Research Center; Andrew Gaidus, M.E.M., Prevention Research Center, *The Economic Geography of Medical Marijuana Dispensaries and Related Problems in California.*
1:28 Andrew Gaidus*, Prevention Research Center; Sharon Lipperman-Kreda, Prevention Research Center; Bridget Freisthler, University of Los Angeles; Christopher Morrison, University of Pennsylvania; Paul Gruenewald, Prevention Research Center, *Agglomerative Processes and the Economic Geography of Commercial Drug Markets.*
1:44 William F. Wiczorek*, SUNY Buffalo State; Alan Delmerico, Ph.D., Institute for Community Health Promotion at Buffalo State; Karl Wende, Ph.D, Institute for Community Health Promotion, *Geographic and Social Ecological Approaches to the Opioid Epidemic in Erie County, NY.*
2:00 Aniruddha Banerjee*, Indiana U Purdue U Indianapolis, *Statistically Reducing Topological Complexity of Road Networks.*
- 1422. Critical Sustainabilities III: Sustainability in Grassroots Planning and Pedagogy**
Room: *Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Lindsey Dillon, University of California - Davis; Miriam Greenberg; Rachel Brahinsky, University of San Francisco
 CHAIR(S): Lindsey Dillon, University of California - Davis
12:40 Adonia E Lugo, PhD*, Antioch University Los Angeles; Donald Strauss, PhD*, Antioch University Los Angeles, *Critical Sustainability as Pedagogy and Practice: The Case of USMA in Los Angeles.*
1:00 Cheryl Holzmeyer, Ph.D.*, Postdoctoral Researcher, Stanford University, *Critical Sustainabilities and Critiquing "STEM Crisis" Narratives: Bay Area Science Museums and Regional Political Ecologies.*
1:20 Mia Renauld*, Mia Renauld, Northeastern University, *Just Transition: Transcending Traditional Sustainability in San Francisco's East Bay.*
1:40 Gonzalo Salazar*, Pontificia Universidad Catolica De Chile, *The Contradiction of Sustainability and its Effect on Localizing its Praxis in Urban Systems: The Case of Intermediate Cities of La Araucanía Region of Chile.*
 Introducer: Rachel Brahinsky

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- 1423. The economy of cities: 03 Active transportation in cities**
Room: *Franciscan D, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): John Miron, University of Toronto
 CHAIR(S): Yu-Tong Cheng
 12:40 Kevin Flaherty*, Uber Technologies, *The Organization of the Car Free Lifestyle and the Role That Car Free Job Classifications Must Play.*
 1:00 Jiawen Yang*, Peking University Shenzhen Graduate School, *Density-oriented versus development-oriented transit investment: Decoding metro station location selection in Shenzhen.*
 1:20 Yi-Hsuan Wei*, National Taiwan University; Jen-Jia Lin, National Taiwan University, *Evaluating Bikeability for Utility Biking in Urban Areas.*
 1:40 Estelle Degouys*, CNRS - Paris 8, *Pedestrians' itineraries and cities shape : use strategies and resilience of the urban streets network.*
 2:00 Yu-Tong Cheng*, National Taiwan University; Jen-Jia Lin, National Taiwan University, *The Influences of Built Environment on Public Bike Usage.*
- 1424. Health Geography, Medical Humanities, and Narrative Medicine III**
Room: *Imperial A, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Courtney Donovan, San Francisco State University; Sarah De Leeuw, University of Northern British Columbia
 CHAIR(S): Courtney Donovan, San Francisco State University
 12:40 Ebru Ustundag*, Brock University; Courtney Donovan, San Francisco State University, *Contesting clinical accounts of traumatic experiences: exploring graphic novel discourses.*
 1:00 Sage Perdue*, University of California, Merced, *Mapping Suicidal Epistemology: Medical and Psychiatric Narratives in Sarah Kane's 4.48 Psychosis.*
 1:20 Zoé Codeluppi*, Université De Neuchatel, *Narratives and their limits when working with persons living with mental health problems.*
 Discussant(s): Diana Beljaars, Cardiff University; Robin A. Kearns, The University of Auckland
- 1425. Geography and Literature II: Space and Place (Sponsored by Cultural and Political Ecology Specialty Group, Graduate Student Affinity Group, Development Geographies Specialty Group)**
Room: *Imperial B, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Abdul Aijaz, Indiana University; Jessie Speer; Jacqueline Diagneault, University of Minnesota - Minneapolis
 CHAIR(S): Peter J. Hugill, Texas A&M University
 12:40 Manuel Molla*, Universidad Autonoma De Madrid, *Landscape and Literature: Three Writers from Jalisco.*
 1:00 Nicolas Ortega*, Universidad Autonoma de Madrid, *Geography, Landscape and Identity in the Spanish Writers of the Generation of '98.*
 1:20 Ranae Underwood*, Texas Woman's University; Robert R. Underwood, University of North Texas, *Place, Space, and Political Economy in John Williams' Butcher's Crossing.*
 1:40 Stacie Townsend*, UC Davis Geography Graduate Group, *Narratives of California's Heartland: A Geographic Perspective on the Fictional Literature of the Central Valley.*
 Discussant(s): Peter J. Hugill, Texas A&M University
- 1426. Tornadoes, Climate, and Societal Impacts**
Room: *Yosemite A, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Holly Widen, Florida State University; Tyler Fricker, Florida State University
 CHAIR(S): Holly Widen, Florida State University
 12:40 Holly M Widen*, Florida State University, *Regional Tornado Risk and Vulnerability in the United States.*
 1:00 Tyler Fricker*, Florida State University; James B. Elsner, Florida State University, *Tornado casualty maps.*
 1:20 James Elsner*, Department of Geography, Florida State University; Tyler Fricker; Thomas H. Jagger; Holly Widen, *Tornado energy dissipation related to casualties.*
 1:40 Grady Dixon*, Fort Hays State University; Timothy Coleman, University of Alabama in Huntsville, *"Tornado Alley," "Dixie Alley," and Other Examples of How We Confuse the Public about Tornado Risk.*
 2:00 Michelle Bradburn, B.S. Geography, M.S. Geosciences (in progress)*, East Tennessee State University; Andrew Joyner, PhD., East Tennessee State University; Ingrid Luffman, PhD., East Tennessee State University; William Tollefson, M.S., East Tennessee State University, *Tornado Return Periods in the Southeastern United States: Communicating Risk and Vulnerability at the Regional and State Levels.*
- 1427. Career Strategy Series #1: Networking (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Niem Huynh, American Association of Geographers
 CHAIR(S): Niem Huynh, American Association of Geographers
 Discussant(s): Niem Huynh, American Association of Geographers; Angela Rogers, Pennsylvania State University
- 1428. Beyond the Armchair 1: Geography of Fieldwork and Study Abroad (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Kelly Lemmons, Tarleton State University; Derek France, University of Chester; Hillary Hamann, University of Denver
 CHAIR(S): Kelly Lemmons, Tarleton State University
 12:40 Kelly Lemmons*, Tarleton State University, *Study Abroad and Geography.*
 1:00 Derek France*, University of Chester; Alice Mauchline, University of Reading; Katharine Welsh, University of Chester, *Social Media and Fieldwork.*
 1:20 Jongwon Lee, PhD*, Ewha Womans University, *The advantages and disadvantages of incorporating a mobile GIS solution into an inquiry-based fieldwork to investigate the impacts of tourism on a World Heritage site.*
 1:40 James Kernan*, SUNY Geneseo, *Outcomes from Interdisciplinary Undergraduate Field Research.*
 2:00 Chris Castagna*, California State University, Sacramento, *Back and Forth: Reflections on Ethnographic Fieldwork.*
- 1429. Spatial Data Mining and Big Data Analytics (3) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor* (Panel Session)
 ORGANIZER(S): Caglar Koylu, University of Iowa; Diansheng Guo, University Of South Carolina
 CHAIR(S): Diansheng Guo, University Of South Carolina
 Panelists: Luc Anselin, Arizona State University; Daniel Z. Sui, The Ohio State University; Jean-Claude Thill, University of North Carolina at Charlotte; Robert N. Stewart, Oak Ridge National Laboratory
- 1430. New themes in international skilled migration research 1: highly skilled migrants (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Sophie Cranston, Loughborough University;

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Micheline Van Riemsdijk, University of Tennessee
 CHAIR(S): Heike Alberts, University of Wisconsin-Oshkosh
12:40 Sophie Cranston*, Loughborough University, *Expatriate as a Good Migrant? Thinking Through Skilled Migration Categories.*

1:00 Ajay Bailey, PhD*, Faculty of Spatial Sciences, University of Groningen, *My contribution to the Dutch society.. hmmm: exploring immigrant reflexivity and host society relations among skilled Indians in The Netherlands.*

1:20 Micheline van Riemsdijk*, University of Tennessee, *Attracting Skilled Migrants to the City: Place Branding in Kongsberg and Stavanger.*

1:40 Elizabeth Chacko*, The George Washington University, *The integration of high-skilled migrants from India in Singapore.*

Discussant(s): Heike Alberts, University of Wisconsin-Oshkosh

1431. Land, Justice and Agrifood Movements I: Trajectories and Tensions (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Katheryn Michelle Glowa; Antonio Roman-Alcalá; Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition

CHAIR(S): Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition

12:40 Garrett Broad, PhD*, Fordham University, *Food Justice Lessons from the Black Panther Party: Property, Economic Development, and Sustainable Community Change.*

1:00 Joshua Sbicca*, Colorado State University, *Leftovers and Livelihoods: Reimagining Patchwork Urban Agriculture for Food Justice.*

1:20 Diana Denham*; Amy Coplen; Dillon Mahmoudi; Adam Brunelle; Nathan McClintock, *Urban agriculture and gentrification in sustainable cities: a case study from Montreal and Portland.*

1:40 Katheryn Michelle Glowa, PhD*, Assistant Professor, Department of Anthropology and Social Change, California Institute of Integral Studies, *Enacting Communal Properties Across Scales: Resistance to Garden Eviction in Santa Cruz, CA.*

Introducer: Laura-Anne Minkoff-Zern

Discussant(s): Antonio Roman-Alcalá

1432. Creative Approaches to Researching Religion in the City 1: Embodied Practices and Narratives of Everyday Religion (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Laura Cuch, University College London; Natalie Hyacinth; Justin Tse, University of Washington
 CHAIR(S): Justin Tse, University of Washington

12:40 David Gilbert*, Royal Holloway, University of London; Nazneen Ahmed, Dr, University College London; Claire Dwyer, Dr, University College London, *The creativities of everyday faith spaces and participatory research approaches.*

1:00 Giuseppe Carta*, University of Bristol, *Researching the Impersonal Faith: Familial Storytelling, Assemblage Theory and Geographical Imaginaries in the Postsecular City.*

1:20 Natalie Hyacinth*, Royal Holloway University of London, *SoundWorlds of the Sacred: Sense, Spirituality and Musical Performance.*

1:40 Erin H. Fouberg*, Northern State University, *Croagh Patrick, Ireland and Medjugorje, Bosnia and Hercegovina: The Place of Medjugorje Pilgrimage in Ireland.*

2:00 Margaret Greenfields*, Buckinghamshire New University (UK); Surat Shaan Rathgeber Knan, Community Programme Coordinator, Liberal Judaism, *"Ritual Reconstructed": using the arts and humanities to explore Jewish LGBTQI peoples' religious lives in London, UK.*

1433. Environmental Justice and Environmental Disasters I (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Dean Kyne, The University of Texas Rio Grande Valley; Bob Bolin, Arizona State University
 CHAIR(S): Bob Bolin, Arizona State University

Introducer: Dean Kyne

12:45 Catherine Garoupa White*, UC Davis, *Addressing Outdoor Air Pollution in California's San Joaquin Valley: The Impacts of Procedural Changes in Advancing Environmental Justice.*

1:05 Dean Kyne*, The University of Texas Rio Grande Valley; Bob Bolin, Arizona State University, *Emerging Environmental Justice Issues in Nuclear Power and Radioactive Contamination.*

1:25 Heather Arata*, UC Berkeley, *Making Public Participation Meaningful: Examining twenty-five years of community resilience in Kettleman City.*

1:45 Megan Lawson, PhD*, Headwaters Economics, *Identifying Vulnerable Populations Using an Automated, Data-Driven Tool.*

Discussant(s): Bob Bolin, Arizona State University

1434. Hydraulic Fracturing (Fracking), Concerns, and Responses (Sponsored by Water Resources Specialty Group)

Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University

CHAIR(S): Joseph Terzungwe Zume, Shippensburg University

12:40 Shanon Donnelly*, University of Akron, *Comparison of land change resulting from the development of shale oil and gas infrastructure in two counties in Ohio and Pennsylvania.*

1:00 Zachary A. Jones, M.A., M.S.*, Eastern Michigan University, *Socioeconomic Assessments of Communities Near Hydraulic Fracturing Wells.*

1:20 Nicholas Schuelke*, University of Wisconsin - Milwaukee, *Conflict over shale energy development in Weld County, Colorado.*

1:40 Thanan W P Rodrigues*, Unesp/FCT; Deepak R Mishra, Department of Geography, University of Georgia; Enner Alcántara, Department of Cartography, Unesp/FCT; Fernanda S Y Watanabe, Unesp/FCT; Nilton N Imai, Department of Cartography, Unesp/FCT, *Assessing bio-optical models to estimate total suspended matter in oligotrophic tropical reservoirs.*

2:00 Joseph Terzungwe Zume*, Shippensburg University, *Hydraulically Fracturing the Marcellus Shales of Pennsylvania; Facts, Speculations, and Confusions..*

1437. Hazards and GIScience (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Rutherford V. Platt, Gettysburg College; Michael E. Hodgson, University of South Carolina

CHAIR(S): Rutherford V. Platt, Gettysburg College

12:40 John Edward Slaughter Saunders, MGIS Candidate*, Pennsylvania State University, *Statistical Review of Tsunami Generated by Earthquake-Produced Submarine Landslides and Tsunami Direct Path GIS Impact Analysis.*

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- 1:00** Rutherford V. Platt*, Gettysburg College; David Manthos, SkyTruth; Yolanda Franklin, SkyTruth; John Amos, SkyTruth, *Detecting the creation and removal of fracking impoundments using trend analysis of Landsat imagery.*
- 1:20** Sara E. Harrison*, University of Waterloo; Peter Johnson, University of Waterloo, *Crowdsourcing in Emergency Management: A comparative analysis of crowdsourcing adoption by governments in the United States and Canada.*
- 1:40** Brian Tomaszewski, Ph.D.*, The Rochester Institute of Technology; Amy L. Griffin, Ph.D., UNSW Canberra, *Students Learning about Disaster Situation Training using Serious Games for GIS (SerGIS).*
- 2:00** Bandana Kar*, University of Southern Mississippi; ZhiQiang Chen, University of Missouri - Kansas City, *Big Data Quality - A Comparison of Structured and Unstructured Data During a Disaster.*
- 1438. Geographies of Media II: Geographies of Science Fiction and Fantasy (2) (Sponsored by Communication Geography Specialty Group)**
Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Hannah Gunderman, University of Tennessee, Knoxville; Joseph Palis, University of the Philippines-Diliman
 CHAIR(S): Hannah Gunderman, University of Tennessee, Knoxville
12:40 Christina E. Dando*, University of Nebraska-Omaha, *God's Gardeners: Margaret Atwood, MaddAddamites and Social Media.*
1:00 Jacqueline Salmond, Ph.D.*, Florida Gulf Coast University; Michael Salmond, MFA, Florida Gulf Coast University, *The virtual tourist: the simulated environments and impossible geographies of videogames..*
1:20 Joe Blankenship*, Cyber Geography Research Institute International, *The Production of Cyberspace.*
1:40 Andrea Brown*, *Haunting Houses: Affect, Space and the Model Home.*
 Discussant(s): Ann El Khoury, Macquarie University
- 1439. Strategies Establishing Collaborative Networks between the ASG and Geography Departments of African Universities (Sponsored by Africa Specialty Group)**
Room: Union Square 12, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University; Godwin Arku, The University of Western Ontario; Raymond Asare Tutu, Delaware State University
 CHAIR(S): Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability
 Panelists: Martin Oteng-Ababio, University of Ghana; Aondover Tarhule, University of Oklahoma Department of Geography and Environmental Sustainability; Seth Appiah-Opoku, University Of Alabama; Tonny Oyana, University of Tennessee -Memphis; Richard Grant, University Of Miami
- 1440. Symposium on Human Dynamics Research: Social Media and Big Data I (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Jiue-An Jay Yang, San Diego State University; Ming-Hsiang Tsou, San Diego State University; Atsushi Nara, San Diego State University
 CHAIR(S): Ming-Hsiang Tsou, San Diego State University
12:40 Xuan Shi*, University of Arkansas, *Understanding and Detecting Wildfire Events from the Chaotic Social Media through Supervised Learning.*
1:00 Eric Shook*, Kent State University, *Response to Ebola on Twitter.*
1:20 Jiue-An Yang*, San Diego State University, *Formalizing and Visualizing Place in GIS with Social Media Data.*
1:40 Chen Xu*, University of Wyoming, *Linking Mobility in the Hybrid Space to Social Media User Identities.*
2:00 Ming-Hsiang Tsou*, San Diego State University, *Research Challenges and Opportunities in Mapping Social Media and Big Data.*
- 1441. Tourism and Infrastructural Challenges and Opportunities (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Patrick Brouder, Brock University
 CHAIR(S): Joel Ian Deichmann, Bentley University
12:40 Philip L. Chaney*, Auburn University; Nicholas Barbre, Auburn University; Jarrett Roland, Auburn University, *Whitewater Rafting Tourism and Dam Removal on the Chattahoochee River at Columbus, Georgia.*
1:00 Joel Ian Deichmann*, Bentley University; Foster Frempong, ABD, Department of Geography and Rural Development, KNUST (Kumasi, Ghana), *International Tourism in Ghana: A Survey Analysis of Traveler Motivations and Perceptions..*
- 1442. Becoming Financial III: Everyday spaces, practices and actors (Sponsored by Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 15, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Mark Kear, University of Arizona - Geography & Regional Development; Jessa Loomis, University of Kentucky
 CHAIR(S): Jessa Loomis, University of Kentucky
 Discussant(s): Karen Lai, National University of Singapore; William Kutz, University of Manchester
 Panelists: Mark Kear, University of Arizona - Geography & Regional Development; Desiree Fields, University of Sheffield; Miranda Joseph, University of Arizona; Carolina K. Reid, UC Berkeley
- 1443. Climate Change and Indigenous Peoples (Sponsored by Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group)**
Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): RDK Herman, National Museum of the American Indian
12:40 Paulette L. Blanchard, MA*, University of Kansas, *Our Squirrels Will Have Elephant Ears: Indigenous Perspectives on Climate Change in the South Central United States.*
1:00 Santiago Lopez*, University of Washington Bothell; Jin-Kyu Jung*, University of Washington-Bothell, *Linking climate science, geographic information science, and qualitative research: Understanding climate change impacts and local adaptation in the Tropical Ecuadorian Andes.*
1:20 Jason C. Young*, University of Washington, *Avatimik Kamatsiarniq: Inuit, Climate Change, and Digital Environmentalism.*
1:40 Zoltan Grossman*, The Evergreen State College, *Maori Opposition to Fossil Fuel Extraction in Aotearoa New Zealand.*
2:00 Laura Caplins*, Nature-Link Institute, *Cross cultural capacity building: Landscape conservation and climate change adaptation with the Blackfeet Nation.*
- 1444. Time, Population and Place (Sponsored by Population Specialty Group)**
Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Seth E. Spielman, University of Colorado

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CHAIR(S): Woo Jang, Minnesota State University, Mankato
12:40 Janet H. Gritzner*, South Dakota State University,
*Remaking Main Street: 21st Century Eastern South
 Dakota Towns.*

1:00 Mi Young Park*, The Ohio State University; Steven
 Ira Gordon, The Ohio State University, *Modeling
 Population and Land Use Change within the
 Metropolitan Areas of Ohio: focusing on Declining
 Regions.*

1:20 Peter A. Rogerson*, SUNY - BUFFALO; David A. Plane*,
 University of Arizona, *A Demographic Profile of
 Albion, New York in the Mid-Nineteenth Century.*

1:40 Andrew Brick, Minnesota State University, Mankato;
 Woo Jang*, Minnesota State University, Mankato, *A
 Migration Analysis of Demographic Transitions in the
 Upper-Midwest, from 2006-2010.*

2:00 Gregory Burris*, Florida State University, *Wrangling
 Historical Data: The Parker Gallman Sample.*

1445. Rural-urban continuum area as a “blind field”: Critical reflections on the spatiality of China’s urbanisation (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Yimin Zhao, London School of Economics;
 Hyun Bang Shin, London School of Economics and
 Political Science

CHAIR(S): Hyun Bang Shin, London School of Economics and
 Political Science

12:40 Calvin King-Lam Chung*, University College London,
*Urban Sustainability Fix, Rural Environment, and
 China’s Evolving Rural-Urban Continuum Areas.*

1:00 Mi Shih*, Rutgers University, *The Multiplicity of Land
 Expropriation: Villages, Agency and Urbanization in
 China.*

1:20 Ye Lin, Visiting Scholar*, Department of Anthropology,
 Harvard University, *Temporary Life in the “Ruins”.*

1:40 Ziyang Wang*, London School of Economics, *Contesting
 Space and Identity: mediated resistance of Chinese
 migrant workers’ NGO in a rural-urban continuum
 area..*

2:00 Yimin Zhao*, London School of Economics, *Urbanising
 Greenbelt in Beijing: Spatial tactics, land politics and
 urban expansion.*

1446. Neighborhood Dynamics 1: Racial, Ethnic and Class Segregation Changes (Sponsored by Urban Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Elizabeth Delmelle, University of North
 Carolina at Charlotte

CHAIR(S): Elizabeth Delmelle, University of North Carolina at
 Charlotte

12:40 Mark Ellis*, University of Washington; Richard Wright,
 Dartmouth College; Steven R. Holloway*, University
 Of Georgia; Lee Fiorio, University of Washington,
*Diversity And White Majority Neighborhood Change In
 US Metro Areas Since 1990.*

1:00 William A Clark*, University of California - Los Angeles;
 Eva Andersson, Stockholm University; Bo Malmberg,
 Stockholm University, *How are mixed race households
 changing spatial ethnic and racial mixing?.*

1:20 Wouter van Gent*, Universiteit van Amsterdam; Sako
 Musterd, Universiteit van Amsterdam; Jan Latten,
 Statistics Netherlands; Marjolijn Das, Statistics
 Netherlands, *An anchor to change? Residential
 location and spatial sorting among various income-
 balanced couples.*

1:40 Kaitlin Colandrea*, UNC Charlotte; Elizabeth Delmelle,
 UNC Charlotte, *Changes in Local Spatial Patterns of
 Racial and Ethnic Segregation, 1990-2010.*

2:00 Merle Zwiers*, Delft University of Technology; David

Manley, dr., University of Bristol; Maarten van Ham,
 prof. dr., Delft University of Technology & University
 of St Andrews, *Latent Neighborhood Trajectories:
 Disentangling the Relationship Between Neighborhood
 Change and Segregation.*

1447. Financial restructuring in China: economic-geographical preconditions and pathways (Sponsored by China Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Kean Fan Lim, University of Nottingham

CHAIR(S): Kean Fan Lim, University of Nottingham

12:40 Kean Fan Lim*, University of Nottingham, *Hengqin and
 Qianhai as experimental sites of cross-border RMB
 flows: a comparative evaluation.*

1:00 David R. Meyer*, Washington University in St. Louis,
China’s Global Economic Development Strategy.

1:20 Zhao Zhang*, University College Dublin, Ireland;
 Shenjing He, The University of Hong Kong, China,
*From Chongqing to Nanjing: China’s Experimental
 State-led Financialisation and Its Impacts on Urban
 Redevelopment Process.*

1:40 Xiao Lin*, The Center for Modern Chinese City Studies,
 East China Normal University; Wei Xu, Geography
 Department, University of Lethbridge; Baiping
 Zhang, China Center for Economic Research, Peking
 University; Fan Yang, Innovation and Strategic Studies,
 East China Normal University, *Venture capital and
 innovation: co-location or causation?.*

1448. Public Transportation (Sponsored by Transportation Geography Specialty Group)

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Elizabeth Delmelle, University of North
 Carolina at Charlotte

CHAIR(S): Bruce S. Appleyard, San Diego State University

12:40 Corwin Bell, UC Berkeley; Daniel Chatman, Associate
 Professor, UC Berkeley; Abigail Cochran, UC
 Berkeley; Ulises Hernandez, UC Berkeley; Eleanor
 Leshner, UC Berkeley; Mwikali Mbilo, UC Berkeley;
 Dana Rubin, UC Berkeley; Manuel Santana, UC
 Berkeley; Evelyne M. St-Louis*, University of
 California Berkeley; Kelan Stoy, UC Berkeley;
 Francisco Trejo-Morales, UC Berkeley, *Impacts
 of Transmetro BRT in Barranquilla, Colombia: a
 qualitative perspective.*

1:00 Luis R. Ortiz Sanchez*, State University of New York at
 Binghamton, *User Perception of the Metropolitan Bus
 Authority in San Juan, Puerto Rico.*

1:20 Steven Reader*, University Of South Florida; Steven Ulloa,
 University of South Florida, *Proximity to Bus Rapid
 Transit and Real Estate Prices.*

1:40 Seva Rodnyansky*, University of Southern California, *Do
 It Yourself: Obtaining Updated Transit Stop and Route
 Shapefiles in non-Urban Areas via GTFS, a California
 Example.*

2:00 Bruce S. Appleyard*, San Diego State University, *The
 Transportation/Land Use/Livability Connection:
 Metrics, Methods, and Strategies.*

1449. The Political Forest I: Governance, Expertise, and Resistance

Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Jennifer Baca, Bowdoin College - Brunswick,
 ME

CHAIR(S): Jennifer Baca, Bowdoin College - Brunswick, ME

12:40 Catherine Corson*, Mount Holyoke College, *Corridors of
 Power.*

1:00 Thiruni Kelegama*, University of Zurich, *Anxious
 Integration: Claiming Sri Lanka’s post-war frontier.*

1:20 Yolanda Ariadne Collins, MRes*, Central European
 University, *Visions of REDD+: Conflicting Discourses*

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and Positionings.

1:40 Saska Petrova*, University of Manchester, *Forests and energy poverty: the transboundary politics of fuelwood in South-Eastern Europe.*

Discussant(s): Peter Vandergeest, York University; Nancy Lee Peluso, University of California

1450. Green infrastructure: Theory and Practice 1 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)

Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Sara Meerow, University of Michigan; Joshua P. Newell, University of Michigan

CHAIR(S): Sara Meerow, University of Michigan

12:40 Nate Millington*, University of Kentucky, *The High Line in Translation: New Vocabularies of Green Infrastructure on São Paulo's Minhocão.*

1:00 Marissa Matsler*, Portland State University; Erin Looper, Portland State University, *Making Green 'Fit' in a Grey City: the invisible work of standards, codes, and classifications of nature in changing institutions and ecosystems in Portland, Oregon.*

1:20 Mike Antos*, University of California - Los Angeles, *Social and Institutional Change to Support Green Infrastructure Implementation.*

1:40 Richard Kruger*, Clark University, *Making the urban live (again): the dispositif of green infrastructure in Philadelphia.*

Discussant(s): Michael H. Finewood, Pace University

1451. Climate, Weather and Mobility I

Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Lars Bocker; Tanu Priya Uteng, Institute of Transport Economics; Chengxi Liu, KTH Royal Institute of Technology

CHAIR(S): Tanu Priya Uteng, Institute of Transport Economics

12:40 Janika Raun*, University of Tartu, Department of Geography, *Analysing the Influence of Weather Conditions on Domestic Tourism in Estonia.*

1:00 Tanu Priya Uteng*, Institute of Transport Economics; Lars Bocker, Department of Geography, University of Oslo, *Weather and daily mobility: a cross-comparison between Dutch and Norwegian city regions.*

1:20 Lars Bocker*, University of Oslo (Norway); Tanu Priya Uteng, Institute of Transport Economics (Norway), *Weather Effects on Human, Electricity and Fossil-based Energy Use for Personal Mobility.*

Discussant(s): Chengxi Liu, KTH Royal Institute of Technology

1452. Home: Critical Geographies of the Home(land) I - Gender, Family, (in)security (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Sara N. Hughes, University of California - Los Angeles; Maegan Miller, CUNY - Graduate Center

CHAIR(S): Sara N. Hughes, University of California - Los Angeles

12:40 Nicole Nguyen*, University of Illinois - Chicago, *Schools of War: Homeland Security in US Classrooms.*

12:55 Amy Piedalue*, University of Washington, *Securing Muslim Women's Safety: Organizing Against Domestic Violence in the Age of Terror.*

1:10 Jo Little*, University of Exeter, *Bringing War Home. Domestic violence and gender in military households in the UK..*

1:25 Kevin Keenan*, College of Charleston, *The Gender Values-Vulnerability Nexus and Studying Societal Responses to Terrorism.*

1:40 Benjamin Rubin*, CUNY - Graduate Center, *Risk in the Home: Child Protection, and the Parent as Threat.*

Discussant(s): Cindi Katz, CUNY Graduate Center

1453. Coastal Tourism (Sponsored by Recreation, Tourism, and Sport Specialty Group, Coastal and Marine Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Klaus J. Meyer-Arendt, University of West Florida

CHAIR(S): Klaus J. Meyer-Arendt, University of West Florida

12:40 Diana Veronica Burbano, PhD student*, McGill University; Thom Meredith, PhD professor Dept. Geography, McGill University, *Assessing Resource-Based Livelihoods in the Face of Tourism Development in the Galapagos Islands? A Comparative Analysis among Populated Islands.*

1:00 Benjamin F. Timms*, Cal Poly, *A Comparative Remote Sensing Analysis of Coastal Development with Alternative Tourism Trajectories in Jamaica: Negril versus Treasure Beach.*

1:20 G. Thomas LaVanchy*, Gustavus Adolphus College, *Water security and voluntary environmental contributions in tourism in southwest Nicaragua.*

1:40 Peterson Kinywa Wambuu*, University of Northern Iowa; John Henry Owusu, Ph.D., University of Northern Iowa, *Socio-Economic Impacts of International Tourism on a Local Community: A Case Study of Malindi Town, Kilifi County, Kenya..*

1454. Geopolitics of Peace and Conflict in the Asia/Pacific Region (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Colin Flint, Utah State University; Scott Kirsch, University of North Carolina at Chapel Hill

CHAIR(S): Scott Kirsch, University of North Carolina at Chapel Hill

12:40 Takashi Yamazaki, Ph.D.*, Osaka City University, *Japan's geopolitical vision and military posture towards the Pacific Ocean.*

1:00 Sang-Hyun Chi*, Kyung Hee University, *The Construction of Anti-unification Discourses: Through Disputed Identities of Korean-Chinese in Korea.*

1:20 Colin Flint*, Utah State University; Xiaotong Zhang, Wuhan University, *The Geopolitics of the One Belt, One Road Project: Western Interpretations and Their Policy Implications.*

1:40 Sasha Davis*, Keene State College, *Clashing Securities and Archipelagos of Power in the Pacific.*

2:00 Scott Kirsch*, University of North Carolina at Chapel Hill; Joseph Palis*, University of the Philippines-Diliman; Lourdes Benipayo, Department of Geography, University of the Philippines Diliman, *SUBIG TRANSECT: Developing a digital atlas of place, geopolitics, and gender.*

1455. Urbanization in South and Southeast Asia - Paper Session 1 (Sponsored by Asian Geography Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Gargi Chaudhuri, University of Wisconsin La Crosse

CHAIR(S): Gargi Chaudhuri, University of Wisconsin La Crosse

12:40 Kalpana Markandey, Prof.*, Osmania University, Hyderabad, India; Srinagesh B, Dr., Osmania University, Hyderabad, India, *Facets of Inclusivity in Housing: A Case study of Hyderabad, India.*

1:00 Aman Luthra*, Johns Hopkins University, *Infrastructure and modernity: Treating and disposing waste in contemporary India.*

1:20 Diganta Das*, Nanyang Technological University, *Of sub-national entrepreneurialism, (urban) policy mobility and making of smart cities.*

1:40 Christopher A. Airriess*, Ball State University; Michael J Hawkins, Ball State University, *Durian tourism, consumption, and place-based refinement in Balik Pulau, Penang..*

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- 2:00** Gargi Chaudhuri*, University of Wisconsin La Crosse, *Forecasting future urbanization in Kolkata, India using SLEUTH land use change model.*
- 1456. Critical Logistics I: Making Logistical Space (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Spencer L. Cox, University of Minnesota; Beth Gutelius, University of Illinois at Chicago
 CHAIR(S): Charmaine Chua, University of Minnesota - Minneapolis
- 12:40** Martin Danyluk*, University of Toronto, *"Battle of the Ports": The Panama Canal Expansion and the Shifting Architecture of World Trade.*
- 1:00** Rakhee Kewada*, Graduate Center - CUNY, *'Till China and Africa Meet: Infrastructure, Development and Social Reproduction in Bagamoyo, Tanzania.*
- 1:20** Charmaine Chua*, University of Minnesota - Minneapolis, *Choquepoints of circulation: Supply chain disruptions as forms of anti-colonial resistance.*
- 1:40** Shiri Pasternak*, York University, *Dispossession Without Removal: Settler Colonialism in a Geo-economic World.*
- 1457. Modern India: Achievements and Challenges in the 21st Century (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Rajrani Kalra, California State University - San Bernardino
 CHAIR(S): Debnath Mookherjee, Western Washington University
- 12:40** Rajrani Kalra*, California State University - San Bernardino, *Spatial Analysis of Languages and Literacy Patterns in India.*
- 1:00** Raj Kapoor Sharma*, Irrigation and Waterways directorate, Govt of West Be, *Irrigation Water Requirements: The Study of the Damodar Valley Corporation (DVC), India Using Remotely Sensing Data.*
- 1:20** Arup Chattopadhyay*, National Institute of Electronics & Information Technology, India; Prameshwor Th. Singh, National Institute of Electronics and Information Technology (NIELT), *Recent Developments in the Use of GPS and Handheld Geospatial Technologies.*
- 1:40** Kathryn Lea Metzker*, University of Hawaii - Manoa - Honolulu, HI, *Place-Based Methods for the Recovery, Care, and Empowerment of Survivors of the Commercial Sex Trade and of Human Trafficking in Rural and Urban India.*
- 2:00** Amogh Arakali*, Indian Institute for Human Settlements, *The Urbanising Commons: Changing Socioeconomic and Political Institutions around Wetlands and Water Bodies of Bengaluru.*
- 1458. Hybrid geographies of Korea (Sponsored by Geographic Perspectives on Women Specialty Group, Asian Geography Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Amelia Schubert, University of Colorado; Yeong-Hyun Kim, Ohio University; Hyunuk LEE, Ewha Womans University
 CHAIR(S): Amelia Schubert, University of Colorado
- 12:40** Helen Kim*, University of East London, *Being Diasporic 'Other' in Berlin: Negotiating German Korean mixedness through urban diasporic mobility.*
- 1:00** Yulii Kim*, Seoul National University; Haeran Shin, Seoul National University, *Pulled into activism: Gradual expansion of Korean-Vietnamese marriage migrant activists' spatial capability.*
- 1:20** Hyunuk LEE*, Ewha Womans University, *Refugees, transmigration and locality: a study of the Zummas in Gimpo, Korea.*
- 1:40** Amelia Schubert*, University of Colorado, *Pathways and Pathologies: Female mobility between China and the Korean peninsula.*
 Discussant(s): Yeong-Hyun Kim, Ohio University
- 1459. Interrogating the Anthropocene in the Himalayan Region: Hazards, Infrastructure and Environmental Justice - I (Sponsored by Asian Geography Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Mabel Gergan; Mitul Baruah, Syracuse University
 CHAIR(S): Mitul Baruah, Syracuse University
- 12:40** Mabel Denzin Gergan, PhD Candidate*, University of North Carolina at Chapel Hill, *Geological Anxieties in the Anthropocene at the Unruly Borderlands of the Indian State.*
- 1:00** Rohit Negi*, Ambedkar University Delhi, *Pahadis and the Anthropocene: Infrastructures and Associational Lives in a Small Himalayan Town.*
- 1:20** Arica Crootof*, University of Arizona - Geography & Regional Development; Neha Khandekar, People's Science Institute, *A Social-Ecological Systems Perspective on Small Hydropower in the Indian Himalayas.*
- 1:40** Barbara Brower*, Portland State University, *What's the harm in a name? Anthropocene et al. and the history of Himalayan scholarship.*
 Discussant(s): Jacob Shell, Temple University
- 1460. China's Silk Road Project (Sponsored by Russian, Central Eurasian, and East European Specialty Group, China Specialty Group, Asian Geography Specialty Group)**
Room: VanNess Room, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Stanley Toops, Miami University
 CHAIR(S): Stanley Toops, Miami University
 Introducer: Stanley Toops
 Panelists: Alexander C. Diener, University of Kansas; Majed Saeed Akhter, Indiana University; Andrew Grant; Mia Bennett; Galen Murton, University of Colorado, Boulder; Rupak Shrestha, University of Colorado Boulder; Ran Tao, University of North Carolina - Charlotte - Charlotte, NC; Philippe Forêt, Nazarbayev University; George C.S. Lin, University of Hong Kong
- 1462. Transnationalizing Migration Management III**
Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Malene H. Jacobsen
 CHAIR(S): Malene H. Jacobsen
- 12:40** Nancy Hiemstra*, Stony Brook University, *Expanding Architectures of U.S. Immigration Policing in Latin America.*
- 1:00** Leah Montange*, University of Toronto, *Detention Center Hunger Strikes and Transnational Migration Management "From Below".*
- 1:20** Mario Bruzzone*, University of Wisconsin-Madison, *The US-Mexico border as Punitive Border Regime.*
- 1:40** Leanne Purdum*, The University of Georgia, *From Mexican Border Patrol to Texan Prison Guards: Examining US backed Border Patrol in Mexico.*
 Discussant(s): Carrie Mott, University of Kentucky
- 1463. Infrastructure Investment in Emerging Markets (Sponsored by Economic Geography Specialty Group)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Peter O'Brien; Yin Yang, University of Oxford
 CHAIR(S): Gordon L. Clark, Smith School of Enterprise and the Environment
- 12:40** Jiang Xu*, The Chinese University of Hong Kong, *Planning Intercity Railway System in China's Pearl River Delta: A 'Scale Politics' Perspective.*
- 1:00** Xuanyi Sheng*, University of Oxford, *Stakeholder cooperation for Public-Private Partnerships of*

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infrastructure investment in the context of China's One Belt One Road Initiative.

1:20 Ilknur Kursunlugil*, EHESS Paris, *The Construction of Transnational Spaces in Turkey: Network of the New Governance and the Capital in Istanbul since 2000s.*

1:40 Xiaofan Luan*, Chinese University of Hong Kong, *Decoding Funding and Development of inter-city railways in the Pearl River Delta: A perspective of politics of scale.*

2:00 Xi Hu*, Environmental Change Institute, University of Oxford; Jim Hall, Environmental Change Institute, University of Oxford, *China's Infrastructure (R) evolution: Exploring the Drivers of Infrastructure Development.*

1464. Biopower in Practice: empirical engagements with Foucault I

Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Christine Barnes, King's College London; Amiera Sawas, King's College London

CHAIR(S): Christine Barnes, King's College London

12:40 Charles L Heck, Doctoral Candidate*, Florida International University, *The Biopolitics of Precarity: Risk Mapping and Resilient Life in Rio de Janeiro.*

1:00 Amiera Sawas*, King's College London, *Do you know how to wash your hands properly? Attempts at Biopower in Water, Sanitation and Hygiene Programmes in Pakistan.*

1:20 Jemima Repo*, Newcastle University, *The Biopolitical Origins of Gender Theory.*

1:40 Curtis Pomilia*, University of Kentucky, *Bio-policing risk and the production of healthy space.*

2:00 Emma Lawlor*, University of Arizona, School of Geography and Development, *The Matter of Kidneys in Rural El Salvador.*

1465. Geographies of ethics and the urban: care, habit, phronosis (I)

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Marie-Noëlle Carré; Kathryn Furlong, Université De Montréal; Tatiana Acevedo, Université De Montreal

CHAIR(S): Michaela Busenkell, Ludwig-Maximilians-Universität Munich, Germany

12:40 Natasha L. Cornea*, University of Lausanne, Institute of Geography and Sustainability, *Everyday governance practices and moralities in urban West Bengal.*

12:58 Sarah Marie Hall*, University of Manchester, *Spaces of hope or despair? An ethnography of the ethics, spaces and politics of everyday austerities.*

1:16 Olivia Conniff Molden*, Department of Geography, University of Oregon; Katie Meehan, Dr., Department of Geography, University of Oregon, *The political currency of tradition: water infrastructure and provincial urbanism in the Kathmandu Valley.*

1:34 Marie-Noëlle Carré*, Postdoctoral Fellow, Centre de Recherche en Ethique and Université de Montréal (Montréal), *Phronetic landscapes. Engaging with materiality of ethics and sustainability in metropolitan areas.*

1:52 Michaela Busenkell*, Ludwig-Maximilians-Universität Munich, Germany, *Singapore Idiom: Urban Ethics between the Constructions of Space and Architecture Practices of a Creative City.*

Discussant(s): TATIANA ACEVEDO, Université De Montreal

1466. Measuring Address and Geospatial Data Quality at the Census Bureau

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Michael R. Ratcliffe, U.S. Bureau Of the Census

CHAIR(S): Michael R. Ratcliffe, U.S. Bureau Of the Census

Discussant(s): Michael R. Ratcliffe, U.S. Bureau Of the Census

Panelists: John Liadis, U.S. Bureau Of the Census; Jeffrey Ocker, U.S. Bureau Of the Census; Vincent Osier, U.S. Bureau Of the Census; Tanya Sadrak, U.S. Bureau Of the Census

1467. Material Lives: Resisting Infrastructures and Infrastructures of Resistance (II) (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Monterey I, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Omar Jabary Salamanca, Middle East and North Africa Research Group

CHAIR(S): Timothy Gorman, Cornell University

Panelists: Lazaros Karaliotas, University of Glasgow; Yaffa Truelove, Yale-NUS College; Nuria Del Viso, Fuhem Ecosocial; Timothy Gorman, Cornell University

1468. III. Negotiating the 'creative city': an interactive panel discussion

Room: Monterey II, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Maria Cecilia Dinardi, City University London

CHAIR(S): Maria Cecilia Dinardi, City University London

Introducer: Maria Cecilia Dinardi

Discussant(s): Chris Gibson, University of Wollongong

Panelists: Jenny F. Mbaye, Centre for Culture and the Creative Industries; Thomas A. Hutton, University of British Columbia; Andy Pratt, City University London; Susan M. Christopherson, Cornell University; Max Nathan, London School of Economics

1470. Carceral Geography III: Carceral Mobilities

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Jennifer Turner, University of Leicester;

Dominique Moran, University of Birmingham

CHAIR(S): Dominique Moran, University of Birmingham

12:40 Julie de Dardel*, University of Neuchatel, *Prisons in Colombia at the turn of the 21st century: social and affective continuities within and beyond the carceral space.*

1:00 Luca Follis, PhD*, Law Department, Lancaster University, *Privatization, Externalization and the Carceral Chain: Towards a Political Economy of New Probation Structures in England and Wales.*

1:20 Thomas Disney*, University of Birmingham, *The Emotional and Affective Geography of Prison Visitation.*

1:40 Jennifer Turner*, University of Leicester; Dominique Moran, University of Birmingham; Yvonne Jewkes, University of Brighton, *The colours of custody: Moving towards rehabilitative aesthetics.*

Discussant(s): Dominique Moran, University of Birmingham

1472. Geospatial Analysis of Urban Growth and Ecological Impacts (I) (Sponsored by Remote Sensing Specialty Group, Urban Geography Specialty Group, Biogeography Specialty Group)

Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Xiaojun Yang, Florida State University; Liding Chen, Research Center For Eco-Environmental Sciences,CAS

CHAIR(S): Liding Chen, Research Center For Eco-Environmental Sciences,CAS

12:40 Fang Zhang*, Florida State University; Xiaojun Yang, Florida State University, *Quantifying Spatiotemporal Patterns of Urban Growth and Landscape Changes in Southwestern Florida.*

1:00 Di Shi*, Florida State University; Xiaojun Yang, Florida State University, *Geospatial Analysis of Factors Affecting Vegetation Patterns in the Atlanta Metropolitan Area.*

1:20 Yaling Huang; Jinliang Huang*, Xiamen University, *Spatiotemporal Variations in Riverine Nitrogen Export across a Rural to Urban Gradient in a Coastal Southeast China Watershed.*

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1:40 Pei Zhou*, Xiamen University; Jinliang Huang, Xiamen University; Robert Gilmore Pontius Jr, Clark University; Huasheng Hong, Xiamen University, *New Insight into the Correlations between Land Use and Water Quality in a Coastal Watershed of China: Does Point Source Pollution Weaken It?*.

2:00 Jian Peng*, College of Urban and Environmental Sciences, Peking University; Jing Ma, College of Urban and Environmental Sciences, Peking University, *Correlation between Urban Heat Island and Urban Size across China's 285 Cities*.

1473. Political Geography plenary: John O'Loughlin presents on thirty-five years of political geography and Political Geography -- the good, the bad and the ugly (Sponsored by Political Geography Specialty Group)

Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Philip E. Steinberg, Durham University
CHAIR(S): Philip E. Steinberg, Durham University
Introducer: Philip E. Steinberg

12:45 John O'Loughlin*, University of Colorado, *Thirty-five years of political geography and Political Geography: The good, the bad and the ugly.*

Discussant(s): Anna J Secor, University of Kentucky; Gerard Toal, Virginia Tech; Patrick T. Jackson, American University

1474. Reimagining the urban: Hopeful trajectories for remaking the city I

Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Vitor Peiteado Fernandez, Roskilde University; Ragnhild Claesson, Malmö University; Zahra Hamidi
CHAIR(S): Ragnhild Claesson, Malmö University

12:40 Zsuzsa Kovacs*, Vrije Universiteit Amsterdam, *'Neoliberal' means to hopeful participatory ends? The dynamics of the empowerment of marginalized citizens in Amsterdam East.*

1:00 Jens Kaae Fisker*, University of Southern Denmark, *Reimagining the Urban under a Hijacked Shield of the State.*

1:20 Vitor Peiteado Fernandez*, Roskilde University, *From the right to housing to the right to the city in Spain.*

1:40 Simon Dickinson*, University of Exeter, *The biopolitics of recovery: the modalities of emergent public action post-disaster.*

Discussant(s): Mark Purcell, University of Washington

1475. Gender & GIScience

Room: Paris North, Marker Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Agnieszka Leszczynski, University of Auckland; Britta Ricker, University of Washington
CHAIR(S): Agnieszka Leszczynski, University of Auckland
Discussant(s): Agnieszka Leszczynski, University of Auckland; Matthew W. Wilson, Harvard University; Eric S. Sheppard, UCLA

Panelists: Sarah Elwood, University of Washington; Nadine Schuurman, Simon Fraser University; Renee Sieber, McGill University; Britta Ricker, University of Washington

1477. Race and the Agrarian Question III (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Emma Gaalaas Mullaney, Bucknell University; Levi Van Sant, University of Georgia

CHAIR(S): Emma Gaalaas Mullaney, Bucknell University

12:40 Levi Van Sant*, University of Georgia, *Plantation Geographies: Race, Agriculture, and Science in the South Carolina Lowcountry.*

1:00 Kathryn Gillespie*, University of Washington, *Race, the*

Agrarian Question, and Human-Animal Entanglements at the Louisiana State Penitentiary.

1:20 Hannah Karinna Rogge*, University of California - Berkeley, *Agro-Eugenic Geography.*

1:40 Kate A. Berry*, University of Nevada, Reno; Sue Jackson*, Griffith University, *How White Men were Normalized as Irrigators and Water Citizens: A Pan-Pacific Study of Cultivating Whiteness through Irrigation and Water Law in the Late 19th and Early 20th Centuries.*

Discussant(s): Arun Saldanha, University of Minnesota - Minneapolis

1479. European Migration Crisis II (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Kara Dempsey, Appalachian State University
CHAIR(S): Marta Zorko, Zagreb University

12:40 Marta Zorko, Dr.sc.*, Zagreb University, Faculty of Political Science, *The Raise of Border Fences: New geographies of 'Defense Walls' in Europe.*

1:00 Fiorenza Picozza*, King's College London, *The production of 'refugeeness' within Europe's geographies of asylum.*

1:20 Holger Wilcke*, Humboldt-Universität Berlin, *The Crisis of European Migration Politics.*

1:40 Toby Applegate, PhD*, University of Massachusetts - Amherst, *Cruelty and the Mobile Camp: Slovenia's refugee corridor from Dobova to ?entilj.*

2:00 Charles Heller*, Goldsmiths, University of London, ESRC "Precarious Trajectories" project; Lorenzo Pezzani, Goldsmiths, University of London, ESRC "Precarious Trajectories" project; Simon Parker, University of York, ESRC "Precarious Trajectories" project, *Governing Precarious Trajectories on Land and Sea.*

1480. Dilemmas III: Institutional, Queers, and City Exclusions and Negotiations (Sponsored by Cultural Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Julia De Montigny, Dawson College; Rae Rosenberg

CHAIR(S): Jen Jack Giesecking, Trinity College

12:40 Sarah Schulman*, College of Staten Island, *Conflict Is Not Abuse: HIV Criminalization In Canada.*

1:00 Petra L. Doan*, Florida State University; Tony LaColla, Hillsborough County Planning department; Marissa Salas, Planning consultant, *Ethnicity, Historicity, and Queer Urban Identity: Planning for Inclusive Queer Spaces in the Ybor City neighborhood of Tampa.*

1:20 Amanda C. Micklow, AICP*, Cornell University, *Stagnant Sexualities and Gender in Planning: How Land Use Regulations Reinforce Heteronormativity in the American Metropolis.*

1:40 Ali Bhagat*, Queen's University, *LGBT Asylum Claims: Examining the Limits of Citizenship in post-1994 Cape Town, South Africa.*

2:00 Leah Marion Roberts*, Vanderbilt University; Robert A Marx, Vanderbilt University; Carol T Nixon, PhD, Vanderbilt University; Anjali J Forber-Pratt, PhD, Vanderbilt University, *Advocating for Queer Youth: From Creating Safety to Challenging Heteronormativity in Schools.*

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- 1481. Legal Geographies I: Interrogations of the Nation State: Citizenship, Tribunals and War**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Melinda Harm Benson, University of New Mexico
 CHAIR(S): Melinda Harm Benson, University of New Mexico
 Introducer: Melinda Harm Benson
12:41 David Mcgraw*, James Madison University, *Parting Ways: The Ethics, Law, and Geography of Secession.*
1:01 Rachel Hughes, PhD*, University Of Melbourne, *Hybrid justice? Legal geographies of international(ised) criminal tribunals.*
1:21 Margo Kleinfeld*, University of Wisconsin - Whitewater, *Social vs. Legal Objects: Applying Santos' Concept of "Interlegality" to the Kunduz Hospital Bombing and Other Violations of IHL.*
1:41 John Biersack*, University of Kansas; Nicole Reiz*, University of Kansas; David J. Trimbach, University of Kansas, *Disassembling Citizenship: Negative Performativity and Legal Revocation.*
 Discussant(s): Nicholas Blomley, Simon Fraser University
- 1482. GIS and spatial analysis in energy related research (Sponsored by Geographic Information Science and Systems Specialty Group, Energy and Environment Specialty Group)**
Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Jochen Wendel, European Institute for Energy Research
 CHAIR(S): Jochen Wendel, European Institute for Energy Research
12:40 Bronwyn Lazowski*, University of Waterloo; Paul Parker, Ph.D., University of Waterloo, *In-Home Displays and the Smart Grid: Measuring Household Responses to Consumption Feedback in a Canadian Case Study.*
1:00 Age Poom*, University of Tartu, Estonia, *The impact of the location of university campuses on the activity space and corresponding environmental load of students and academic staff.*
1:20 Erik H Schmidt*, Oak Ridge National Laboratory; Budhendra Bhaduri, PhD, Oak Ridge National Laboratory; Nicholas Nagle, PhD, University of Tennessee, Knoxville; Bruce Ralston, PhD, University of Tennessee, Knoxville, *Classifying Nominal Voltage of Electric Power Transmission Lines Using Remotely-Sensed Data.*
1:40 Jochen Wendel*, European Institute for Energy Research; Alexandru Nichersu, European Institute for Energy Reserach; Syed Monjur Murshed, European Institute for Energy Reserach; Alexander Simons, European Institute for Energy Reserach; Muhammad Saed, European Institute for Energy Reserach; Manfred Wieland, European Institute for Energy Reserach, *GIS energy analysis in smart city approaches.*

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- 1501. Trees in the City 4: Critical issues in Urban Forestry (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Shawn Landry, University of South Florida; Tenley Conway, University of Toronto- Mississauga
 CHAIR(S): Shawn Landry, University of South Florida
 Panelists: Tenley Conway, University of Toronto- Mississauga; Geoffrey Donovan; Christopher Boone, Arizona State University; Lindsay K. Campbell, USDA Forest Service, Northern Research Station; Stephanie Pincetl, UCLA
- 1502. Analytical and Geospatial Approaches to Livelihoods, Vulnerability, and Resilience**
Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Patricia A. Solís, Texas Tech University; Brent McCusker, West Virginia University
 CHAIR(S): Brent McCusker, West Virginia University
2:40 Jong Seo Won*, Department of Geography, SUNY at Buffalo, *An Analysis of Regional Resilience in South Korea.*
3:00 Gregory G. Brown*, University of Queensland, *Implementing Stakeholder Analysis using Spatial Information from Public Participation GIS (PPGIS) and Volunteered Geographic Information (VGI).*
3:20 Jamison F. Conley*, West Virginia University; Brent McCusker, West Virginia University; Park Muhonda, West Virginia University, *Spatial Analysis of Livelihoods.*
3:40 Brent McCusker*, West Virginia University, *Geostatistical Approaches to Livelihood Vulnerability Mapping in Africa and South Asia.*
- 1503. Critical physical geography in practice 2: Re-politicizing physical landscapes and processes**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Rebecca Lave, Indiana University
 CHAIR(S): Rebecca Lave, Indiana University
2:40 Alex W. Peimer, Ph.D. candidate*, University of Illinois, Urbana-Champaign, *Wetland Mitigation by a Different Name?: Section 404 Compensatory Stream Mitigation Banking Activities and Eco-Geomorphic Outcomes in Illinois.*
3:00 Lisa Davis*, University of Alabama; Nicholas R. Haney, ESRI, *Are alluvial benches uniquely tied to human agency in rivers?.*
3:20 Salvatore Engel-DiMauro*, SUNY New Paltz, *An eco-social approach to soil pH variability on cultivated land: A case study from the Drava River floodplain.*
3:40 Gregory Simon*, University of Colorado Denver, *Obscuring 'The Incendiary': The persistent de- and re-politicization of fire and its production.*
4:00 Eve Vogel, PhD*, University of Massachusetts - Amherst; Nicole Gillett, MS, UMass Amherst, *Possible Physical Geographies: Toward a Proliferation of Creative, Progressive and Sustainable Environmental Policy and Management.*
- 1504. Waste Studies III: Food waste**
Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Isabel Urrutia, University of Toronto; Virginia Maclaren, University Of Toronto; Scott Loughheed, Queen's University
 CHAIR(S): Isabel Urrutia, University of Toronto
2:40 Gretchen Lang*, University of Colorado Boulder, *Killing Food: A theater of threat in Russia..*
3:00 Charlotte Spring*, University of Salford, *"No such thing as a free lunch": Expiry dates and technologies of power in UK surplus food redistribution networks.*
3:20 Sahoko Yui, PhD candidate*, UC Davis, *Identifying barriers and motivations of minimizing food waste.*
- 3:40** Laura Moreno*, University of California - Berkeley, *Community-Level Food Waste Measurement: Hybrid Methodologies to Balance Data Needs with Resource Constraints.*
- 4:00** Elise Miranda*, Chatham University, *Integrating Distillery Grain Waste into Consumable Goods as a Means of Food Waste Reduction.*
- 1505. Economic Geography IV - Place-Based and Tailored Policy (Sponsored by Economic Geography Specialty Group)**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA
 CHAIR(S): Dieter Franz Kogler, University College Dublin
2:40 Jeff Boggs*, Brock University, *Collective infrastructure without an anchor firm: the case of St. Catharines' IDM industry..*
3:00 Frank Van Oort*, Utrecht University; Hans Koster, Free University Amsterdam; Fangfang Cheng; Michiel Gerritse, *Place-based policies, firm productivity and displacement effects: Evidence from High-Tech Firms in Shenzhen Science Parks, China.*
3:20 Roman Martin*, CIRCLE, Lund University; Hanna Martin, CIRCLE, Lund University, *Policy Capacities and New Path Development in the Regional Innovation System of Southern Sweden.*
3:40 Jerome Vicente, Professor*, Sciences-Po Toulouse - France, *"Don't throw the baby out with the bath water": Network failures and policy challenges along the life cycle of technology clusters.*
4:00 Jennifer Clark*, Georgia Institute of Technology, *Manufacturing Smart Cities: A Critical Use Case for Regional Policy.*
- 1506. Energy in the SDGs 2: Understanding Sustainable Energy Solutions in the Global South**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Ed Brown, Loughborough University; Sarah L. Jewitt, University Of Nottingham
 CHAIR(S): Sarah L. Jewitt, University Of Nottingham
2:40 Simon Bawakyillenuo*, Simon Bawakyillenuo, Isser, University Of Ghana, Legon, Accra; Innocent Komla Agbelie*, Institute of Statistical, Social and Economic Research (ISSER), *The Nexus between Urbanization and Energy: Contextualizing the Electricity Demand and Consumption in Accra Metro, Ga South, Ga East, Awutu Senya East and Gomoa East Municipalities in Ghana.*
3:00 Innocent Komla Agbelie*, Institute of Statistical, Social and Economic Research (ISSER); Innocent Komla Agbelie, ISSER, University of Ghana, Legon, Accra, *Examining the Knowledge Base of Households on Energy Efficiency Programmes in Ghana and the Level of Participation: The Case of Ga East and Awutu Senya East Municipalities in Ghana.*
3:20 Richard Blanchard, PhD*, Loughborough University; Ed Brown, PhD, Loughborough University; Anna Clements, University of Oxford; Jon Cloke, PhD, Loughborough University; Malcolm McCulloch, PhD, University of Oxford; Alison Mohr, PhD, University of Nottingham, *Bringing economic development and light to those not on the bottom rung of the ladder.*
3:40 Temilade Sesan*, Centre for Petroleum, Energy Economics and Law, University of Ibadan; Charlotte Ray, PhD, University of Nottingham; Mike Clifford, PhD, University of Nottingham; Sarah Jewitt, PhD, University of Nottingham, *Ready, Steady Cook: End User perceptions of Improved Cookstoves.*

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1507. Critical Artscapes / Resilient Artists: Worlding the Discussion on Art and Space (II) (Sponsored by Cultural Geography Specialty Group)

- Room:** Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Jason Luger, King's College London Cities Group; Nathan Bullock, AAHVS; Julie Ren, City University of Hong Kong
CHAIR(S): Nathan Bullock, AAHVS
2:40 Liza Wing Man Kam*, Bauhaus- University of Weimar, *Evolution of Artistic Actions in Hong Kong: from Queen's Pier in 2007 to the Umbrella Movement in 2014.*
3:00 Nabila Alibhai*, inCOMMONS; Yazmany Arboleda, limeSHIFT, *How Colour Replaces Fear: Art Invasions in Kabul, Johannesburg & Nairobi.*
3:20 Davinia Louise Gregory*, University of Warwick, *Dissolving the Mainstream? The arts, UK blackness and intercultural space..*
3:40 Karyn Medina*, University of California - Davis, *The Place of Graffiti Art in São Paulo.*
4:00 Luisa Bravo, Dr. *, City Space Architecture, *#Beirut, Urbanism and I: framing the city through space, identity and conflict.*

1508. Author Meets Critics: Asher Ghertner's Rule by Aesthetics

- Room:** Golden Gate 8, Hilton Hotel, Lobby Level (Panel Session)
ORGANIZER(S): Sharad Chari, University of the Witwatersrand
CHAIR(S): Sharad Chari, University of the Witwatersrand
Introducer: Sharad Chari
Discussant(s): Teresa Caldeira, University of California, Berkeley; D. Asher Ghertner, Rutgers University
Panelists: Lawrence Cohen, University of California - Berkeley; Ryan Centner, London School of Economics; Michael Goldman

1509. Economic Geography

- Room:** Plaza A, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Hamidreza Bakhtiarizadeh, Simon Fraser University
2:40 Abdurahman Mohammed Molu, PhD Candidate*, Ankara University, *Turkey's Knowledge Based Economy: A Comparative Analysis with EU KBE Score.*
3:00 Suat Tuysuz*, Nuri Yavan, *Analyzing the firm competitiveness through using the political and market power of business associations.*
3:20 Giulio Cainelli*, University of Padova; Roberto Ganau, University of Padova and Queen Mary, University of London, *Agglomeration, Heterogeneity and Firm Productivity.*
3:40 Guillermo Bervejillo*, University of British Columbia, *Performing Market Power: Antitrust Regulation and Global Economic Restructuring.*
4:00 Hamidreza Bakhtiarizadeh*, Simon Fraser University; Peter V Hall, Simon Fraser University, *The Effect of Innovation on Income Inequality in Canadian Cities.*

1510. Evolving suburbs, renescent centers II

- Room:** Plaza B, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Guillaume Poirer, Sorbonne University; Yoshimichi Yui, Hiroshima University
CHAIR(S): Tomoko KUBO, Gifu University
2:40 Katrin B. Anacker*, George Mason University, *Analyzing Census Tract Foreclosure Risk Rates for Hispanic Subgroups in the United States.*
3:00 Luc Guillemot*, UC Berkeley, *Urbanity Yearning as a Driver of Change in Urban and Suburban Neighborhoods of the San Francisco Bay Area..*
3:20 Orly Clerge*, Assistant Professor; Orly Clerge, Ph.D., Tufts University, *The Black Ethnobarb.*
3:40 Sophie BUHNIK*, UMR Géographie-cités, University Paris 1 (Panthéon-Sorbonne), *Towards a diversification or a specialization of socio-residential profiles*

in Japan's aging suburbia ? Exploring the socio-residential effects of urban renewal policies in a shrinking suburb of Osaka.

Discussant(s): Christopher Niedt, Hofstra University

1511. Climate Specialty Group Student Paper Competition (Sponsored by Climate Specialty Group)

- Room:** Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Trent Ford, Southern Illinois University
CHAIR(S): Trent Ford, Southern Illinois University
2:40 Nazla Bushra*, Department of Geography and Anthropology, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A.; Robert V. Rohli, Department of Geography and Anthropology, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A.; Nina Lam, Department of Environmental Sciences, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A.; Lei Zou, Department of Environmental Sciences, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A.; Volodymyr Mihunov, Department of Environmental Sciences, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A.; Margaret A. Reams, Department of Environmental Sciences, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A.; Jennifer E. Argote, Department of Environmental Sciences, Louisiana State University, Baton Rouge, LA 70803?4105, U.S.A., *Statistically Downscaled Palmer Drought Severity Index and Palmer Hydrologic Drought Index for Drought Severity and Damage Assessment.*
3:00 Paul Miller, M.S. *, University of Georgia; Thomas Mote, Ph.D., University of Georgia, *The Utility of the Term "Pulse" within the Thunderstorm Mode Nomenclature.*
3:20 Karen Lee Russ, Ph.D. Candidate*, University of Wisconsin-Madison, Dept. of Geography; Larissa E. Back, Ph.D., University of Wisconsin-Madison, Dept. of Atmospheric & Oceanic Sciences, *Thermodynamic vs. Dynamic Hydrological Response to Isolated Paleoclimate Forcings.*
3:40 Michelle E. Saunders*, University of South Florida; Kevin Ash, University of South Florida; J. M. Collins, University of South Florida, *Public Understanding and Use of Weather Radar.*

1512. Social-Ecological Transformation and Human-Environment Interactions in the Amazon

- Room:** Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Michael Waylen, University of Florida; Alexandra Nicole Sabo, University of Florida; David Kaplan, University of Florida
CHAIR(S): Michael Waylen, University of Florida
Panelists: Claudia Stickler, Earth Innovation Institute; Brent Hayes Millikan, International Rivers; Clay Anderson Nunes Chagas, Universidade Federal do Pará; Perz Stephen, University of Florida; Cynthia Simmons, Michigan State University

1513. PQN: Organizing for Life's Work: The Present and Future of Social Reproduction II (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

- Room:** Continental 3, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Yui Hashimoto; Caitlin Henry, University of Toronto
CHAIR(S): Max Andrucki, Temple University
2:40 Hannah Schling*, Kings College London, *Temporalities of social reproduction as resistance.*
3:00 Hillary L Caldwell*, CUNY - Graduate Center, *Methods for Minor Theory: How a homeless-led coalition is reworking the housing question in New York City.*
3:20 Amy K Coplen, MEM*, Portland State University,

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Organizing labor and social reproduction in a Portland fast food chain.

- 3:40** Brian Hennigan, MA Geography*, Syracuse University; Gretchen Purser, PhD Sociology, Syracuse University, *“Work as unto the Lord”: Enhancing Employability in an Evangelical Job-Readiness Program.*
Discussant(s): Sarah Stinard-Kiel, Temple University

- 1517. Reestablishing a Relationship Between Heterodox Economics and Critical Urban and Economic Geography: Critiques of Siloed Critical Geography (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Marshall Feldman, University Of Rhode Island
CHAIR(S): Alex Schafran, University of Leeds
2:40 An Li*, Department of Economics, University of Massachusetts - Amherst, *Production cities and consumer cities - an understanding based on the circulation of capital.*
3:00 Alex Schafran*, University of Leeds, *Urbanization beyond Agglomeration: The urban as economic category and as foundational urban systems.*
3:20 Rainer Kattel*, Columbia University, *Economic Consequences of Location: European Integration and Crisis Recovery Reconsidered.*
3:40 Vamsi Vakulabharanam*, Department of Economics, University of Massachusetts; Zhongjin Li, Department of Economics, University of Massachusetts Amherst, *A Spatial Fix for the Economic Slowdown? New Urbanization in China and India.*
4:00 Richard A. Walker*, University of California-Berkeley, *Why Cities? A Critique of Urban Economics.*

- 1518. In Memory of and Tribute to William I. Woods, 2 (Sponsored by Cultural and Political Ecology Specialty Group, Paleoenvironmental Change Specialty Group)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): William E. Doolittle, University of Texas - Austin; Rolfe Mandel, University of Kansas; Timothy Beach, University of Texas at Austin
CHAIR(S): Rolfe Mandel, University of Kansas
2:40 Timothy Beach*, University of Texas at Austin; Austin Ulmer, Virginia Tech University; Sara Eshleman, University of Texas at Austin; Colin Doyle, University of Texas at Austin; Richard Terry, BYU; Duncan Cook, Australian Catholic University, *William Woods: Soils, Geoarchaeology, and the Tropical Forest Soil Catenas of Northwestern Belize.*
2:55 Samantha Marie Krause*, University of Texas - Austin; Timothy Beach, Professor, University of Texas at Austin; Duncan Cook, Professor, Australian Catholic University; Gerald Islebe, Professor, ECOSUR; Colin Doyle, Master's Student, University of Texas at Austin; Sara Eshleman, BS: Georgetown University, Georgetown University; Sheryl Luzzadder-Beach, Professor and Chair, University of Texas at Austin; Thomas Guderjan, Professor, University of Texas at Tyler, *Geochemical Analysis of Ancient Wetland Soils near the Maya Site of Akab Muklil, Belize.*
3:10 Lilian Rebellato*, Universidade Federal do Oeste do Para, *Diachronic Considerations of Amazonian Land-Use and Pre-Colonial Population Dynamics at Santarem and Belterra - PA, Brazil.*
3:25 Philip Kaijankoski, M.A.*, Far Western Anthropological Research Group; Paul Brandy, M.S., Far Western Anthropological Research Group; Jack Meyer, M.A., Far Western Anthropological Research Group, *Geoarchaeological Wonderland: Human Occupation and Landscape Evolution of the San Francisco Bay Area.*
3:40 Jonathan Boyd Thayn*, Illinois State University, *Prehistoric*

Connections in Northern Bolivia.

- 3:55** Tsai Siu Mui*, University of São Paulo; Fabiana de Souza Cannavan, Dr., CENA-University of São Paulo; Fernanda Mancini Nakamura, M.Sc., CENA-University of São Paulo; Mariana Gomes Germano, Dr., EMBRAPA-CNPSO; Leandro de Souza Fonseca, M.Sc., CENA-University of São Paulo, *Biochar as Active Microbial Niche In Amazonian Dark Earth.*
Discussant(s): Nicholas P. Dunning, University of Cincinnati

- 1519. Speculation, Path Dependency and Financialized Futures 1 (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Christopher Muellerleile, Swansea University; Rachel Weber, University of Illinois At Chicago
CHAIR(S): Rachel Weber, University of Illinois At Chicago
2:40 Thibault Le Corre*, Université Paris 1 Pantheon-La Sorbonne /Géographie-Cités laboratory, *Spacing and mapping ordinary financialization in Paris metropolitan area.*
3:00 Emily Rosenman*, University of British Columbia - Vancouver, BC, *Redefining returns: marketing social futures.*
3:20 Chris Muellerleile*, University of Bristol; Keith Woodward, University of Wisconsin-Madison, *Im-possible Futures: Time, Speculation and Contingency in Financial Derivative Markets.*
3:40 Janelle Knox-Hayes, PhD*, MIT, *The Cultures of Markets: the political economy of climate governance.*
Discussant(s): John Hogan Morris, University College London

- 1520. Health mobilities II: Interrogating the intersection of healthcare, globalization, mobility and commodification (Sponsored by Geographic Perspectives on Women Specialty Group, Health and Medical Geography Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Heidi Kaspar, University of Zurich; Audrey Bochaton, University Paris Ouest Nanterre la Défense
CHAIR(S): Heidi Kaspar, University of Zurich
2:40 Karin van Holten, lic. phil.*, Careum Research, Kalaidos University of Applied Sciences, Department of Health Sciences; Eva Soom Ammann, Dr. phil., Applied Research & Development in Nursing, Bern University of Applied Sciences, *Less professional, but more humane? - Transnationalizing long-term care delivery.*
3:00 Betty Rouland*, Goethe-University Frankfurt, *Emergence Of A Transnational Care Network: Private Services And Libyan Migrants In Sfax (Tunisia).*
3:20 Pierre Nikolov*, Department of Sociology, Stockholm University, *EUropean Remedies - Self-referred Cross-border Healthcare in the European Union.*
3:40 Heidi Kaspar*, University of Zurich, *Radiation vacation?! - Anxious journeys from Uzbekistan to India.*
Discussant(s): Audrey Bochaton, University Paris Ouest Nanterre la Défense

- 1521. HMSGG Peter Gould Student Paper Competition (Sponsored by Health and Medical Geography Specialty Group)**
Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Jessica Finlay, University of Minnesota; Eric M. Delmelle, University of North Carolina at Charlotte
CHAIR(S): Jessica Finlay, University of Minnesota
2:40 Claire M. Hofius*, *Vaccination and Risk: the influence of environmental and social risk on vaccination refusal in California.*
3:00 Claudio Owusu*, Western Michigan University, *Mapping core transmission areas of single and repeating chlamydia and gonorrhoea cases for planning STI interventions in an urban-rural county (2012 - 2014)..*
3:20 Sandy Wong*, University of Illinois at Urbana-Champaign, *The Geography of Medicalized Welfare: A Spatial*

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Analysis of Supplemental Security Income in the U.S., 2000-2010.

A. Tyner, Kent State University; David Boarder Giles, University of Washington; Patricia J. Lopez, Dartmouth College

1522. Critical Sustainabilities IV: Comparative Urban Studies (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Lindsey Dillon, University of California

- Davis; Miriam Greenberg; Rachel Brahinsky, University of San Francisco

CHAIR(S): Lindsey Dillon, University of California - Davis

2:40 Nathan McClintock*, Portland State University; Christiana Miewald, Simon Fraser University; Eugene McCann, Simon Fraser University, *Urban agriculture, policy-making, and contested sustainabilities in Portland and Vancouver: Preliminary results of a relational comparative study.*

3:00 Byron Miller*, University of Calgary; Samuel Moessner, University of Freiburg, *Sustainability Fix versus Unsustainability Fix? Toward a Spatial-Relational Conceptualization of the Contradictions of Urban Growth, Governance, and Practice.*

3:20 Chen Liu*, University of Sheffield; Kristina Diprose, University of Sheffield; Catherine Harris, University of Sheffield; Gill Valentine, University of Sheffield; Robert Vanderbeck, University of Leeds; Jane Plastow, University of Leeds; Katie McQuaid, University of Leeds, *Responsibility to whom? A comparative perspective on generations, consumption and sustainability.*

3:40 Jacklyn Kohon, Ph.D.*, Portland State University, *"And then it goes political": The Contested Political Economy of Planning for Social Sustainability in Urban Neighborhoods.*

Introducer: Miriam Greenberg

1523. The economy of cities: 04 Environmental impacts of cities

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): John Miron, University of Toronto

CHAIR(S): Lenore Lauri Newman, University of the Fraser Valley

2:40 Robert J. Legg, PhD*, Northern Michigan University; Julius Lejju, PhD, Mbarara University of Science and Technology; Caroline Kiwanuka, Mbarara University of Science and Technology; Susan P. Murphy, PhD, Trinity College Dublin, the University of Dublin, *Identifying Heavy Metal Pollution in Selected Urban Wetlands of Lake Victoria, Uganda.*

3:00 Peter R. Craumer*, Florida International University; Hugh Gladwin, Florida International University, *Gentrification in response to potential sea level rise in Miami.*

3:20 Christopher Hartmann, MA*, The Ohio State University, *Social and economic impacts on waste pickers after modernization and privatization of municipal solid waste site in Managua, Nicaragua.*

3:40 Kelli Marie Archie, PhD*, Victoria University of Wellington, New Zealand, *Climate change in New Zealand communities: Examining reports of local scale adaptation and mitigation planning and action.*

4:00 Lenore Lauri Newman*, University of the Fraser Valley, *Contested edges: Land use, the global urban real estate rush, and the rural/urban fringe..*

1524. Theorizing Economies of Death

Room: Imperial A, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Kathryn Gillespie, University of Washington; Patricia J. Lopez, Dartmouth College

CHAIR(S): Kathryn Gillespie, University of Washington

Introducer: Kathryn Gillespie

Panelists: Jennifer Fluri, University of Colorado, Boulder; James

1525. Geography and Literature III: Fictive Geographies and Literary Facts (Sponsored by Graduate Student Affinity Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Abdul Aijaz, Indiana University; Jessie Speer; Jacqueline Diagneault, University of Minnesota - Minneapolis

CHAIR(S): James Kneale, Department of Geography, University College London

2:40 Shangrila Joshi Wynn*, The Evergreen State College; Leonard Schwartz, The Evergreen State College, *The Poetics and Politics of Nature: An Interdisciplinary Exploration of Ecological Consciousness and Environmental Politics.*

3:00 Jacqueline Diagneault*, University of Minnesota - Minneapolis, *Literary Geographies of Development.*

3:20 Eric Magrane*, University of Arizona, *Reading Indigenous Eco-poetics and the Geographies and Poetics of Climate Change.*

3:40 David Callenberger*, University of Wisconsin, Madison, *Borderless Disaster: Bodies, Buildings, and 9/11.*

Discussant(s): James Kneale, Department of Geography, University College London

1526. Geographers in School Enrollment Forecasting and Demography (Sponsored by AAG Jobs and Careers Theme, Population Specialty Group)

Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Matthew Ryan Cartlidge, Prince William County Public Schools; Deane R. Lycan, Portland State Univ

CHAIR(S): Matthew Ryan Cartlidge, Prince William County Public Schools

Discussant(s): Charles Rynerson, Portland State University; Jerome N. McKibben, McKibben Demographic Research; Sam Adamo; J. M. Pogodzinski, San Jose State University; Matthew Ryan Cartlidge, Prince William County Public Schools; Jeanne Gobalet, Lapkoff & Gobalet Demographic Research, Inc.

1527. Preparing Geography Students for the 21st Century Workforce (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group)

Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Niem Huynh, American Association of Geographers

CHAIR(S): Niem Huynh, American Association of Geographers

Panelists: Michael N. Solem, American Association of Geographers; Joseph J. Kerski, Esri; Niem Huynh, American Association of Geographers

1528. Beyond the Armchair 2: Tips and Strategies for Teaching an International Geography Field Course (Sponsored by Geography Education Specialty Group)

Room: Union Square 1, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Hillary Hamann, University of Denver; Kelly Lemmons, Tarleton State University; Sarah Goggin, Cypress College

CHAIR(S): Hillary Hamann, University of Denver

Discussant(s): Darren Ruddell, University of Southern California

Panelists: Curtis D. Holder, University Of Colorado, Colorado Springs; Nancy Hoalst-Pullen, Kennesaw State University; Chris McMorran, National University of Singapore; Timothy L. Hawthorne, University of Central Florida; Hillary Hamann, University of Denver

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- 1529. Spatial Data Mining and Big Data Analytics (4) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Caglar Koylu, University of Iowa; Olufemi Omitaomu, Oak Ridge National Laboratory; Diansheng Guo, University Of South Carolina
CHAIR(S): Olufemi Omitaomu, Oak Ridge National Laboratory
2:40 Yuqin Jiang*, University of South Carolina; Diansheng Guo, University of South Carolina, *Measuring Accessibility in Urban Area: A Big Data Approach.*
3:00 Asad Yarahmadi, PhD student*, Laboratory of Environmental Geosimulation (LEDGE), Department of Geography, University of Montreal, Montreal, Quebec, Canada; Liliana Perez, Assistant professor, Laboratory of Environmental Geosimulation (LEDGE), Department of Geography, University of Montreal, Montreal, Quebec, Canada, *Spatial Big Data for an Effective Use of Railways: the case of Iranian railway system.*
3:20 Rui Zhu*, University of California - Santa Barbara, *Gazetteer Place Matching using Spatial Analysis.*
3:40 Nilufer Sari Aslam*, University College London; Tao Cheng, University College London; James Cheshire, University College London, *Analysis of Demand Dynamics in London Bicycle Sharing System.*
4:00 Kristian Hegner Reinau, Associate Professor*, Department of Civil Engineering Aalborg University; Niels Agerholm, Associate Professor, Department of Civil Engineering, Aalborg University; Harry Lahrmann, Associate Professor, Department of Civil Engineering, Aalborg University, *Big Data in Transport Geography: Estimating the quality of Smart Card Data.*
- 1530. New themes in international skilled migration research 2: international students (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh; Heike Joens, Loughborough University
CHAIR(S): Micheline Van Riemsdijk, University of Tennessee
2:40 Heike Alberts*, University of Wisconsin-Oshkosh, *Why Here? International Students' Choice of Destination.*
3:00 Wan Yu*, Binghamton University, *Return Intentions and Return Migrations of Chinese Skilled Migrants During The Transition Period In The United States.*
3:20 Christof Van Mol*, Netherlands Interdisciplinary Demographic Institute / KNAW / UG, *The spatial distribution of Erasmus student mobility.*
3:40 Alma Maldonado*, Centro de Investigación y Estudios Avanzados del IPN, *Why short term student mobility matters for skilled migration and semi-rural regions' development?.*
Discussant(s): Heike Joens, Loughborough University
- 1531. Land, Justice and Agrifood Movements II: Trajectories and Tensions (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Katheryn Michelle Glowa; Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition; Antonio Roman-Alcalá
CHAIR(S): Antonio Roman-Alcalá
2:40 Leslie Gray*, Santa Clara University, *Urban Agriculture and the Land Question: The Spatial Politics of Urban Agrifood Movements.*
3:00 Hannah Wittman*, University of British Columbia; J. Dennis, University of British Columbia; Heather Pritchard, FarmFolkCityFolk, *Beyond Market Ideologies: New Agrarianism, Food Sovereignty and Farmland Protection in British Columbia.*
- 3:20** Caitlin Hachmyer, MA*, Red H Farm, *The Institutionalization of Food Movement Projects and the Role of Land Rights in Social Transformation - Stories from Boston and Philadelphia.*
Introducer: Antonio Roman-Alcalá
Discussant(s): Katheryn Michelle Glowa
- 1532. Creative Approaches to Researching Religion in the City 2: Exploring Faith through Participatory Public-Engagement Art (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Laura Cuch, University College London; Natalie Hyacinth; Justin Tse, University of Washington
CHAIR(S): Natalie Hyacinth
2:40 Nadia Bartolini*, University of Exeter; Steve Pile*, The Open University, *The "Talking with the Dead" exhibition: Spiritualism in Stoke-on-Trent.*
3:00 Claire Dwyer*, UNIVERSITY COLLEGE, LONDON; David Gilbert, Royal Holloway, University of London; Nazneen Ahmed, University College London, *Inventing a space for faith: experiments from West London.*
3:20 Julia M. Lourenco*, University of Minho; Nancy Duxbury, CES, Centre for Social Studies, Associate Laboratory, University of Coimbra, *Performance Research in Inter-Religious Knowledge: the case of Prayer Beads Exhibits.*
3:40 Laura Cuch*, University College London, *Making Suburban Faith: A visual exploration of "domestic" everyday practices in congregational spaces..*
Discussant(s): Harriet Hawkins, Royal Holloway, University of London
- 1533. Environmental Justice and Environmental Disasters II (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Dean Kyne, The University of Texas Rio Grande Valley; Bob Bolin, Arizona State University
CHAIR(S): Bob Bolin, Arizona State University
Introducer: Dean Kyne
2:45 K. Whitney Mauer, Ph.D.*, Hobart & William Smith Colleges, *Environmental (In)justice and Indigenous, Territorial sovereignty: Examining River Restoration along the Elwha River.*
3:05 Xiao-jiang Li*, Department of Geography, University of Connecticut, Storrs, *Environmental inequities in terms of different types of urban greenery in Hartford, Connecticut.*
3:25 Tianna Bruno*, Texas A&M University, *Market Environmental Justice.*
Discussant(s): Bob Bolin, Arizona State University
- 1534. (Re)Defining the Contemporary Globalizing City I**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Kris Bezdecny, Wright State University - Dayton, OH; Kevin W. Archer, Central Washington University
CHAIR(S): Kevin W. Archer, Central Washington University
2:40 Kris Bezdecny*, California State University, Los Angeles, *Blind People and the Urban Elephant: Theming the Early 21st Century City.*
3:00 Ståle Holgersen*, Institute for Housing and Urban Research, Uppsala University, Sweden, *After the post-industrial city.*
3:20 Anjali Ganapathy, Ph.D. Student*, University of Minnesota - Minneapolis, *Contested Geometries: Premodern Space in the Contemporary Global City.*
3:40 Matthew A. Weintraub*, *The Postmodern Conundrum of Historic Preservation.*

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- 4:00** Kevin W. Archer*, Central Washington University, *Imagining the 21st Century Globalizing City: Post-Industrial? Post-Modern? Post-Sustainable? Post-Theory?*.
- 1537. Hazards and GIScience - II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Michael E. Hodgson, University of South Carolina; Tom Cova, University of Utah
 CHAIR(S): Tom Cova, University of Utah
2:40 Kira Sullivan-Wiley*, Boston University, *Incorporating local participatory mapping to improve digital hazard maps: Toward a better understanding of adaptation and resilience in a hazard-prone region of eastern Uganda.*
3:00 Thomas J Cova, Ph.D.*, Department of Geography, University of Utah; Dapeng Li, Department of Geography, University of Utah; Philip E. Dennison, Ph.D., Department of Geography, University of Utah, *Spatio-temporal representation issues in modeling evacuation warning triggers.*
3:20 Yingxie Li*, University of Utah; Thomas J. Cova, University of Utah; Ming-Hsiang Tsou, San Diego State University, *A Web-GIS Application for House Loss Notification in Wildfires.*
3:40 Mélanie Vallui*, Université de Cergy-Pontoise, *Assessing the vulnerability of natural gas networks in the case of floods.*
4:00 Zhengtao Zhang*, Beijing Normal University; Ning Li, Beijing Normal University, *The influence of different spatial resolution of underlying surface data and algorithm selection on flood disaster risk assessment.*
- 1538. Geographies of Media III: "California, I'll be Knocking on the Golden Door": Geographical Thought in the Grateful Dead's Legacy (Sponsored by Rural Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Hannah Gunderman, University of Tennessee, Knoxville; Joseph Palis, University of the Philippines-Diliman
 CHAIR(S): Hannah Gunderman, University of Tennessee, Knoxville
 Discussant(s): James Craine, California State University Northridge
 Panelists: Lily A. House-Peters, University of Arizona; Christopher W. Post, Kent State University; Zachary Paul Sugg, University of Arizona School of Geography and Development; Jared Beeton, Adams State University; Clark Akatiff, City of Palo Alto
- 1539. Rural-Urban Investments and Socio-Infrastructures in Southern Africa and Beyond (Sponsored by Urban Geography Specialty Group, Africa Specialty Group)**
Room: *Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Sian Butcher, University of Minnesota; Alicia Hayashi Lazzarini, University of Minnesota - Minneapolis
 CHAIR(S): Alicia Hayashi Lazzarini, University of Minnesota - Minneapolis
2:40 Noeleen Frances Murray, Professor*, University of the Witwatersrand; Noeleen Murray, Professor, Wits City Institute, University of the Witwatersrand, Johannesburg, South Africa, *No Cities.*
3:00 Sian Butcher*, University of Minnesota, *Investing in 'Affordable' Suburbia: New money, old monopolies at work on Johannesburg's edge.*
- 3:20** Alicia Hayashi Lazzarini, PhD Candidate, University of Minnesota*, University of Minnesota - Minneapolis, *Urban Linkages in the Making of Southern Mozambican Agrarian Space.*
 Discussant(s): Rohit Negi, Ambedkar University Delhi
- 1540. Symposium on Human Dynamics Research: Social Media and Big Data II (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: *Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Jiue-An Jay Yang, San Diego State University; Ming-Hsiang Tsou, San Diego State University; Atsushi Nara, San Diego State University
 CHAIR(S): Atsushi Nara, San Diego State University
2:40 Jonathan Cinnamon*, University of Exeter; Sarah Jones, MapAction; Neil Adger, University of Exeter, *Practices, potential and problems in using mobile phone data for disease-related disaster response.*
3:00 Xuebin Wei*, James Madison University, *Analyzing Location-Based Social Media Activities in Spatial-Social Dimension.*
3:20 Jae Hyun Lee*, UC Santa Barbara; Adam W. Davis, UC Santa Barbara; Seo Youn Yoon, Korea Research Institute for Human Settlements; Konstadinos G. Goulias, UC Santa Barbara, *Activity Space Estimation with Longitudinal Observations of Social Media Data.*
3:40 Jiaoli Chen*, University of Tennessee; Shih-Lung Shaw, Ph.D., The University of Tennessee, *Estimating Place Extent from Geotagged Photos Using Kernel Density Estimation with Consideration of Photo Representativeness.*
4:00 Joey Ying Lee*, San Diego State University, *Mapping and analyzing of tourist hot spots based on photo-sharing service data.*
- 1541. Tourism and Economic Development (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Patrick Brouder, Brock University
 CHAIR(S): Basheer Alshammari, University of Cincinnati
2:40 Elena Givental, Ph.D.*, CSU East Bay; Ana Rivera, CSU East Bay, *Puerto Rico: Economic Reality behind the Tourist Façade.*
3:00 Courtney Kietzer*, Minnesota State University Mankato, *A GIS Approach to Analyzing The Economic Impact of a Regional Sports Facility.*
3:20 ASUNCION BLANCO-ROMERO*, Universidad Autónoma De Barcelona, *Tourist Microenterprises, An Alternative For Kichwa Communities Of East Ecuador Development?.*
3:40 Basheer Alshammari*, University of Cincinnati, *Outbound tourism of saudi Arabia.*
- 1542. Emotional Political Ecologies I (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Indigenous Peoples Specialty Group)**
Room: *Union Square 15, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Farhana Sultana, Syracuse University; Marien González Hidalgo
 CHAIR(S): Farhana Sultana, Syracuse University
 Introducer: Farhana Sultana
 Panelists: Marien González Hidalgo; Neera Singh, University of Toronto; Julia Haggerty, Montana State Univ; Julianne A. Hazlewood, Trent-in-Ecuador, Trent University; Neil Nunn, University of Toronto
- 1543. Climate Change and Indigenous Peoples II (Sponsored by Human Dimensions of Global Change Specialty Group, Indigenous Peoples Specialty Group)**
Room: *Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*

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ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): RDK Herman, National Museum of the American Indian
2:40 Matt Fuller*, Evergreen State College, *From the Thin Green Line: Tribal/Non-Tribal alliances from the frontlines of opposition to fossil fuel megaprojects and infrastructure in the Pacific Northwest.*
3:00 John Richard Campbell*, University of Waikato, *Theorising climate change and migration in and from Pacific Island.*
3:20 Jacquelyn Jampolsky*, Berkeley Williams LLP, *Tribal (Solar) Power.*
 Discussant(s): RDK Herman, National Museum of the American Indian

1544. Topics in Migration (Sponsored by Population Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Seth E. Spielman, University of Colorado
 CHAIR(S): Seth E. Spielman, University of Colorado
2:40 STEFANIA RIMOLDI*, University of Milan Bicocca; Laura Terzera, University of Milano Bicocca; Frank Heins, IRPPS-CNR, *Rediscovering the Population Center to Analyze the Settlement Path of Foreigners in Italy.*
3:00 Rosalia Avila-Tàpies, Dr*, Institute for the Study of Humanities & Social Sciences, Doshisha University, Japan; Jordi Bayona-i-Carrasco, Dr, Centre d'Estudis Demogràfics and Departament de Geografia Humana, Universitat de Barcelona, Spain; Jenniffer Thiers Quintana, Departament de Geografia Humana, Universitat de Barcelona, Spain, *Economic recession and the reverse of internal migration flows of the Latin American-born population in Spain: The return to the metropolises..*
3:20 Michael Babb*, University of Washington, *A Spatial Interaction Approach to County to County Migration in the US, 2004 - 2010.*
3:40 Sang-Il Lee*, Seoul National University; Daehoon Cho, Catholic Kwandong University, *Measuring Internal Migration in South Korea for Cross-National Comparison.*
4:00 Guadalupe Correa-Cabrera, PhD, University of Texas Rio Grande Valley; Maria Fernanda Machuca, MA, University of Texas Rio Grande Valley; Dawid Wladyka, PhD*, University of Texas Rio Grande Valley, *Mapping the Trafficking in Persons along Mexico's Eastern Migration Routes.*

1545. Drawing Lessons from Regulatory and Collaborative Approaches to Water Management in Western United States and Canada: Part 1 (Sponsored by Water Resources Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Esther Conrad, Stanford University
 CHAIR(S): Tara Moran, Stanford University
2:40 Debra Perrone*, Stanford University; Rebecca Nelson, Stanford University, University of Melbourne, *The Western 17 States and Their Special Management Areas: A Legal Analysis of Groundwater Policies.*
3:00 Nicola Ulibarri, PhD*, Stanford University, *Collaboration in a Time of Scarcity: Hydropower Dam Relicensing During Extreme Drought.*
3:20 Esther Conrad, PhD*, Stanford Law School Gould Center for Conflict Resolution and Water in the West Program, Stanford University, *Regulating collaboration? Tensions between hierarchical and collaborative governance modes in California water governance.*
3:40 Iris Hui*, Stanford University, *Evolution of Collaborative Governance: The Case of Integrated Regional Water Management in San Diego.*

4:00 Thomas Favre-Bulle*, École Polytechnique Fédérale de Lausanne, *Is policy coordination the key to metropolitan collaboration on land-use, water and transportation? Individual support for collaboration between local governments in Californian metropolitan areas..*

1546. Neighborhood Dynamics 2: Socioeconomic\ Multidimensional Changes (Sponsored by Urban Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Kevin Kane, University of California, Irvine
2:40 Elizabeth C Delmelle, Ph.D.*, University of North Carolina at Charlotte, *Differentiating Pathways of Neighborhood Change in 50 U.S. Cities, 1980-2010.*
3:00 William Rawson Bredemeyer*, University of Colorado Boulder, Department of Geography, *Persistence and Change Among Distressed Urban Neighborhoods in the U.S..*
3:20 Renaud Le Goix*, Université Paris-Diderot, *Socio-economic neighborhood dynamics in post-suburbia (Los Angeles metropolitan region 1980-2010)..*
3:40 Joseph J. Danko III*, University of Connecticut, *The Local Socioeconomic Impact of Leisure-Based Redevelopments in Detroit and Las Vegas, 1990-2010: Insights from Shift-Share Analyses.*
4:00 Kevin Kane*, University of California, Irvine, *The Changing Locus of Employment in Los Angeles from 1997-2014: New Approaches Toward Concentration and Dispersion.*

1547. Sex and the City: Reactionism, Resistance and Revolt I - Performance, Production & Politics (Sponsored by Sexuality and Space Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Clarissa Smith, University of Sunderland; Emily Cooper, Northumbria University
 CHAIR(S): Paul J. Maginn, University of Western Australia
2:40 Zahra Stardust*, University of New South Wales, *Queer feminist pornography as a social movement: Protest, resistance and radical politics.*
3:00 Gemma Commane*, Birmingham City University; Gemma Commane, Dr, Birmingham School of Media, Birmingham City University, *RubberDoll: The Queer Art of Failure and the Significance of Sexual Otherness.*
3:20 Clarissa Smith*, University of Sunderland, *"Because life without porn would be boring." Thinking about Young People, Pornography and Everyday Spaces.*
3:40 Lucy Neville, BA (Hons), MSc, PhD, PGCE*, Middlesex University, *A Forum Of One's Own: Female Slash Writers And Online Embodiment.*
 Discussant(s): Paul J. Maginn, University of Western Australia

1548. How much is enough? Facing up to the scale of the decarbonization challenge in urban mobility (Sponsored by Energy and Environment Specialty Group, Transportation Geography Specialty Group)

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Robin Lovelace, University of Leeds; Stewart Barr, University of Exeter
 CHAIR(S): Robin Lovelace, University of Leeds
2:40 Ian Philips, Ph.D*, University of Leeds; Ian Philips, Ph.D, University of Leeds, *Estimating capacity to decarbonise urban mobility: The temporal change in capacity to make walking and cycling trips.*
3:00 Tim Schwanen*, University of Oxford, *Few reasons for optimism? Transport research and the super-wicked problem of climate change.*
3:20 Marianne Knapskog*, Norwegian University of Science

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- and Technology, *Accessibility in Norwegian Urban Planning*.
- 3:40** Stewart Barr*, University of Exeter, *Low carbon urbanism: the limitations of relying on 'smart' behaviour change*.
- 1549. The Political Forest II: Governance, Expertise, and Resistance**
Room: *Union Square 22, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Jennifer Baca, Bowdoin College - Brunswick, ME; Jennifer Devine, Texas State University - San Marcos
 CHAIR(S): Jennifer Baca, Bowdoin College - Brunswick, ME
2:40 Andrew Mathews, Associate Professor, Anthropology*, Department of Anthropology, UC Santa Cruz, *Modeling Forests and Doing Biomass Energy Politics in Italy*.
3:00 Jenny E Goldstein, PhD*, Cornell University, *Smoke and mirrors in the politics of mapping Indonesia's subterranean peat forest fires*.
3:20 Martin C. Lukas*, Bremen University, Sustainability Research Center (artec), *Transformation and persistence in Java's political forests*.
3:40 Judith Verweijen*, Nordic Africa Institute; Esther Marijnen, Institute for European Studies, Vrije Universiteit Brussel, *Securitizing Forests: Conservation and Counterinsurgency in the Virunga National Park, Eastern DR Congo*.
 Discussant(s): Nancy Lee Peluso, University of California; Peter Vandergeest, York University
- 1550. Green infrastructure: Theory and Practice 2 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: *Union Square 25, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Sara Meerow, University of Michigan; Joshua P. Newell, University of Michigan
 CHAIR(S): Sara Meerow, University of Michigan
2:40 Julie Cidell*, University of Illinois, *Making Green Infrastructure Visible in Chicago and Melbourne*.
3:00 V. Kelly Turner*, Kent State University, *Institutional dimensions of urban design and ecosystem service delivery in a green infrastructure retrofit program*.
3:20 Melissa Keeley, Dr. of Engineering*, George Washington University; Lisa M. Benton-Short*, The George Washington University, *Planning for Green: Green Space in Urban Sustainability Plans*.
3:40 Megan Heckert*, West Chester University; Christina Rosan, Temple University, *Creation of an Equity Index to Guide Green Stormwater Infrastructure Investment*.
 Discussant(s): Michael H. Finewood, Pace University
- 1551. Climate, Weather and Mobility II**
Room: *Mason A, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Lars Bocker; Tanu Priya Uteng, Institute of Transport Economics; Chengxi Liu, KTH Royal Institute of Technology
 CHAIR(S): Tanu Priya Uteng, Institute of Transport Economics
2:40 Chengxi Liu*, KTH Royal Institute of Technology; Yusak O Susilo, KTH Royal Institute of Technology; Nursitihazlin Ahmad Termida, KTH Royal Institute of Technology, *Exploring spatial variation of the effects of subjective weather perception on leisure activity participation considering space-time constraints and state-dependence*.
3:00 Saif Shabou*, University of Grenoble; Isabelle Ruin, CNRS, LTHE, F-38000 Grenoble, France; Céline Lutoff, Univ. Grenoble Alpes, PACTE, F-38000 Grenoble, France; Samuel Debionne, CNRS, LTHE, F-38000 Grenoble, France; Jean Dominique Creutin, CNRS, LTHE, F-38000 Grenoble, France, *Assessment of motorists' exposure to flash flood in the Gard region: Integrating travel-activity adaptation behaviours and decision-making processes*.
3:20 William Brazil*, TCD; Brian Caulfield, TCD; Maria Noyal, TCD; Alan O'Connor, TCD, *The Impact of Extreme Weather on Transport: The Tale of Two Storms*.
3:40 Yinan Zhang*, University of Arizona; Daoqin Tong, University of Arizona, *A Pre-Flood Vulnerability Analysis of Transportation Networks: A Case Study in Tucson, Arizona*.
 Discussant(s): Lars Bocker
- 1552. Home: Critical Geographies of the Home(land) II - law, settlement, dispossession (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Mason B, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Sara N. Hughes, University of California - Los Angeles; Maegan Miller, CUNY - Graduate Center
 CHAIR(S): Maegan Miller, CUNY - Graduate Center
2:40 Sara N. Hughes, C.Phil*, University of California - Los Angeles, *Suburban occupation: constructing "home" in West Bank settlements*.
2:55 Jackson Smith*, New York University, *Homes as "Imminent Threats": Civil Asset Forfeiture and the Politics of Dispossession in Philadelphia*.
3:10 Jessica Hallenbeck*, University of British Columbia, *The Lawlessness of Settler Colonial Dispossession: Commissions, Archives, and Gender Violence*.
3:25 Megan Ybarra*, University of Washington, *Locking in: Intimate politics of activism*.
3:40 Maegan Miller*, CUNY - Graduate Center, *Domestic Lawfare and the Constitutional Patchwork of the U.S. Homeland Security State*.
 Discussant(s): Jenna M. Loyd, University of Wisconsin-Milwaukee
- 1553. Asia Symposium: Memorialization, Citizenship, and Urban Identity (Sponsored by Political Geography Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Powell Room A, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Michael R. Glass, University of Pittsburgh
 CHAIR(S): Michael R. Glass, University of Pittsburgh
2:40 Holly Barcus*, Macalester College, *Narratives of Environment and Identity: Place-Making in Mongolia*.
3:00 Michael R. Glass*, University of Pittsburgh, *Planning Galleries as Sites of Assertion and Aspiration - The Singapore City Gallery*.
3:20 Orhon Myadar*, University of Arizona, School of Geography and Development, *Territorializing national identity in cityscape: Changing urban landscapes of post-socialist Mongolia*.
3:40 Unna I. Lassiter, PhD*, California State University Long Beach, *Place and memory in Tangalle, Sri Lanka: a Photographic-Essay*.
 Discussant(s): Natalie R. Koch, Syracuse University
- 1554. Shifting the Frontiers of Eurasia (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Asian Geography Specialty Group)**
Room: *Powell Room B, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Andrew Grant; Mia Bennett
 CHAIR(S): Alexander C. Diener, University of Kansas
2:40 Andrew Grant*, UCLA, *Railways West: Reimagining the nature of China's west*.
3:00 Mia M. Bennett*, University of California, Los Angeles, *Torched Earth: Dimensions of Extraterritorial Nationalism in the Chinese and Russian Olympic Torch Relays*.
3:20 Alexander C. Diener*, University of Kansas, *Mongolian Mobilities: Roads and Development in the Land of Blue Sky*.
3:40 Egor N. Ivanov*, Institute of geography SB RAS, *Recreational opportunities of modern glaciations'*

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areas of Near-Baikal Mountains.

Discussant(s): Stanley Toops, Miami University

1555. Urbanization in South and Southeast Asia - Paper Session 2 (Sponsored by Asian Geography Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Gargi Chaudhuri, University of Wisconsin La Crosse

CHAIR(S): Gargi Chaudhuri, University of Wisconsin La Crosse

2:40 Carmel Christy, K J*, Kamala Nehru College, University of Delhi; Carmel Christy, K J, Kamala Nehru College, University of Delhi, *Narrating Life: Spaces and Subjects.*

3:00 Samayita Bandyopadhyay*, Oklahoma State University, *Coping with growing urbanization in the hill town of Kurseong, India.*

3:20 Prasad Khanolkar*, University of Toronto, *Kaminey: Scoundrels, Toilets and Urban Politics in Slums of Mumbai.*

3:40 Diana Mitlin*, University of Manchester, International Institute for Environment and Development, *Understanding inclusive cities: insights from India.*

4:00 Prajna Rao, PhD student*, University of British Columbia, Vancouver, *skywalk inter-ruptures.*

1556. Critical Logistics II: Assembling Logistical Lives (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Spencer L. Cox, University of Minnesota; Beth Gutelius, University of Illinois at Chicago

CHAIR(S): Spencer L. Cox, University of Minnesota

2:40 Weiqiang Lin*, National University of Singapore, *Assembling In-Flight Meals: The Logistics of Airline Food.*

3:00 Wesley Llewellyn Attewell, Dr.*, The University of Toronto, *"Logistics is the lifeline": Counterinsurgency logistics and the Vietnam War.*

3:20 Karine Cote-Boucher*, Universite de Montreal, *"The truck stop is closing": logistics, labor surveillance and the atomization of truck driving.*

3:40 Elizabeth Sibilia*, Graduate Center, City University of New York, *"The logistics of managing waste in the production of secondary shipbreaking markets".*

1557. Asia Symposium: Research on Contemporary and Colonial India (Sponsored by Asian Geography Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Michael R. Glass, University of Pittsburgh

CHAIR(S): Rachel Sturman, Bowdoin College Brunswick, ME

2:40 Elizabeth Louis*, Landesa, *Coping and Precarity in Telengana: An Ethnography of Agrarian Change in the Era of Neoliberalism.*

3:00 Anil Pal*, DBS (Post Graduate)College, Dehradun, Uttarakhand, India; Brijesh Kumar Pal, H.N.B.Garhwal University, Srinagar, Garhwal, *Spatial Distribution and Morphology of Slums in Dehradun City, Uttarakhand, India.*

3:20 Ramesh C. Dhussa*, Drake University, *Rural Landscapes Of Colonial India As Evoked In Native Literature.*

3:40 SAHAB DEEN*, Jawaharlal Nehru University, *Violation of Human Rights and Dignity of Dalit Women in India.*

4:00 Rachel Sturman, Ph.D.*, Bowdoin College Brunswick, ME, *Toward a History of Urban Infrastructural Development in Late-Colonial Bombay.*

1558. Asia Symposium: Development and Sustainability in Asia (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Michael R. Glass, University of Pittsburgh

CHAIR(S): Yves A. Boquet, Université De Bourgogne

2:40 John Bowen*, Central Washington University, *Lions and Tigers in the Air: Low-Cost Carriers and the Remaking of Southeast Asia.*

3:00 Bidita Jawher Tithi*, University of California, *Whose Knowledge? A Political Ecological Investigation of the Discursive Sites of Climate Change Knowledge Production and Exchange in Bangladesh.*

3:20 Yves A. Boquet*, Université De Bourgogne, *Smart sustainability challenges in Manila, Philippines.*

3:40 JUNG JI HEE*, Seoul National University, *Development of Multi-Ethnic Consumption Space and Regional Revitalization in Itaewon, South Korea.*

4:00 JaeHee Hwang, Seoul National University; Seongwoo Lee*, Seoul National University, *An Ex-Post Quantitative Evaluation of the Rural Development Policy in Korea: Application of Spatial Econometrics Model with Decomposition Method.*

1559. Interrogating the Anthropocene in the Himalayan Region: Hazards, Infrastructure and Environmental Justice - II (Sponsored by Asian Geography Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Mabel Gergan; Mitul Baruah, Syracuse University

CHAIR(S): Mabel Gergan

2:40 Mitul Baruah*, Syracuse University, *Hazardscape and rural livelihoods transformations in the Brahmaputra valley, India.*

3:00 Costanza Rampini*, UCSC, Environmental Studies Department, *The proletarianization of Northeast India's floodplains as a result of hydropower development and climate change impacts along the Brahmaputra.*

3:20 Luisa Cortesi*, *Political epistemologies: categories of governance in water-related knowledge production in North Bihar, India.*

3:40 Dhananjaya Katju*, Texas A&M University, *Illicit logging as informal economy: Timber extraction and governance of the Manas Tiger Reserve (Assam, India).*

Discussant(s): Sara H. Smith, University of North Carolina

1560. Asia Symposium: Research on Energy & Environment (Sponsored by Asian Geography Specialty Group, Energy and Environment Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Michael R. Glass, University of Pittsburgh

CHAIR(S): Mirza Sadaqat Huda, University of Queensland

2:40 Sunyurp Park*, Pusan National University (Geography), *Decadal Records of Satellite-Measured Aerosol Optical Thickness and Its Geographic Characteristics in Korea.*

3:00 Mirza Sadaqat Huda*, University of Queensland, *Conceptualizing Regional Cooperation on Energy in South Asia: Challenges in Implementing Transnational Pipelines and Electricity Grids.*

3:20 Yi-Chen Wang*, National University of Singapore; Roy Yuen, National University of Singapore, *Investigating Habitat Connectivity of the Definitive and First Intermediate Hosts of Southeast Asian Liver Fluke.*

3:40 Abhishek Kumar*, University of Georgia; Abhishek Kumar, Department of Geography, University of Georgia, Athens, Georgia-30602, USA; Deepak R. Mishra, Department of Geography, University of Georgia, Athens, Georgia-30602, USA; Sk. Md. Equeenuddin, Department of Earth & Atmospheric Sciences, National Institute of Technology, Rourkela-769008, Odisha, India, *Differential Impact of Anniversary Cyclones on a Coastal Lagoon.*

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- 1562. Critical policy mobilities: thickening theorizations of circulated knowledge (i) (Sponsored by Urban Geography Specialty Group)**
Room: *Mendocino I, Hotel Nikko, 2nd Floor* (Paper Session)
 ORGANIZER(S): Astrid Wood, University College London
 CHAIR(S): Astrid Wood, University College London
 2:40 Megan Brown*, University of Washington, *The Politics of Policy Mobility: Mobile Minimum Wage Policies and Labor Union Campaigns in the U.S.*
 3:00 Corinne NATIVEL, Dr*, University Paris-East Créteil, *Social Justice and Transnational Knowledge Diffusion: Learning from Living Wage Policies.*
 3:20 Cristina Temenos*, Northeastern University, *Differential policy mobilities: Exploring institutional activism among transnational advocacy networks..*
 3:40 Raphael Pieroni*, University of Geneva, *When geography makes policies for nightlife mobile.*
 Discussant(s): Eugene McCann, Simon Fraser University
- 1563. Green Finance and Stranded Assets (Sponsored by Economic Geography Specialty Group)**
Room: *Mendocino II, Hotel Nikko, 2nd Floor* (Paper Session)
 ORGANIZER(S): Peter O'Brien; Yin Yang, University of Oxford
 CHAIR(S): Peter O'Brien
 2:40 Elizabeth Sara Harnett*, University of Oxford, *Communicating Stranded Assets Throughout the Investment Supply Chain: The Importance of Language and Leadership.*
 3:00 Christopher Kaminker, FRGS*, University of Oxford, *Green Bonds: Mobilising the Debt Capital Markets for a Low Carbon Transition.*
 3:20 Sangeetha Chandrashekeran, Dr*, University of Melbourne, *Boiling a Frog Slowly: From Supply-side to Demand-side Electricity Pricing.*
 3:40 James W Mitchell*, Carbon War Room; Smith School of Enterprise and Environment, University of Oxford; Nishatabbas Rehmatulla, University College London Energy Institute, *Dead in the water: an analysis of industry practices and perceptions on vessel efficiency and stranded ship assets.*
 Discussant(s): Ben Caldecott, Smith School of Enterprise and the Environment, University of Oxford
- 1564. Biopower in Practice: empirical engagements with Foucault 2**
Room: *Nikko Ballroom I, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Christine Barnes, King's College London; Amiera Sawas, King's College London
 CHAIR(S): Christine Barnes, King's College London
 2:40 Alex Andre Moulton*, Clark University; Jeff Popke, East Carolina University, *Greenhouse Governmentality: Biopower and Agricultural Subjectivity in Contemporary Jamaica.*
 3:00 Krithika Srinivasan*, University of Exeter, *Biopolitical conservation in the Anthropocene.*
 3:20 Paul Hodge, Dr*, University of Newcastle, *An affirmative biopolitical praxis - Crafting inclusive asylum seeker subjectivities.*
 3:40 Sneha Krishnan*, University of Oxford, *'Killing us Slowly': Narratives about Suicide among College Girls in Chennai.*
 4:00 Veronika Stepkova*, HKBU; Veronika Stepkova, HKBU, *Governed (re)production of cultural stereotypes?: The "truth" discourses over migration of domestic workers from Bangladesh to Hong Kong.*
- 1565. Geographies of ethics and the urban: care, habit, phronosis (II)**
Room: *Nikko Ballroom II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Marie-Noëlle Carré; Kathryn Furlong, Université De Montréal; Tatiana Acevedo, Université De Montreal
 CHAIR(S): Rainer Kazig, CNRS
- 2:40 Kathryn Furlong*, Université De Montréal; Marie-Noëlle Carré, PhD, Université de Montréal; Tatiana Acevedo, Université de Montréal, *Everyday Ethics and Urban Service Provision: Engaging with care, capability, habit, and phronosis.*
 2:58 Moritz Ege*, Universität Göttingen, *Situating urban ethics: toward a reflexive approach to ethicization and normativity.*
 3:16 Shin Alexandre Koseki*, EPFL-Swiss Institute of Technology Lausanne, *Moral, Ethics and Geography: An Empirical Perspective on Political, Economical and Sociability Behaviors.*
 3:34 Marianne Morange, Université Paris Diderot - CESSMA; Aurélie Quentin*, Université Paris Ouest Nanterre La Défense, *Street trading and the right to the city in Quito and Cape Town: a matter of justice?.*
 3:52 Rainer Kazig*, CNRS - UMR Ambances, Architectures, Urbanités, *Everyday aesthetics of the urban sphere: an ethical problem?.*
 Discussant(s): Tatiana Acevedo, Université De Montreal
- 1567. Material Lives: Resisting Infrastructures and Infrastructures of Resistance (III) (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Monterrey I, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Omar Jabary Salamanca, Middle East and North Africa Research Group
 CHAIR(S): Manissa Maharawal, CUNY - Graduate Center
 2:40 Sam Markwell*, New York University, *Keystone XL and the Affective Infrastructures of the Cowboy and Indian Alliance.*
 3:00 Mayssoun Sukarieh, PhD*, Kings college London, *Infrastructure and Resistance: the Case of YouStink Campaign in Lebanon.*
 3:20 Manissa M Maharawal*, CUNY - Graduate Center, *Infrastructural Activism: Bus Blockades and the Fight Against Displacement in San Francisco.*
 3:40 Nikolas Kosmatopoulos*, American University of Beirut, *Amphi-biopolitical Lives: Maritime Infrastructures, Mediterranean Imaginaries and the Gaza Flotilla.*
 Discussant(s): Stephanie Wakefield, CUNY Graduate Center
- 1568. Keeping Us Fed: Challenges to Food Security and Sustainability (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: *Monterrey II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Laura Courtois
 2:40 Jesus Granados Sanchez, Lecturer*, University of Glasgow, *Education for Sustainable Consumption: the Don't Waste Our Future project.*
 3:00 Carolyn J Snell, PhD*, The University of York; Hannah Lambie-Mumford, University of Sheffield, *Is there a Heat or Eat trade off in the UK?.*
 3:20 Nicola Livingstone*, UCL, *Food Banks in the UK: Contested Spaces of Liminality..*
 3:40 Rebekah Paci-Green, Huxley College, Western Washington University; Gigi M. Berardi*, Huxley College, Western Washington University, *"Localism" in Disasters: The Potential for Local Foods to Support Resilience in Regional Disasters.*
 4:00 Laura Courtois, M.S.*, University of Idaho; Raymond J Dezzani, Ph.D., University of Idaho, *Game-theoretic Solution for Agricultural Production in a Spatially-Varying Environment in Malawi.*
- 1570. Historicizing Big Data and Geo-information I (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Oliver Belcher, University of Durham

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- CHAIR(S): Oliver Belcher, University of Durham
2:40 Jeremy Crampton*, University of Kentucky, *Proto-GIS and the Birth of Digital Mapping*.
3:00 Matthew W. Wilson*, University of Kentucky, *SYMAP, the Fisher papers, and questions of discipline*.
3:20 Oliver Belcher, PhD*, University of Durham, *Data and Difference: Race, Violence, and the Making of the Hamlet Evaluation System in the Vietnam*.
 Discussant(s): Trevor J. Barnes, University Of British Columbia; Matt Dyce, University of Winnipeg

1571. Rail Landscapes I: Transitions (Sponsored by Transportation Geography Specialty Group)

- Room:* Golden Gate Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Michael Minn, University of Illinois
 CHAIR(S): Michael Minn, University of Illinois
2:40 Matthieu Schorung, PhD Candidate*, Université Paris-Est Marne-la-Vallée, *Passenger rail transportation in the United States between political conflicts, institutional deadlock and hope for renewal*.
3:00 Jaclyn May Langella*, Hofstra University Department of Global Studies and Geography, *The Long Island Railroad: A Historical Perspective on Current Transportation Trends*.
3:20 Deike Peters*, SUA; Anastasia Loukaitou Sideris, UCLA, *Getting High-Speed Rail Right in the Golden State: Learning from Europe To Transform California's Major Rail Stations into Efficient Intermodal Transit Centers*.
3:40 Joshua Wayland*, Surface Transportation Board, University of Maryland - College Park; Adam Assenza, Surface Transportation Board, *Railroad Abandonments in the Twenty-First Century: Mapping the loss of U.S. freight rail capacity*.
4:00 Michael Minn*, The University of Denver; Andrew Goetz, The University of Denver, *Case Studies in Passenger Rail and Freight Rail Partnerships*.

1572. Geospatial Analysis of Urban Growth and Ecological Impacts (II) (Sponsored by Remote Sensing Specialty Group, Urban Geography Specialty Group, Biogeography Specialty Group)

- Room:* Bay View Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Xiaojun Yang, Florida State University; Liding Chen, Research Center For Eco-Environmental Sciences, CAS
 CHAIR(S): Weiqi Zhou, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences
2:40 Weiqi Zhou*, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Jing Wang, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Yuguo Qian, research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *Quantifying spatiotemporal pattern of urban greenspace in 9 Chinese cities: new insights from high resolution data*.
3:00 Yanxu Liu*, Peking university; Jian Peng, College of Urban and Environmental Sciences, Peking University, *The spatial resilience of urban green landscape in Shenzhen City, a fast growing metropolis of China*.
3:20 Liding Chen*, Research Center For Eco-Environmental Sciences, CAS; Zhifeng WU, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, *How much of green landscape contribute to thermo-environmental amelioration: a case study in Beijing*.
3:40 John Derek Morgan*, University of West Florida (UWF), *Mapping Property Rights Tension for Ecosystem Services within Coastal Communities*.
 Discussant(s): Xiaojun Yang, Florida State University; Liding Chen, Research Center For Eco-Environmental Sciences, CAS

1573. New insights, approaches and challenges in the field of socio-hydrology I (Sponsored by Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group, Water Resources Specialty Group)

- Room:* Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Paul F. McCord, Indiana University; Morgan C. Levy, University of California, Berkeley; Drew Gower, Princeton University
 CHAIR(S): Paul F. McCord, Indiana University
2:40 Maureen B. Papas, Dr*, Honorary Fellow, The University of Western Australia, Faculty of Law, Perth WA 6200 Australia, *Broadening the scope of socio-hydrology: exploring how engaging environmental policy and law makers and, at the same time, water resource assessment experts can yield a meaningful partnership*.
3:00 Beth Tellman*, Arizona State University; Hallie Eakin, Arizona State University; Andres Baeza-Castro, Arizona State University; Luis Bojórquez, National Autonomous University, Mexico; Bertha , Hernández Aguilar, National Autonomous University, Mexico; Marco Janssen, Arizona State University, *Socio-Hydrological Risk Transfer and Emergent Vulnerability in the Basin of Mexico*.
3:20 Christopher Hyun*, Energy & Resources Group, UC Berkeley; Alison Post, Ph.D., Political Science, UC Berkeley; Isha Ray, Ph.D., Energy & Resources Group, UC Berkeley, *Why Water Valvemen "Comply": Insights from an ICT Intervention in India's Urban Water Sector*.
3:40 Johanna Grames*, TU Wien; Alexia Prskawetz, TU Wien; Dieter Grass, TU Wien; Alberto Viglione, TU Wien; Günter Blöschl, TU Wien, *Modelling the interaction between flooding events and economic growth*.
4:00 Paul F. McCord*, Indiana University; Jampel Dell'Angelo, PhD, SESYNC; Drew Gower, Princeton University; Tom Evans, PhD, Indiana University, *Delivering Irrigation Water to Smallholder Farmers in the Mount Kenya Region: A Multi-Level Socio-Hydrological Analysis*.

1574. Reimagining the urban: Hopeful trajectories for remaking the city II

- Room:* Bellevue Room, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Vitor Peiteado Fernandez, Roskilde University; Ragnhild Claesson, Malmö University; Zahra Hamidi
 CHAIR(S): Vitor Peiteado Fernandez, Roskilde University
2:40 Henrik Gutzon Larsen*, Lund University, *Living together separately: a critical analysis of Danish cohousing*.
3:00 Julie Tessuto, Centre d'études sociologiques - Université Saint-Louis Bruxelles (CES - USL-B); Ermans Thomas*, Centre d'études sociologiques - Université Saint-Louis Bruxelles (CES - USL-B); Céline Brandeleer, Centre d'études sociologiques - Université Saint-Louis Bruxelles (CES - USL-B), *Reimagining the urban: hopeful trajectories for remaking the city. Re-appropriation of public spaces in Brussels through the scope of urban mobility*.
3:20 Johan Pries*, Lund University; Johan Pries, Lund University, *The uses of neoliberalism? Claiming "attractive" urban space as a common..*
3:40 Cecilie Sachs Olsen*, Queen Mary University of London, *Montney and/or Montopia: Imagining alternatives through socially engaged artistic practice*.
4:00 Jeroen Stevens*, University of Leuven, *Occupied City. The Insurgent Urban Reform of Central São Paulo*.

1575. Migration, Immigration, and Exclusion

- Room:* Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Dr. Mukul Sonwalkar, H3C LLC
2:40 Keith L. Waters*, George Mason University, School of Policy, Government, and International Affairs, *Inter-*

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- Metropolitan Migration Networks in the United States.*
- 3:00** Liette Gilbert, PhD*, York University, *Incapacitation as Everyday Immigration Control.*
- 3:20** Pia Anderson*, American University of Sharjah, *Attempting a "Thick Description" of the Revolt of Horea, Cloșca and Crisan.*
- 3:40** Mukul Sonwalkar, PhD*; Nigel Waters, PhD, *Analyzing Movement Patterns With Geographic Context Using The Weights of Evidence.*

1576. Urban Transport Systems and Strategies

Room: Paris South, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hanne Louise Jensen

2:40 Emmanuel Munch*, Université Paris-Est, *Spreading commuter flows during rush hours by staggering work schedules: What feasibility and desirability for workers?.*

3:00 Hanne Louise Jensen, Assistant professor*, Aalborg University; Maja de Neergaard, Post doc., Roskilde University, *De-severing distance.*

1577. Race and the Agrarian Question IV (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Panel Session)

ORGANIZER(S): Emma Gaalaas Mullaney, Bucknell University

CHAIR(S): Levi Van Sant, University of Georgia

Discussant(s): Priscilla McCutcheon, University of Louisville

Panelists: Melanie Somerville, Dept of Geography, UBC; Chris Courtheyn, UNC Chapel Hill; Emma Gaalaas Mullaney, Bucknell University

1578. Characterizing land cover and land cover change using remote sensing - Progress and Challenges(I) (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Urban Geography Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): George Xian, USGS EROS Data Center; Jim Vogelmann, USGS/EROS

CHAIR(S): George Xian, USGS EROS Data Center

2:40 Martin D Mitchell*, Minnesota State University, Mankato; Fei Yuan, Minnesota State University, Mankato, *Long-term Land Use and Land Cover Changes Affected by the Conservation Reserve Program in the Minnesota River Valley.*

3:00 Emanuel Storey, PhD student*, San Diego State University - Geography; Douglas Stow, PhD, San Diego State University - Geography; John O'Leary, PhD, San Diego State University - Geography, *Assessing postfire recovery of chamise chaparral based on spectral vegetation index trajectories derived from multi-temporal Landsat imagery.*

3:20 Joshua Comenetz*, U.S. Census Bureau, *U.S. Census Bureau New Global Mapping Initiative.*

3:40 Asif Ishtiaque*, School of Geographical Sciences & Urban Planning, Arizona State University, USA; Soe W. Myint, School of Geographical Sciences & Urban Planning, Arizona State University, USA; Chuyuan Wang, School of Geographical Sciences & Urban Planning, Arizona State University, USA, *Modeling Spatio-temporal Dynamics of Sundarban Mangrove Forest.*

4:00 George Xian*, USGS EROS Data Center, *Development of National Land Cover 2016 product.*

1579. European Migration Crisis III (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Kara Dempsey, Appalachian State University

CHAIR(S): Kara Dempsey, Appalachian State University

2:40 Philip E. Steinberg*, Durham University, *The Refugee as Maritime Subject / The Lighthouse as Witness.*

3:00 Kara E Dempsey*, Appalachian State University, *The European Migration Crisis: Media and geopolitical representations.*

3:20 Karen Culcasi*, West Virginia University, *Connecting "Europe's Crisis" with Syrian Refugees in Jordan.*

3:40 Surindar Kishen Dhesi*, University of Birmingham, *The Environmental Health Consequences of the European Migration Crisis: Informal Settlement in the Calais Refugee Camp.*

Discussant(s): Reece Jones, University of Hawaii at Manoa

1580. Dilemmas IV: "Other Worldings": Life beyond the North American City

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Julia De Montigny, Dawson College; Rae Rosenberg

CHAIR(S): Julia De Montigny, Dawson College

2:40 Andrew Gorman-Murray*, Western Sydney University; Nash J Catherine, Brock University, *Where are we now? Contemporary queer urban space as assemblage.*

3:00 Sarah Elizabeth Nicholus, MA*, University of Texas at Austin, *The Production of Queer/Trans Feminine Spaces in the Festas Juninas of Northeastern Brazil.*

3:20 Darren J. Patrick*, York University, *#AtlantideOvunque / Atlantis Everywhere: A Queer Urban Ecology of Trans*-Feminist-Frocia Politics in Bologna, Italy.*

3:40 Natasha Fox*, University of British Columbia, *Disaster Risk Reduction and LGBTQ Communities: Inclusion, Invisibility, and Challenges in Post-3.11 Tohoku.*

1581. Legal Geographies II: Energy and the Environment

Room: Caracas, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Melinda Harm Benson, University of New Mexico

CHAIR(S): Melinda Harm Benson, University of New Mexico

Introducer: Melinda Harm Benson

2:41 Sonya Ziaja, JD*, PhD Candidate, University of Arizona, *Adaptation Lessons from the History of Hydroelectricity Governance in California.*

3:01 Carl J. Bauer*, University of Arizona, *Water Conflicts and Entrenched Governance Problems in Chile's Market Model.*

3:21 David Turton, BA (Hons.), LLB*, Australian National University, *Spaces for local government in Australia's coal seam gas debate.*

3:41 Robyn L. Bartel, PhD*, University of New England, Australia, *Place-thinking: The hidden geography of environmental law.*

Discussant(s): Margo Kleinfeld, University of Wisconsin - Whitewater

1582. Big Data and Geographic Information (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Woonsup Choi, University of Wisconsin-Milwaukee; Sunhui Sim, University of North Alabama

CHAIR(S): Woonsup Choi, University of Wisconsin-Milwaukee

Introducer: Sunhui Sim

2:45 Jingyin Tang*, University of Florida; Corene J Matyas, University of Florida, *Parallel Spatial Analysis Scheme for Processing Large Volume of Weather Radar Data.*

3:05 Noam Levin*, Hebrew University; Salit Kark, Prof, The University of Queensland; David Crandall, Prof, Indiana University, *Enhancing global conservation using night lights and social media.*

3:25 Michael Evans Martin*, Simon Fraser University, *A method for visualizing topic models onto geographic space.*

3:45 Ben Shirtcliff, PhD*, Iowa State University, *Space for Socially Open Urban Landscapes.*

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1601. Critical Geographies of the UN Sustainable Development Goals

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Audra El Vilaly, The University of Arizona;
Diana M. Liverman, University of Arizona

CHAIR(S): Audra El Vilaly, The University of Arizona

4:40 William G. Moseley*, Macalester College, *Why Capitalism Can't Have Its Cake & Feed the Hungry Too: On the UN's Sustainable Development Goal for Food Security and Agriculture in Africa.*

4:55 Joseph T. Koroma*, College of Alameda, *Millennium Development Goals: The Past, Present, and Future.*

5:10 Charles R. Brigham*, Esri Nonprofit and Global Organizations, *The role of geography in formalizing indicators and a monitoring framework for the sustainable development goals and the post MDG agenda.*

5:25 Chien-Hung Tung*, National Chung-Hsing University, Graduate Program of Landscape and Recreation; Chin-shou Wang, National Cheng Kung University, Department of Political Science; Kangting Tsai, National Chung-Hsing University, Graduate Program of Landscape and Recreation; Thomas YH Liou, Department of Urban Planning and Spatial Information, Feng Chia University, Taichung, Taiwan, *Sustainable Development or Smart Growth? - The Quest Toward a Better Social-Eco Urban Development.*

5:40 Edward R. Carr*, Clark University, *Assertion is not Attribution: Assessing Global Development Goals after the MDGs and before the SGDs.*

5:55 Pablo Fuentenebro*, United Nations Environment Programme (UNEP), *The environmental dimension of urbanization and the role of education within the context of the SDGs.*

1602. Analyzing social media data for environmental and tourism studies

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Enrico Di Minin; Tuuli Toivonen, University of Helsinki

CHAIR(S): Enrico Di Minin

4:40 Yu-Sheng DAI*, National Taiwan University, *Using crowd-sourced data to rank the attractive tourism cities in Taiwan.*

5:00 Michal Rzeszewski*, Adam Mickiewicz University, Poland; Lukasz Beluch, Jagiellonian University, Poland, *Taxonomy of Twitter users - toward the understanding of geosocial media producers.*

5:20 Jayakrishnan Ajayakumar*, Kent State University; Eric Shook, Dr., Advisor, *The Socio-Environmental Data Explorer.*

5:40 Enrico Di Minin*, University of Helsinki; Henriikki Tenkanen, University of Helsinki; Tuuli Toivonen, University of Helsinki, *Prospects and challenges for social media data in conservation science.*

1603. Critical physical geography in practice 3: Dialogues between CPG and adjacent fields

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Rebecca Lave, Indiana University

CHAIR(S): Rebecca Lave, Indiana University

Panelists: Darla Munroe, Ohio State University; Marc Tadaki, University of British Columbia; Nicholas Clifford, King's College London; Trevor Birkenholtz, University of Illinois at Urbana-Champaign

1604. Waste Studies IV: Food waste

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Isabel Urrutia, University of Toronto; Virginia Maclaren, University Of Toronto; Scott Loughheed, Queen's University

CHAIR(S): Isabel Urrutia, University of Toronto

4:40 Paul van der Werf, M.Sc.*, Western University; Jason Gilliland, PhD, Western University, *The Quantity of Food Waste in the Disposal Stream of Ontario, Canada Households.*

5:00 Sally Geislar*, University of California, Irvine, *If you Build it, Will they Separate? Household Food Waste Behavior Change in Organics Collection Programs.*

5:20 Keith Lee*, University of California, Berkeley, *Food Waste, Systems of Provision, and Everyday Practices in Seoul's Households.*

5:40 Andrea R Woodward, Ph.D.*, Berea College, *Food waste in the National School Lunch Program: Effects of policy shifts and evidence-based interventions.*

6:00 Isabel Urrutia*, University of Toronto, *Feminist approaches to food waste.*

1605. Regional Studies Association Annual Lecture: Michael Webber (Sponsored by Routledge)

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Dieter Franz Kogler, University College Dublin

CHAIR(S): Dieter Franz Kogler, University College Dublin

Introducer: Arnoud Lagendijk

Discussant(s): George C.S. Lin, University of Hong Kong

Panelists: Michael Webber, University of Melbourne

1606. Energy in the SDGs 3: Understanding Sustainable Energy Solutions in the Global South

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Ed Brown, Loughborough University; Sarah L. Jewitt, University Of Nottingham

CHAIR(S): Ed Brown, Loughborough University

4:40 Simon Batchelor, GAMOS; Ed Brown*, Loughborough University; Jon Cloke, Loughborough University; John Harrison, Loughborough University; Tameezan wa Gathui, Independent Researcher, *Governance, Decentralisation and Energy in the Global South: Towards a Research Agenda.*

5:00 Sarah Kelly-Richards, University of Arizona School of Geography and Development; Noah Silber-Coats*, University of Arizona - Geography & Regional Development; Arica Crotoft, University of Arizona School of Geography and Development; Carl Bauer, PhD, University of Arizona School of Geography and Development; David Tecklin, PhD, Austral University of Chile, *Geographies of Small Hydropower: An Interdisciplinary Review of Governance Arrangements and Social-Ecological Effects.*

5:20 Mark Raphael Owor Olweny*, Uganda Martyrs University; Mark Borchers, Sustainable Energy Africa NPC; Simon Bawakyillenuo, University of Ghana, *The Role of Local Government in Supporting the SDGs in Fast Urbanising Sub-Saharan Africa.*

5:40 Julia Tomei, University College London; Nicola Favretto*, United Nations University - Institute for Water, Environment and Health; Stavros Afionis, University of Leeds; Lindsay Stringer, University of Leeds, *Governing sustainable energy transitions: The case of bioenergy in Mozambique.*

6:00 Shikha Lakhanpal*, University of Illinois, *Renewable but not sustainable: Politics of sustainable development: Evidence from India.*

1607. Critical Artsapes / Resilient Artists: Worlding the Discussion on Art and Space (III) (Sponsored by Cultural Geography Specialty Group)

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Jason Luger, King's College London Cities Group; Julie Ren, City University of Hong Kong; Nathan Bullock, AAHV

CHAIR(S): Julie Ren, City University of Hong Kong

4:40 Marika Hedemyr*, Freelance Artist/Choreographer, *The*

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Event Series: Balancing art, poetics and politics when creating performative art in public space.

- 5:00** Sampson Yu-hin Wong*, *The attentive creators: on the majority of art in Hong Kong's Umbrella Movement.*
- 5:20** Benjamin Parry, PhD*, University of West of Scotland, *Cultural Hijack: Critical Perspectives on urban art intervention.*
- 5:40** Thomas Dekeyser*, University of Southampton, *Distorting urban habits: subvertising and the re-engineering of urban space.*
- 6:00** Nina Fraeser*, Hafen City University Hamburg, *Spaces of Creative Autonomy. Artistic groups in contemporary Urban Social Movements.*

1608. Spatial and Temporal Scaling of Remote Sensing Data (Sponsored by Remote Sensing Specialty Group)

- Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Rebecca L. Powell, University Of Denver
 CHAIR(S): Andrew Loerch, University of New Mexico
- 4:40** Chen Shi*, Capital Normal University; Le Wang, University at Buffalo, The State University of New York, *A linear spatial spectral mixture model for the improved estimation of abundances.*
- 5:00** Juanle Wang*, Institute of Geographical Sciences and Natural Resources Research, *Appropriate Scales Acquirement for Ground Features from Remotely Sensed Images Using Semi-variogram Approach.*
- 5:20** Trung V Tran*, Northern Kentucky University; Kirsten M de Beurs, University of Oklahoma; Jason P Julian, Texas State University, *Monitoring Forest Disturbances In Southeast Oklahoma Using Landsat And MODIS Images.*
- 5:40** Andrew C Loerch*, University of New Mexico; Christopher D Lippitt, The University of New Mexico, *Modeling the timeliness of airborne remote sensing systems.*

1609. Author Meets Critics: Erica Kohl-Arenas' The Self-Help Myth

- Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)*
 ORGANIZER(S): Emma Shaw Crane, New York University; Ananya Roy, University of California, Los Angeles
 CHAIR(S): Emma Shaw Crane, New York University
 Panelists: Victoria A. Lawson, University of Washington; Ananya Roy, University of California, Los Angeles; Erica Kohl-Arenas, The New School; Richard A. Walker, University of California-Berkeley; Ruth Wilson Gilmore, CUNY Graduate Center

1610. Evolving suburbs, renaissance centers III

- Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Guillaume Poirer, Sorbonne University; Raphael Languillon
 CHAIR(S): Guillaume Poirer, Sorbonne University
- 4:40** Guillaume Poirer*, Paris Est University, *From industry to leisure: rebuilding Toronto waterfront?.*
- 5:00** Florian Opillard, PhD Candidate*, École des Hautes Études en Sciences Sociales, *Fighting touristic urban regeneration in Valparaiso, Chile, and corporate development strategies in San Francisco, United-States. A comparative geography of collective movements building.*
- 5:20** Raphael Languillon*, Chuo University - Tokyo, *Urban maturity, city centers renaissance, and suburbs decline in shrinking Japan.*
- 5:40** Guillaume Ethier*, McGill University; Antonin Margier*, University of Lille, *An Enclave of Social Housing in Montreal's Quartier des Spectacles: Between Resistance and Adherence to Urban Aestheticism.*
- Discussant(s): Renaud Le Goix, Université Paris-Diderot

1611. Climate Specialty Group Paper of the Year Award Presentation (Sponsored by Climate Specialty Group)

- Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Trent Ford, Southern Illinois University
 CHAIR(S): Trent Ford, Southern Illinois University

1612. GeoHumanities Event I: GeoPoetics Poetry Reading (Sponsored by Cultural Geography Specialty Group) – Featured Session

- Room: Continental 2, Hilton Hotel, Ballroom Level*
 Organizers:
Tim Cresswell, Northeastern University
Sarah De Leeuw, University of Northern British Columbia

Chair: **Tim Cresswell**, Northeastern University

Introduction: **Sarah De Leeuw**, University of Northern British Columbia

Speakers:

- Mary Burger**, Duration Press
Cecil Giscombe, University of California, Berkeley
Judy Halebsky, Dominican University of California
Lyn Hejinian, University of California, Berkeley
Douglas Powell, University of San Francisco

This first GeoHumanities Annual Event organized by the editors of the new AAG journal *GeoHumanities* is a reading by five internationally known Bay Area poets who engage with the interface between poetic practice and GeoHumanities themes of space, place and the environment in ways that are subtly but urgently political.

1613. Authors Meet Critics: Peter J. Taylor and Ben Derudder, World City Network

- Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Roger Keil, York University
 CHAIR(S): Roger Keil, York University
 Panelists: Peter J. Taylor, Loughborough University; Edward Malecki, Ohio State University; Karen Lai, National University of Singapore; Richard Shearmur, McGill University; Ben Derudder, Ghent University

1617. Reestablishing a Relationship Between Heterodox Economics and Critical Urban and Economic Geography: Reflections on a Chasm (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)

- Room: Continental 7, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Marshall Feldman, University Of Rhode Island
 CHAIR(S): Marshall Feldman, University Of Rhode Island
 Panelists: Marshall Feldman, University Of Rhode Island; Gordon L. Clark, Smith School of Enterprise and the Environment

1618. In Memory of and Tribute to William I. Woods, 3 (Sponsored by Cultural and Political Ecology Specialty Group, Paleoenvironmental Change Specialty Group)

- Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): William E. Doolittle, University of Texas - Austin; Rolfe Mandel, University of Kansas; Timothy Beach, University of Texas at Austin
 CHAIR(S): Timothy Beach, University of Texas at Austin
- 4:40** Rolfe Mandel*, University of Kansas; Paul Goldberg, Boston University; Anthony L. Layzell, Kansas Geological Survey; Jennifer R. Haas, University of Wisconsin Milwaukee, *Unraveling Site Formation Processes at Finch (47JE0902): A Multicomponent Habitation in Southeastern Wisconsin.*
- 5:00** William Gartner*, University of Wisconsin-Madison Geography, *Furrows Beneath the Forest: Menominee Peoples and Raised Field Agriculture in Northeast Wisconsin (ca 800 AD - 1865 AD).*
- 5:20** Sheryl Luzzadder-Beach*, University of Texas-Austin;

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Timothy Beach, University of Texas-Austin, *Traces on the Wooded Shore: reconstructing past geographies using geochemistry.*

5:40 William M. Denevan, Ph. D.*, University of Wisconsin Madison, *After 1492: Nature Rebounds.*

Discussant(s): Susanna Hecht, University of California Los Angeles; William E. Doolittle, University of Texas - Austin

1619. Speculation, Path Dependency and Financialized Futures 2 (Sponsored by Economic Geography Specialty Group)

Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Christopher Muellerleile, Swansea University; Rachel Weber, University of Illinois At Chicago

CHAIR(S): Christopher Muellerleile, Swansea University
4:40 Dan Cohen*, University of British Columbia, *School Ties: Education Reform and the Changing Link Between Finance and Schools.*

5:00 Philip Ashton*, University of Illinois-Chicago, *Remedial Math: Subprime Litigation and the Juridical Mode of Accounting.*

5:20 Zac Taylor*, University of Leeds, *In a State of "Peak Exposure" - Florida Property Insurance and the Financialization of Climate Risk.*

5:40 Rachel Weber*, University of Illinois At Chicago, *Performing Property Markets.*

Discussant(s): Brett Christophers, Uppsala University

1621. HMSG Award Special Session (Sponsored by Health and Medical Geography Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Xun Shi, Dartmouth College; Mei-Po Kwan, University of Illinois at Urbana-Champaign

CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign

4:40 Elisabeth Dowling Root*, The Ohio State University; Eric Simões, University of Colorado at Denver, *Spatio-temporal dynamics of viral group circulation among children with acute respiratory infection.*

5:00 Xiang Chen*, Arkansas Tech University, *Do poor neighborhoods have limited temporal access to healthy foods? Case of Franklin County, Ohio.*

5:20 Debarchana Ghosh*, University of Connecticut, *What are English-speaking health geographers talking about? Research frontiers, synergies, and collaboration networks.*

5:40 Sara McLafferty*, University of Illinois, *Political Ecologies of Health Care in the U.S.: The Affordable Care Act and Beyond.*

1622. New Geographies of Alienation: Getting Reacquainted with Estrangement

Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Stian Rice, Kent State University

CHAIR(S): Alex R. Colucci, Kent State University

4:40 Balbir Singh Butola*, Csrdr, Jawaharlal Nehru University, New Delhi India, *Alienation, Capitalism and Bioeconomics under Neoliberalism.*

5:00 Matthew Cook*, University of Tennessee, *Dead labor: Fetishizing chattel slavery in contemporary plantation tourism.*

5:20 Alex R. Colucci*, Kent State University, *Deferred Sovereignty: Difference and Alienated Space in the Everyday.*

5:40 Krystyna Michael*, CUNY - Graduate Center; Stephen Boatright, CUNY - Graduate Center, *Adjunct Labor and the Alienation of Homework.*

6:00 Matthew Valentine*, University of North Carolina - Greensboro, *Bodily Commodification, Alienation, and the Landscape of the Plasma Industry.*

1623. The economy of cities: 05 People in cities

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): John Miron, University of Toronto

CHAIR(S): Mark W. Rosenberg, Queen's University

4:40 Deborah Salon*, Arizona State University; Nathaniel Roth, University of California, Davis, *Identifying Neighborhood Typologies in the United States.*

5:00 Micah Hilt*, San Jose State University; Micah Hilt, San Jose State University, *Community Mapping of Neighborhood Identity in the South University Neighborhood of San Jose, California.*

5:20 Zehan Pan*, University of Lethbridge; Wei Xu, University of Lethbridge; Zuyu Huang, University of Melbourne; Guixin Wang, Fudan University, *Impacts of rural-urban migration on alleviating rural poverty in different landforms in inland China.*

5:40 Hao Liu*, Peking University, *Dynamics of Unbalanced Economic Development in the Beijing-Tianjin-Hebei Region since the 1990s.*

6:00 Juho Eemeli Kiuru, Doctoral Student*, University of Helsinki, *Spatial Correlation of Human Capital and Innovative Capacity in Helsinki Metropolitan Area.*

1624. New directions in assessing the socio-economic impacts of conservation (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Imperial A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Daniel Miller, University of Illinois

CHAIR(S): Michael Mascia, Conservation International

4:40 Madeleine McKinnon*, Conservation International; Samantha Cheng, University of California, Santa Barbara, *Mapping evidence for joint effects of conservation on the environment and human well-being.*

5:00 Michael B Mascia*, Conservation International; Fitry Pakiding, UNIPA; Louise Glew, WWF, *The Social Impacts of Protected Areas: Insights from 100 Villages in Indonesia.*

5:20 Anteneh Tesfaw, PhD*, Conservation International; Michael Mascia, PhD, Conservation International; Rachel Golden Kroner, MSc, George Mason University; Alex Pfaff, PhD, Duke University, *Protected area downgrading, downsizing, and degazettement (PADDD) and Critical natural capital in the Brazilian Amazon.*

5:40 Christoph Nolte, PhD*, Stanford University; Beatriz Gobbi, Université du Louvain, *Impacts of mandatory private reserves regulations on legal and illegal deforestation and agricultural returns.*

6:00 Daniel C. Miller*, University of Illinois; Catherine Benson Wahlen, Independent Consultant, *Predictive Proxy Indicators to Assess the Long-Term Impacts of International Forest Financing.*

1625. Geography and Literature IV: Geo Slam 16 (Sponsored by Graduate Student Affinity Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Abdul Aijaz, Indiana University

CHAIR(S): Jessie Speer

Discussant(s): Jessie Speer

Panelists: Sean H. Wang, Syracuse University; Brian Hennigan, Syracuse University; Parvathy Binoy, Syracuse University; Abdul Aijaz, Indiana University

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- 1626. Embracing Diversity: An Open Discussion with the AAG's Diversity Ambassadors (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Mark Revell, American Association of Geographers; Darryl T. Cohen, U.S. Census Bureau
CHAIR(S): Darryl T. Cohen, U.S. Census Bureau
Panelists: Kira Sullivan-Wiley, Boston University; Georgeta Stoian Connor, Georgia Gwinnett College; Denielle Perry, University of Oregon; Madelaine Cahuas, University of Toronto; Arvind Aniel Rombawa Bhuta, USDA - US Forest Service - Region 6 - Regional Office - Natural Resources Branch
- 1627. Teaching and Advising about Careers in Geography (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Mark Revell, American Association of Geographers
CHAIR(S): JoAnn (Jodi) Vender, Pennsylvania State Univ
Discussant(s): Timothy L. Hawthorne, University of Central Florida; Justin Stoler, University of Miami; Ellen R. Hansen, Emporia State University
Panelists: Carmen Brysch, Auburn University; Elizabeth Mack, Arizona State University; JoAnn (Jodi) Vender, Pennsylvania State Univ; Heather R. Houlton, American Geosciences Institute
- 1628. Working Panel on Teaching Geography of Energy Courses (Sponsored by Geography Education Specialty Group, Energy and Environment Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Julia Haggerty, Montana State Univ; Martin (Mike) J. Pasqualetti, Arizona State University
CHAIR(S): Julia Haggerty, Montana State Univ
Panelists: Martin (Mike) J. Pasqualetti, Arizona State University; Jeffrey S. Jenkins, University of California, Santa Cruz; Autumn Thoyre, Colgate University; Marilyn A. Brown, Georgia Institute of Technology
- 1629. Spatial Data Mining and Big Data Analytics (5) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)**
Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Caglar Koylu, University of Iowa
CHAIR(S): Caglar Koylu, University of Iowa
4:40 Maohui Zheng*, Shanghai Institute of Disaster Prevention and Relief, Tongji University, Shanghai, China; Yingying Jiang, IBM China Systems and Technology Laboratory, Shanghai, China; Xueying Gu, School of Computing and Information Science, University of Maine, Orono, ME, USA, *Exploring taxi trips to and from New York City's airports.*
5:00 Xi Liu*, Pennsylvania State University; Clio Andris, Pennsylvania State University, *Integrating Social Flows to Measure Social Distance.*
5:20 Yuan Huang*, University of South Carolina; Diansheng Guo, University of South Carolina, *Comparing universal commuting patterns using Twitter, mobile phone data, and American Community Survey.*
5:40 Anu Masso*, University of Tartu / ETH Zürich; Siiri Silm, University of Tartu; Rein Ahas, University of Tartu, *Generational differences in Spatial Mobility: Study of Activity Spaces with Mobile Phone Data.*
- 1630. New themes in international skilled migration research 3: internationalization (Sponsored by Population Specialty Group, Ethnic Geography Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh; Micheline Van Riemsdijk, University of Tennessee
- CHAIR(S):** Heike Alberts, University of Wisconsin-Oshkosh
4:40 Heike Joens*, Loughborough University, *Tracing international knowledge transfer through boundary spanners.*
5:00 Natalie Tebbett*, Loughborough University, *Knowledge transfer in UK higher education: Capturing the diverse experiences of international faculty.*
5:20 Donald A. Friend*, Minnesota State University, *Impact of a Fulbright Senior Scholarship Ten Years On.*
5:40 Kavita K. Pandit*, University of Georgia, *Campus Internationalization versus the Globalization of Higher Education - conflict or harmony?.*
Discussant(s): Micheline Van Riemsdijk, University of Tennessee
- 1631. Land, Justice and Agrifood Movements III: Trajectories and Tensions (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Kathryn Michelle Glowa; Antonio Roman-Alcalá; Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition
CHAIR(S): Kathryn Michelle Glowa
4:40 Megan Horst*, Portland State University, *Farmland conversation, gentrification, and food and land sovereignty in the Pacific Northwest.*
5:00 Adam Calo, PhD Candidate*, University of California - Berkeley, *Structural Land Access Barriers in the California Central Coast Lead to the Development of a Farmland Monitoring and Mapping Tool.*
5:20 Monika H Egerer*, University of California - Santa Cruz, *"You need water to grow food": A nexus of land, food, and water politics in urban community gardens in the California Central Coast.*
Introducer: Kathryn Michelle Glowa
Discussant(s): Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition
- 1632. Creative Approaches to Researching Religion in the City 3: Negotiating Difference and Urban Space (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Laura Cuch, University College London; Natalie Hyacinth; Justin Tse, University of Washington
CHAIR(S): Laura Cuch, University College London
4:40 Justin K.H. Tse, PhD*, University of Washington, *Under a Vast Sky: Religious Protest Art and Hong Kong Localism's Demystification of Urban Ideologies.*
5:00 David J. Butler*, Department of Geography, University College Cork (UCC); Shane D. Cusack, Centre for Adult Continuing Education, UCC, *Layout and L(Attitude): Protestant Church Evolution in Urban Ireland.*
5:20 Sam Slatcher*, Durham university, *Researching religious engagement with difference: Reflections from a participatory inter-faith film project in West Yorkshire, UK.*
5:40 Murat Es*, Chinese University of Hong Kong, *Ethnographic Research, Conflictive Politics, and Critical Engagement in Geography.*
Discussant(s): David Gilbert, Geography, Royal Holloway, University of London
- 1633. Japan After 3/11: Global Perspectives on the Earthquake, Tsunami, and Fukushima Meltdown (Sponsored by Asian Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Energy and Environment Specialty Group)**
Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Unryu Suganuma, J. F. Oberlin University
CHAIR(S): Pradyumna P. Karan, University Of Kentucky

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Introducer: Pradyumna P. Karan

4:50 Kenji Yamazaki*, Iwate University, *Disaster and Shrine*.

5:10 Pradyumna P. Karan*, University Of Kentucky, *The Two Tsunamis: Tamil Nadu (2004) to Tohoku (2011)*.

5:30 Unryu Suganuma*, J. F. Oberlin Univesity, *Historical Geography of the Japanese Tsunami, and Facing 2011Waves*.

Discussant(s): Pradyumna P. Karan, University Of Kentucky

1634. (Re)Defining the Contemporary Globalizing City II

Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Kris Bezdecny, Wright State University - Dayton, OH; Kevin W. Archer, Central Washington University

CHAIR(S): Kris Bezdecny, Wright State University - Dayton, OH
4:40 Maria Francesca Piazzoni*, University of Southern California, *Anxieties of Identity in the Multicultural city. The Case of the Bangladeshi Street Vendors Using the Urban Heritage of Rome, Italy.*

5:00 Janet Merkel*, City University London, Department of Sociology, Center for Culture and the Creative Industries; Friederike Landau, Technische Universität Berlin, Center for Metropolitan Studies., *Negotiating the 'Creative Berlin: A new cultural governance in the making?'*

5:20 Austin Loren Cummings*, Portland State University, *Resisting Portlandia: Race, Space, And Aesthetics In The "Creative" City.*

5:40 Tridib Banerjee, Professor*, University of Southern California; Felicity Hwee-Hwa Chan Sit, Post-Doc, University of Southern California; Surajit Chakravarty, Assistant Professor, Alhoshn University, Abu Dhabi, *Globalization and Changing Urbanism of U.S. Cities: Diversity, Cosmopolis, and the Right to the City.*

6:00 Jacek Kotus*, Adam Mickiewicz University; Michal Rzeszewski, Adam Mickiewicz University, Poland, *Between perception and behavior. Looking for a role of tourist anchor-points in the contemporary city.*

1637. Hazards and GIScience III (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; Tom Cova, University of Utah; Rutherford V. Platt, Gettysburg College

CHAIR(S): Michael E. Hodgson, University of South Carolina

4:40 Suzanna Long, PhD*, Missouri University of Science and Technology; Steve M Corns, PhD, Missouri University of Science and Technology; Tom G Shoberg, PhD, U.S. Geological Survey, *Engineering Resilient Community Planners in the Wake of Large-Scale Disasters: Building Data-enabled Infrastructure Course Modules.*

5:00 Xu Yang*, Beijing Normal University; Peijun Shi, Beijing Normal University; Wei Xu, Beijing Normal University; Jing'ai Wang, Beijing Normal University, *Mapping and Ranking Global Mortality Risk and Affected Population Risk by Multiple natural-hazards.*

5:20 Ran Wang*, School of Geography, Beijing Normal University, Beijing, China; Han Yu, School of Agriculture & Forestry Economics and Management, Lanzhou University of Finance and Economics, Lanzhou, China; Jingai Wang, School of Geography, Beijing Normal University, Beijing 100875, China; Laboratory of Regional Geography, Beijing Normal University, Beijing, China, *Automatic Recognition and Mapping of Global Typhoon Disaster Chains.*

5:40 Colin Doyle*, University of Texas - Austin; John Bolten, PhD, NASA Goddard Space Flight Center; Joseph Spruce, Computer Sciences Corp., NASA Stennis

Space Center; Aakash Ahamed, Universities Space Research Association, NASA Goddard Space Flight Center, *A Rapid-Response Flood Impact Assessment Tool for Southeast Asia.*

6:00 Ye Wang*, Beijing Normal University; Ning Li, Beijing Normal University, *BFAST??A new method to analyze change of climate extremes.*

1638. Geographies of Media IV: Digital technologies, everyday geographies and experiencing space and place (1) (Sponsored by Communication Geography Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Mike Duggan, Royal Holloway, University of London; Joseph Palis, University of the Philippines-Diliman

CHAIR(S): Mike Duggan, Royal Holloway, University of London

4:40 Mike Duggan*, Royal Holloway, University of London, *The lived experiences of a digitalizing world: where sleek technologies come up against the harsh realities of our cultural geographies.*

5:00 Ryan Burns*, Temple University, *Everyday disruptions, digital restorations: Community engagement and resistance to digital humanitarianism.*

5:20 Philip John Nicholson*, University of Glasgow, *Geographic Information Systems as a Data Heavy Practice.*

5:40 Cheryl Gilge*, University of Washington, *Google Street View and the image as experience.*

Discussant(s): Matthew W. Wilson, Harvard University

1639. Health care in West Africa (Sponsored by International Geography, GIScience, and Urban Health Theme, Africa Specialty Group, Health and Medical Geography Specialty Group)

Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Helen Hazen, University of Denver; Joseph R. Oppong, University of North Texas

CHAIR(S): Joseph R. Oppong, University of North Texas

4:40 Joseph R. Oppong*, University of North Texas, *Health Care Access and Maternal Mortality in Ghana.*

5:00 Agyapong Fosu Amankwah*, University of Cape Coast, Ghana, *Utilization of Maternal Health Care Services in the Eastern Region of Ghana: The Evidence.*

5:20 Ayodeji Emmanuel Iyanda*, University on North Texas, *Examining the spatial pattern of maternal mortality in Western and Northern Regions of Ghana.*

5:40 Yonlonfoun Veronica Eburn, Ph.d*, Tai Solarin University of Education; Olanisimi Dele, Ph.d, Tai Solarin University of Education; Ogunleye Tolu, Ph.d, Tai Solarin University of Education, *Predictive Values of Traditional Methods of Mental Health Care Delivery in Yorubaland, South West, Nigeria.*

1640. Symposium on Human Dynamics Research: Social Media and Big Data III (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Cartography Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Jiue-An Jay Yang, San Diego State University; Ming-Hsiang Tsou, San Diego State University; Atsushi Nara, San Diego State University

CHAIR(S): Xinyue Ye, Kent State University

4:40 Mingshu Wang*, University of Georgia; Xiaolu Zhou, Georgia Southern University, *Towards Geospatial Marketing Research through Neogeography.*

5:00 Nana LUO*, San Diego State University; Atsushi Nara, Ph.D., San Diego State University; Cheng-Chia Huang, San Diego State University, *Modeling Friendship and Interaction in Social Networks using Bayesian Inference.*

5:20 Cheng-Chia Huang*, San Diego State University; Atsushi Nara, Ph.D., San Diego State University; Nana Luo, San Diego State University; Lisa Hill, San Diego

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State University, *Bottom-up data analysis for studying gentrification dynamics.*

5:40 Jianan Shen, PhD student*, University College London; Tao Cheng, Professor, University College London, *Space Time Cognition of Activity Groups and Anomalies.*

6:00 Adiyana Sharag-Eldin*, Kent State University; Xinyue Ye, Professor; Brian Spitzberg, Methodology Author, *Analyzing Public Opinions on Fracking using Twitter.*

1641. Tourism and Inclusive Development (Sponsored by Recreation, Tourism, and Sport Specialty Group, Development Geographies Specialty Group)

Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Regina Scheyvens, Massey University; Robin Biddulph, University of Gothenburg

CHAIR(S): Regina Scheyvens, Massey University

4:40 Regina Scheyvens*, Massey University, *Sun, sand and inclusive development? Exploring the development contributions of hotels in small island states.*

5:00 Laura Riddering*, University of Maryland - Baltimore County, *The "Art of Rent": Painters, Tourists, and Change in San Juan la Laguna, Guatemala.*

5:15 Mohammad Masrurul Mowla, Tourism researcher*, University of Hull, *Community Well-being and Its Role in Achieving Sustainable and Inclusive Tourism Development: A case of Cox'sbazar, Bangladesh.*

5:30 Robert Yarbrough*, Georgia Southern University; Mark Welford, Georgia Southern University, *From Pastures to Private Protected Areas: Contested Geographies of Ecotourism and Development in Northwestern Ecuador.*

5:45 Clinton David van der Merwe*, WITS School of Education, *The organisation, geography and local developmental impacts of Heritage Tourism in South Africa..*

6:00 Robin Biddulph*, University of Gothenburg, *Geographies of opportunity on a tourism back street.*

1642. Emotional Political Ecologies II (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Indigenous Peoples Specialty Group)

Room: Union Square 15, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Farhana Sultana, Syracuse University; Marien González Hidalgo

CHAIR(S): Farhana Sultana, Syracuse University

Introducer: Farhana Sultana

Panelists: Gwendolin McCrea, University of Minnesota; Andrea Joslyn Nightingale, Swedish University of Agricultural Sciences; Bidita Jawher Tithi, University of California; Patricia Burke Wood, York University; Emily Van Houweling, University of Denver; TATIANA ACEVEDO, Université De Montreal

1643. Applied Physical Geography, Aquatic and Wetland

Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bagus Setiabudi Wiwoho, Dept of Geography, State University of Malang

4:40 Girma Kebede*, Mount Holyoke College, *Aquatic Ecosystems in Peril: The Degradation of Central Rift Valley Lakes in Ethiopia.*

5:00 Meimei Zhang*, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences; Zhen Li, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences; Bangsen Tian, Institute of Remote Sensing and Digital Earth, Chinese Academy of Sciences, *A method for monitoring hydrological conditions beneath herbaceous wetlands using multi-temporal ALOS PALSAR coherence data.*

5:20 Emily Jean Ryan*, University of Oklahoma; Stephen J DeMaso, Gulf Coast Joint Venture, U.S. Fish and Wildlife Service; Mark A Shafer, Southern Climate

Impacts Planning Partnership, University of Oklahoma, *Effects of Weather on Fall and Winter Waterfowl Habitat on Inland Agricultural Lands in the Gulf Coast Joint Venture.*

5:40 Christopher Schaney, PhD*, Indiana University Of Pennsylvania; Mitzy Schaney, West Virginia University, *Understanding the Response of Peatlands to Land Use within the Canaan Valley National Wildlife Refuge, West Virginia..*

6:00 Bagus Setiabudi Wiwoho*, Dept of Geography, State University of Malang; Abdullah A Kurnia, Lamongan Regional Development Planning Agency; Ike Sari Astuti, Dept of Geography, State University of Malang - Indonesia, Dept of Geography, University of Georgia, USA, *Temporal variations of a tropical reservoir's physical characteristics and their implications from ecological and economical perspectives; a case study for Sutami reservoir, East Java - Indonesia.*

1644. Topics in Migration (Sponsored by Population Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Seth E. Spielman, University of Colorado

CHAIR(S): Cristobal Mendoza, Universidad Autonoma Metropolitana-Iztapalapa (Mexico)

4:40 Matthew W. Foulkes*, University Of Missouri, *Migration of Low Income Households in the United States: Post Recession Patterns and Trends.*

5:00 Cristobal Mendoza*, Universidad Autonoma Metropolitana-Iztapalapa (Mexico), *Almost everything is love: Emotional experiences of skilled Spanish migrants in Mexico.*

5:20 Canan Ayberk*, Ankara University; Ertugrul Murat Özgür, Ankara University, *International Students in Turkey: How Are Their Migration Process?.*

5:40 Ursa Kanjir*, ZRC SAZU; Natasa Gregoric Bon, ZRC SAZU, *Movements of people and landscape in Southern Albania.*

6:00 Baiba Svane*, University of Latvia, *Residential Mobility in Capital of Latvia Through the Reasons for Moves.*

1645. Drawing Lessons from Regulatory and Collaborative Approaches to Water Management in Western United States and Canada: Part 2 (Sponsored by Water Resources Specialty Group, Indigenous Peoples Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Esther Conrad, Stanford University

CHAIR(S): Nicola Ulibarri, Stanford University

4:40 Oliver M. Brandes*, University of Victoria, *Thinking Like a Watershed and the Future of Water Law and Governance - A British Columbia Perspective.*

5:00 Tara Moran, Ph.D.*, Stanford University; Janet Martinez, Ph.D., Stanford University; Amanda Cravens, USGS; Marci DuPraw, Ph.D., California State University, Center for Collaborative Policy; Leon Szeptycki, Stanford University, *Understanding Groundwater Data Collection, Use and Sharing Practices for Sustainable Groundwater Management in California.*

5:20 Sibyl Diver*, Stanford University, *Beyond collaborative watershed management: Tribal sovereignty and sustainability on the Klamath River.*

5:40 Daniel Reid Sarna-Wojcicki, PhD*, University of California, Berkeley, *Democratizing scale in Klamath collaborative watershed governance.*

Discussant(s): Emma S. Norman, Northwest Indian College

1646. Neighborhood Dynamics 3: Unravelling Changes (Sponsored by Urban Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte

CHAIR(S): Karin Pfeffer, University of Amsterdam

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- 4:40** Lee Fiorio*, University of Washington, *Neighborhoods neighboring neighborhoods: adjacency, centrality and Census tract-level racial and ethnic change in U.S. metros, 1990 to 2010.*
- 5:00** William AW Clark, University of California, Los Angeles; Eva K Andersson, Stockholm University; John Östh, Uppsala University; Bo Malmberg*, Stockholms Universitet, *A Multiscalar Analysis of Neighborhood Composition in Los Angeles, 2000-2010: A Location-Based Approach to Segregation and Diversity.*
- 5:20** Karin Pfeffer*, University of Amsterdam; Sako Musterd, University of Amsterdam, Amsterdam Institute for Social Science Research, *Exploring the dynamics of socio-spatial configurations in the city of Amsterdam.*
- 5:40** Sig J. Langegger*, Akita International University, *The Rights-Rift: Dynamics of Neighborhood Change in North Denver.*
- 6:00** Nathalie Christmann*, University of Luxembourg, *Mobility and neighborhood dynamics in border regions - towards an inter-urban discourse analysis.*
- 1647. Sex and the City: Reactionism, Resistance and Revolt II - Sex Worker Voices: Encountering Consumption and Mobilities (Sponsored by Sexuality and Space Specialty Group)**
Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Clarissa Smith, University of Sunderland; Emily Cooper, Northumbria University
 CHAIR(S): Emily Cooper, Northumbria University
4:40 Jennifer Heineman*, University of Nevada, Las Vegas, *The Spectacle of Sex Trafficking: The Geopolitics of Sexualized, Victimized, and Fetishized Bodies.*
5:00 Jason Scott, M.A., M.Sc.*, University of Nevada - Las Vegas, *Transnational Migration of Male Sex Workers: Meeting the Thai Demand.*
5:20 Barb Brents, PhD*, University of Nevada, Las Vegas; Christina Parreira, MA, University of Nevada, Las Vegas; Andrew Spivak, PhD, University of Nevada, Las Vegas; Alessandra Lanti, MA, University of Nevada, Las Vegas; Olesya Vengar, PhD, University of Nevada, Las Vegas; Jennifer Whitmer, PhD, St. Ambrose University; Jennifer Heineman, MA, University of Nevada, Las Vegas, *Consuming sexscapes: the impact of location and legality on prostitution clients.*
5:40 Danielle Antoinette Hidalgo, PhD*, CSU Chico, *Doing Sex Work Writing and Research: How to Not Take Up Space.*
 Discussant(s): Emily Cooper, Northumbria University
- 1648. Progress in commuting and accessibility modeling (Sponsored by Urban Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Michael Niedzielski, University of North Dakota
 CHAIR(S): Michael Niedzielski, University of North Dakota
4:40 Levon Mikaelian*, Florida State University; Mark W Horner, Florida State University, *Effects of Accessibility on Economic Segregation and Income Inequality.*
5:00 Koos Fransen*, Ghent University; Tijds Neutens, Ghent University; Philippe De Maeyer, Ghent University; Greet Deruyter, Ghent University, *Spatio-temporal Analysis of the Modal Disparities in Job Access Through Public and Private Motorized Transport - How Equitable Is the Transport Distribution in Flanders, Belgium?.*
5:20 Genevieve Boisjoly*, McGill University; Ahmed El-Geneidy, McGill University School of Urban Planning, *Daily fluctuations in transit and jobs availability: A comparative assessment of time-sensitive accessibility measures.*
- 5:40** Szymon Marcinczak*, University of Lodz; Marcin Stepniak, IGIPZ PAN, *Soft factors, interurban structure and commuting patterns in Poland.*
- 6:00** Michael Niedzielski*, University of North Dakota; Mark Horner, Florida State University, *Accessibility modeling: what's next?.*
- 1649. The Political Forest III: Governance, Expertise, and Resistance**
Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Jennifer Baca, Bowdoin College - BRUNSWICK, ME; Jennifer Devine, Texas State University - San Marcos
 CHAIR(S): Jennifer Devine, Texas State University - San Marcos
4:40 Kiran Asher*, University of Massachusetts, Amherst, MA, *Fragmented Storeys, fractured lives: Forests and Territorial struggles in in the Pacific lowlands of Colombia.*
5:00 Tim Forsyth*, London School Of Economics and Political Science, *Environmental expertise in public: social movements and the co-production of authoritative environmental knowledge in Thailand.*
5:20 Jennifer Devine, Ph.D.*, Texas State University, *Political Pathologies of the Maya Forest.*
5:40 Jennifer Baca*, Bowdoin College - BRUNSWICK, ME, *Beyond Experts: Co-producing Forestry Knowledge in Southern Chile.*
 Discussant(s): Nancy Lee Peluso, University of California; Peter Vandergeest, York University
- 1650. Green infrastructure: Theory and Practice 3 (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Sara Meerow, University of Michigan; Joshua P. Newell, University of Michigan
 CHAIR(S): Sara Meerow, University of Michigan
4:40 Jason A. Byrne*, Griffith University; Alex Lo, PhD, Hong Kong University; Aidan Davison, PhD, University of Tasmania; Christopher Amber, PhD, Griffith University; Chloe Portanger, BUEP (Hons), Griffith University, *Residents perceptions of the benefits of green infrastructure for climate adaptation in an Australian suburb.*
5:00 Christoph D D Rupprecht, PhD*, Griffith University; Jason Byrne, PhD, Griffith University, *Informal Urban Greenspace As Green Infrastructure? Potential, Challenges and Future Directions.*
5:20 Amy Motzny*, Columbia University; Robert M Elliott, PhD, Columbia University, *Assessing Urban Environment, Health, and Livability (EHL) Metrics for Green Infrastructure Spatial Planning.*
5:40 Jamie McEvoy, PhD*, Montana State University, *From beaver mimicry to reverse-EQIP: What questions do green infrastructure projects raise in Montana, USA?.*
 Discussant(s): Katherine Foo, Pennsylvania State University
- 1651. Environmental Geographies of Western China (Sponsored by China Specialty Group)**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jesse Garrett Rodenbiker, University of California, Berkeley; Thomas Ptak, University of Oregon
 CHAIR(S): Emily Yeh, University of Colorado
4:40 Jesse Garrett Rodenbiker*, University of California, Berkeley, *Making and Mooring Ecological Civilization.*
5:00 Adam Liebman*, UC Davis, *Formalizing Waste Recycling and Building a "Circular Economy" in Kunming,*

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- China.*
- 5:20** Thomas Ptak*, University of Oregon, *Multiscalar Implications of Small Hydropower Development in China's Nu River Valley.*
- 5:40** Thomas Hennig*, Philipps-Universität Marburg, *Hydropower and environmental geographies in China's Yunnan's Ayeyarwady basin..*
- 6:00** Jean-Francois Rousseau, Post Doctoral Fellow, Simon Fraser University, Geography Dept., Simon Fraser University; Janet C Sturgeon, Associate Professor, Simon Fraser University*, Simon Fraser University, *The Disappearance of Water Buffalo from Agrarian Landscapes in Western China.*
- 1652. Home: Critical Geographies of the Home(land) III - Convergence of foreign and domestic policy (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
- Room:* Mason B, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): Sara N. Hughes, University of California - Los Angeles; Maegan Miller, CUNY - Graduate Center
- CHAIR(S): Sara N. Hughes, University of California - Los Angeles
- 4:40** Hannah Jones*, University of Warwick, *'In the UK Illegally? Go Home or Face Arrest'/'No Way: You Will Not Make Australia Your Home'.*
- 4:55** Fadi Shayya*, New School University, *Leave No MRAP Behind: Geographies of Delegation, Militarization and Urbanism in the US..*
- 5:10** Geoffrey Boyce*, University of Arizona, *"People Who Look Like They Don't Belong": Immigration Policing and Racial Formation in Revanchist Detroit.*
- 5:25** Nerve Macaspac, PhD candidate*, University of California - Los Angeles, *Insurgent Peace: Peacebuilding among Indigenous Peoples of Sagada, Philippines.*
- Discussant(s): Emily Gilbert, University of Toronto
- 1653. Geography of Skill: (Re)linking geography of labor with economic, social and cultural geographies**
- Room:* Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): He Wang, City University of Hong Kong; Jung Won Sonn, University College London
- CHAIR(S): He Wang, City University of Hong Kong
- 4:40** He Wang*, City University of Hong Kong, *Separate and Rule: the spatial division of technological labor in the automotive industry.*
- 5:00** Wanjing Chen*, University of Wisconsin-Madison; Jung Won Sonn, University College London, *Economy of Scale, Division of Labor and Deskillling in a Creative Industry: Transformation of the Labor Process in Xianyou Traditional Furniture Cluster, China.*
- 5:20** Deborah Leslie*, University Of Toronto; Norma Rantisi*, Concordia University, *The McDonald's of Circus: Corporatization, Standardization and the Erosion of Creativity at the Cirque du Soleil.*
- 5:40** Erika Machacek*, University of Copenhagen; Niels Fold, University of Copenhagen, *Governing Flows in Networks: European Magnet Producers in the Global Automotive Value Chain.*
- Discussant(s): Jung Won Sonn, University College London; Martin H. Hess, University of Manchester
- 1654. Drought, Water Systems, and Water Barometer**
- Room:* Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): Paul R. Larson, Southern Utah University
- 4:40** Virginia G. Silvis*, Dept. of Geography & Environmental Sustainability, University of Oklahoma; Michael D. Hunter, Dept. of Pediatrics, University of Oklahoma Health Science Center; Renee A. McPherson, Dept. of Geography & Environmental Sustainability, University of Oklahoma; Heather Lazrus, National Center for Atmospheric Research; Michael B. Richman, Dept. of Meteorology, University of Oklahoma, *A Place-Based Approach to Drought Forecasting.*
- 5:00** Kamal Alsharif*, University of South Florida, School of Geosciences; Gabriella Balsam, University of South Florida, School of Geosciences, *Management of Water Resources by Using the Water Atlas as a Decision Support System.*
- 5:20** Paul R. Larson, PhD*, Southern Utah University; C. Frederick Lohrengel II, PhD, Southern Utah University, *Water Barometer Laboratory Exercise for Physical Geography.*
- 1655. Sensing Value Beyond Nature: Post-Conservation Critical GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cultural and Political Ecology Specialty Group)**
- Room:* Sutter Room A, Hilton Hotel, 6th Floor (Panel Session)
- ORGANIZER(S): Jenny Elaine Goldstein, Cornell University; Patrick Gallagher, Stanford University
- CHAIR(S): Jenny Elaine Goldstein, Cornell University
- Discussant(s): Matthew Turner, University of Wisconsin-Madison
- Panelists: Jack Friedman, University of Oklahoma; Jenny Elaine Goldstein, Cornell University; Patrick Gallagher, Stanford University; Mark H Cooper, University of Wisconsin-Madison; Julie Velasquez Runk, University of Georgia
- 1656. Critical Logistics III: Organizing Value through Logistical Space (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
- Room:* Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): Spencer L. Cox, University of Minnesota; Charmaine Chua, University of Minnesota - Minneapolis
- CHAIR(S): Kyle Loewen, University of British Columbia
- 4:40** Juan D De Lara, Ph.D., University of Southern California; Juan David De Lara*, University of Southern California, *Logistics, Racial Capitalism and the State.*
- 5:00** Nicolas Raimbault*, Paris-Est University, *The silent privatization of the production of logistics spaces in large urban regions. The case of the Greater Paris Region.*
- 5:20** Spencer L. Cox*, University of Minnesota, *High-Technology Warehousing: Agglomeration Economies through Surplus Populations.*
- 5:40** Kyle Loewen*, University of British Columbia; Beth Gutelius*, University of Illinois at Chicago, *The Production of Value in Logistics.*
- 1657. Moralities of Drought (Sponsored by Cultural and Political Ecology Specialty Group)**
- Room:* Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): Justin Stefanik, Carleton University
- CHAIR(S): Justin Stefanik, Carleton University
- 4:40** Elisabeth Roberts*, University of the West of England; Lindsey McEwen, Professor, University of the West of England; Joanne Garde-Hansen, Dr, University of Warwick; Antonia Liguori, Dr, University of Loughborough; Lyndsey Bakewell, Dr, University of Loughborough, *UK experiences and perceptions of water / scarcity: narratives of blame and empowerment.*
- 5:00** Lia Bryant, Associate Professor*, University of South Australia, *Farmer Suicide: Subjectivities Enmeshed in Political and Moral Economies/Communities.*
- 5:20** Gregory J. Schwartz, Dr. *, Assistant Professor of Geography at Laney College, *The Political Ecology of California's Drought.*
- 5:40** Laura Smith*, University of Exeter, *The Once and Future Glen: Southwestern Writers on the Promise of a "Glen Canyon Restored".*

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6:00 Justin Stefanik, Dr.*, Carleton University, *'Souls' of the Soil: Drought and the Normalization of the Canadian Dry-land Prairies.*

1658. Do we need a comparative ruralism? (Sponsored by Rural Geography Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Martin Phillips, University Of Leicester;
 Darren Smith, Loughborough University
 CHAIR(S): Martin Phillips, University Of Leicester
 Introducer: Martin Phillips

4:45 Rohit Madan, PhD*, *Comparative Ruralism in Agri-Tourism: Contestations and Politics between the Global North and South.*

5:05 Martina Neuburger*, University of Hamburg, *Entangled ruralities - intertwinings, hierarchies, hybridities.*

5:25 Chloe Kinton*, Loughborough University; Darren P Smith, Loughborough University; Martin Phillips, University of Leicester; Hélène Ducros, University of Leicester, *Rural gentrification in the British countryside: comparing different area-level classifications of rurality.*

5:45 Darren Smith*, Loughborough University; Martin Phillips, University of Leicester; Peter Nelson, Middlebury College; Chloe Kinton, Loughborough University, *Cross-national studies of rural gentrification: compromise and negotiation.*

Discussant(s): Michael Woods, Aberystwyth University

1659. Asia Symposium Keynote Lecture: Henry Yeung, "Rethinking Asia in the New Global Economy" (Sponsored by Asian Geography Specialty Group, Economic Geography Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Michael R. Glass, University of Pittsburgh
 CHAIR(S): Michael R. Glass, University of Pittsburgh
 Introducer: Michael R. Glass
 Panelists: Henry Wai-chung Yeung, National University of Singapore

1660. Cultural Geographies: Place Attachments and Identity

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ragnhild Claesson, Malmö University
4:40 Keichi Kumagai*, Ochanomizu University, *Reflection on Local Sensitivity from the Japanese sense of 'fudo' (milieu):.*

5:00 IN HYE OH*, Seoul National University, *North Korean Refugee's Right to Express the Affection on the Home Town: Through Human Right Perspective.*

5:20 Alana N. Seaman, M.Sc.*, Clemson University - Department of Parks, Recreation, & Tourism Management; James R. Farmer, Ph.D., Indiana University - Department of Recreation, Park, & Tourism Studies; H. Charles Chancellor, Ph.D., Clemson University - Department of Parks, Recreation, & Tourism Management; Agnes Sirima, Ph.D., Clemson University - Department of Parks, Recreation, & Tourism Management; John Mgonja, Ph.D., Clemson University - Department of Parks, Recreation, & Tourism Management, *Conservation Volunteerism, Land Donation, and Nostalgia.*

5:40 Bartlett Ashford Bickel*, BBickel - consulting landscape geographer, *Wayfinding the history of the Great Dismal Swamp.*

6:00 Ragnhild Claesson*, Malmö University, *Enforcing or glocalising scales? Contradictory cultural heritage practices of sustaining the city.*

1662. Critical policy mobilities: thickening theorizations of circulated knowledge (ii) (Sponsored by Urban Geography Specialty Group)

Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Astrid Wood, University College London
 CHAIR(S): Astrid Wood, University College London
4:40 Andrew Harris*, University College London, *Belated Mobilities: the Here and There of Transport Planning in Mumbai.*

5:00 Jorn Koelemaj*, Ghent University; Stefan Jankovic, University of Belgrade, *Mobile Urban Megaproject Policies: How Abu Dhabi Constructs Belgrade's Waterfront.*

5:20 Malve Jacobsen*, Goethe University Frankfurt, *Approaching the Objects Themselves: Methodological Theorizations of Global BRT Model(s).*

5:40 Tom Becker*, University of Luxembourg, *Evidence-based policy making or policy-based evidence making: The politics and failures of policy mobilities in EU sustainable urban development initiatives.*

Discussant(s): Kevin Ward, University of Manchester

1663. Resilience and Tourism Development: Governance Strategies in the Transition towards Sustainability (I) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Jarkko J. Saarinen, University of Oulu; Alison M. Gill, Simon Fraser University

CHAIR(S): Jarkko J. Saarinen, University of Oulu
4:40 Alan A. Lew, PhD, AICP*, Northern Arizona University; Chin-cheng (Nickel) Ni, PhD, National Hsin Chu University of Education, Taiwan; Tsung-chiung (Emily) Wu, PhD, National Dong Hwa University, Taiwan; Pin T. Ng, PhD, Northern Arizona University, *Resilience and Sustainability as Alternative Community Tourism Development Paths: Lessons from Taiwan.*

5:00 Jarkko J. Saarinen*, University of Oulu, Finland, *Resilience of Tourism Destinations: Sustainability and the Adaptive Capacity of Tourism Resorts.*

5:20 Caroline Orchiston, PhD*, University of Otago; Stephen Espiner, PhD, Lincoln University, New Zealand; James Higham, PhD, University of Otago, New Zealand, *Exploring the interconnections between Resilience and Sustainability in the tourism industry, using case studies from nature-based tourism in New Zealand..*

5:40 Jasper Hessel Heslinga*, University of Groningen, *The potential of tourism for building social-ecological resilience: exploring governance processes in the Dutch Wadden Area.*

1664. Spatial Analysis and Modeling

Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Melanie Phillips, Oak Ridge National Laboratory
4:40 Melanie Phillips*, Oak Ridge National Laboratory; Jeanette Weaver, Oak Ridge National Laboratory; Dilip Patlolla, Oak Ridge National Laboratory, *Incorporating the Non-Homogeneous Feature Difference Ratio into SMTTool.*

5:00 Song Shu*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Frédéric Frappart, University of Toulouse; Emily L. Kang, University of Cincinnati; Lei Wang, Louisiana State University; Kenneth M. Hinkel, University of Cincinnati, *Improving ICESat Measurements Using Probabilistic Relaxation Labeling.*

5:20 Cheng-Zhi Qin*, State Key Lab of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research, CAS; Bei-bei AI, State Key Lab of Resources and Environmental Information System, Institute of Geographic Sciences and Natural Resources Research,

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CAS, *Deriving the spatial distribution of specific catchment area by applying a differential equation to gridded digital elevation models.*

- 5:40** Lianling Su*, Kansas State University; Shawn J.M Hutchinson, *Understanding Weather and Climate Information Consumptions to Motivate Consideration of Climate Change in Agricultural Production.*
- 6:00** Eunmok Lee*, *Comparison of Terra and Aqua MODIS 250 m NDVI for Crop Separability.*

1665. What is to be done with World Regional Geography?

- Room:* Nikko Ballroom II, Hotel Nikko, 3rd Floor (Panel Session)
 ORGANIZER(S): Conor Harrison, University of North Carolina; Majed Saeed Akhter, Indiana University
 CHAIR(S): Majed Saeed Akhter, Indiana University
 Panelists: Conor Harrison, University of North Carolina; Sallie A. Marston, University of Arizona; Sara H. Smith, University of North Carolina; Majed Saeed Akhter, Indiana University; Stevie Larson, University of North Carolina - Chapel Hill; Ishan Ashutosh, Indiana University

1667. Material Lives: Resisting Infrastructures and Infrastructures of Resistance (IV) (Sponsored by Cultural and Political Ecology Specialty Group)

- Room:* Monterrey I, Hotel Nikko, 3rd Floor (Panel Session)
 ORGANIZER(S): Omar Jabary Salamanca, Middle East and North Africa Research Group
 CHAIR(S): Omar Jabary Salamanca, Middle East and North Africa Research Group
 Discussant(s): Stephanie Wakefield, CUNY Graduate Center; Manissa Maharawal, CUNY - Graduate Center
 Panelists: Alex Wafer; Nicholas Beuret, Hobart and William Smith Colleges; Omar Jabary Salamanca, Middle East and North Africa Research Group; Vyjayanthi Rao

1668. Food Security: Case Studies from Africa and India (Sponsored by Geographies of Food and Agriculture Specialty Group)

- Room:* Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Maction Komwa, George Mason University
4:40 Hong Yang*, Swiss Federal Institute for Env Sci and Tech, *Managing Water and Nutrients for Food Security - Unleashing Sub-Saharan Africa's Potential.*
5:00 Khushvir Singh Saini*, Ph.D. Student, Department of Geography, Panjab University, Chandigarh, India; Dhian Kaur, Professor, Department of Geography, Panjab University, Chandigarh, *Spatial Patterns of Food Security in Punjab (India): A Block Level Study.*
5:20 Savita Ahlawat*, Ph.D Student, Department of Geography, Panjab University, Chandigarh, India; Dhian Kaur, Professor, Department of Geography, Panjab University, Chandigarh, India, *Food and Nutrition Security: An Indian Experience.*
5:40 Maction K Komwa**, Department of Geography & GeoInformation Science, George Mason University, 4400 University Dr., Fairfax, VA 22030; Dawn C Parker, School of Planning, Faculty of Environment, University of Waterloo, 200 University Avenue West, Waterloo, ON N2L 3G1, Canada; David J Armor, School of Public Policy, George Mason University, 4400 University Dr. Fairfax, VA 22030; Kathryn H Jacobsen, Department of Global and Community Health, George Mason University, 4400 University Dr. Fairfax, VA 22030, *Food security, household caloric availability, and HIV status in Mayuge district, Uganda.*

1670. Historicizing Big Data and Geo-information II (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group)

- Room:* Carmel II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Oliver Belcher, University of Durham
 CHAIR(S): Oliver Belcher, University of Durham
4:40 Louise Amooore*, Durham University, *History, Algorithm, Ethics.*
5:00 Matthew G. Hannah*, Universität Bayreuth, *Terrorism, 'Big Brother' and data protection in pre-1984 West Germany.*
5:20 Patrick McHaffie*, Depaul University, *Postwar Metropolitan Transportation Planning: CATS, Digitizing Desire, and the Cartographatron.*
5:40 Eric M. Huntley, MUP*, University of Kentucky, *Prosthesis for the Landscape: Ian McHarg and the Failure of Computerized Ecological Planning.*
 Discussant(s): Mark Graham, University of Oxford

1671. Rail Landscapes II: High-Speed Rail - Development, Integration and Crisis (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)

- Room:* Golden Gate Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Michael Minn, University of Illinois
 CHAIR(S): Michael Minn, University of Illinois
4:40 Hyojin Kim*, University of North Carolina at Greensboro; Selima Sultana, University of North Carolina at Greensboro, *The integrated multi-modal network approach for accessibility assessment of railway improvement plan in the United States.*
5:00 Yun Zhao*, Oklahoma State University; Hongbo Yu, Oklahoma State University, *Challenge of the Last Mile? Assessing the Accessibility Impact of the Proposed High-speed Rail between Dallas and Houston at the Intra-city Level.*
5:20 Haoran Yang*, Utrecht University, *Comparing passenger flow and train flow data for analyzing high speed railways traffic and urban networks in China.*
5:40 Andrew Ryder, D.Phil (Oxon)*, The University of Portsmouth, UK, *High speed rail in Poland and Eastern Germany: slow and steady wins the race.*
6:00 Hildebrand Julia, M.A.*, Drexel University; Mimi Sheller, Ph.D., Drexel University, *Finding New Narratives for Rail in the US: A Report on the ImagineTrains Workshop with Rail Decision Makers and Thought Leaders.*

1672. How To Become a Biogeographer: Advice From An Early-Career Panel (Sponsored by Biogeography Specialty Group)

- Room:* Bay View Room, Hotel Nikko, 25th Floor (Panel Session)
 ORGANIZER(S): Christopher Todd Kaase, University of South Carolina
 CHAIR(S): Christopher Todd Kaase, University of South Carolina
 Panelists: Aquila Flower, Western Washington University; Kimberly Meitzen, Texas State University; Melanie Stine, University of Texas at San Antonio; Arvind Aniel Rombawa Bhuta, USDA - US Forest Service - Region 6 - Regional Office - Natural Resources Branch

1673. New insights, approaches and challenges in the field of socio-hydrology 2 (Sponsored by Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group, Water Resources Specialty Group)

- Room:* Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Paul F. McCord, Indiana University; Morgan C. Levy, University of California, Berkeley; Drew Gower, Princeton University
 CHAIR(S): Drew Gower, Princeton University
4:40 Sarmistha Chatterjee*, Ph.D. Candidate, University of Delaware; Dr. Melinda D. Daniels, Associate

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Research Scientist, Stroud Water Research Center; Dr. Jason Bergtold, Associate Professor, Department of Agricultural Economics, Kansas State University; Dr. Marcellus M. Caldas, Associate Professor, Department of Geography, Kansas State University; Dr. Aleksey Sheshukov, Assistant Professor, Biological and Agricultural Engineering, Kansas State University; Dr. Jungang, Gao, Post-Doctorate Research Associate, Biological and Agricultural Engineering, Kansas State University, *Modeling small dam fragmentation and climate change impacts on the hydrology of the Smoky Hill Basin, Kansas.*

- 5:00** Nathan Van Schmidt*, UC-Berkeley; Tracy Hruska, UC-Berkeley; Matthew Shapero, UC-Berkeley; Lynn Huntsinger, UC-Berkeley; Steve Beissinger, UC-Berkeley, *Wetlands in a Working Landscape: impacts of interactions between irrigation systems and drought in a complex coupled system.*
- 5:20** Daniel Larson*, Portland State University, *When You Drink Water, Consider the Source: An Assessment of Water Customer Support for Source Water Protection.*
- 5:40** Heejun Chang*, Portland State University, *Living with uncertainty: Coevolution of human-water systems in urban streams.*

1674. Breathable Diversity: Comparative Urban Perspectives

- Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Anna Cieslik, New Jersey City University, Geoscience and Geography Dept.; Junjia Ye, Massey University
 CHAIR(S): Junjia Ye, Massey University
4:40 Anna Cieslik*, New Jersey City University, Geoscience and Geography Dept., *The Visions of the Neighborhood: Superdiversity in Astoria, NY.*
5:00 Peter E. Hopkins*, Newcastle University; Katherine Botterill, Napier University; Gurchathen Sanghera, University of St Andrews, *Race, Nation and Politics in Scotland: Exploring Young People's Understandings of Ethnic and Religious Diversity.*
5:20 Loren B. Landau, PhD*, University of the Witwatersrand; Junjia Ye, PhD, Massey University, *(Re)Scaling Urban Diversity: Comparing Singapore's Jurong West and Johannesburg's Urban Estuaries.*
5:40 Ain Bailey*, Birkbeck, University of London: Dept of Geography, Environment and Development Studies, *Congregation: Superdiversity and the Making of Public and Sonic Spaces.*
6:00 Martin Locret-Collet*, University of Birmingham (UK), *Finding a Common Ground: The Importance of Open and Green Spaces in Socially and Culturally Diverse Neighbourhoods.*

Discussant(s): Francis L. Collins, University of Auckland

1675. Water Resources, Groundwater, and Water Politics

- Room: Paris North, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Alan Yeakley, Portland State University
4:40 Mike Pease*, Central Washington University, *Which Inmates are Running the Water Asylum?.*
5:00 Mary E Nienkamp*, USC; mary e nienkamp, University of Southern California, *Evaluating Surface Casing Depths of Oil & Gas Operations in an Effort to Protect Local Groundwater: A GIS Enabled Process.*
5:20 Shannon Mazzei*, University of Wyoming; Thomas Minckley, University of Wyoming, *Administration, Regulation and Water Management Within Federal, State and Private Organizations in Southeastern Arizona.*
5:40 Alan Yeakley*, Portland State University; Colin Thorne, University of Nottingham; Emily Lawson, University of Nottingham, *Social and Environmental Aspects of Sustainable Flood Risk Management in an Urban*

Stream in Portland, Oregon, USA.

- 6:00** Ranbir S Kang*, Western Illinois University, *Spatial pattern of ground water level in a high intensity irrigated agriculture region- a case study of Bist Doab Punjab, India.*

1676. Regional Second Cities

- Room: Paris South, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Mark Pendras, University of Washington Tacoma
 CHAIR(S): Mark Pendras, University of Washington Tacoma
4:40 Mark Pendras*, University of Washington Tacoma, *Towards a theory of regional second cities.*
5:00 Matt Kelley, PhD*, University of Washington Tacoma, *Mapping and Counter-mapping for Livable Neighborhoods.*
5:20 Marc Doussard*, University of Illinois at Urbana-Champaign, *The Uneven Development of Inequality Politics.*
5:40 Stephen Boatright*, CUNY Graduate Center; Alan Wiig*, University of Massachusetts, Boston, *The Cincinnati Surprise: Inner-city redevelopment through post-democratic strategies.*
6:00 Rahel Meili, University of Bern; Heike Mayer*, University of Bern, *Looking beyond metropolitan centers in Switzerland: An analysis of small and medium-sized towns.*

1677. Pedagogy or prerogative: fostering independent undergraduate research at San Jose State University

- Room: Athens North, Marker Hotel, Lower Level (Paper Session)*
 ORGANIZER(S): Kerry Rohrmeier, San Jose State University
 CHAIR(S): Kathryn Davis, San Jose State University
4:40 Kathryn Davis, Ph.D.*, San Jose State University, *Rethinking course development: what happens when students design courses?.*
5:00 Gabriela Crowley*, San Jose State University, *Global Studies in the 21st Century: Using a student-driven approach to foster global comprehension and leadership.*
5:20 Kerry Rohrmeier, PhD AICP*, San Jose State University, *Creating an Intentional Classroom Community: Lessons from Burning Man.*
5:40 Luke Randall*, San Jose State University, *Soda Fountain Gossip: The Community Role of Pharmacies in Japantown, San Jose.*
6:00 Jay Van Biljouw*, San Jose State University, *Departure to Reality: Cultural Authenticity on the Pacific Crest Trail.*

1678. Characterizing land cover and land cover change using remote sensing - Progress and Challenges (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Urban Geography Specialty Group)

- Room: Athens South, Marker Hotel, Lower Level (Paper Session)*
 ORGANIZER(S): George Xian, USGS EROS Data Center; Jim Vogelmann, USGS/EROS
 CHAIR(S): Jim Vogelmann, USGS/EROS
4:40 Michaela Buenemann*, New Mexico State University; Holly Baker, New Mexico State University; Cornelis Van Der Waal, Agri-Ecological Services; Jeffrey E. Herrick, USDA-ARS Jornada Experimental Range, *Woody plant cover mapping in drylands using remotely sensed and crowdsourced field data.*
5:00 Xu Yang*, Department of Anthropology, Geography and Environmental Studies, California State University East Bay; David Woo, Dr., Department of Anthropology, Geography and Environmental Studies, California State University East Bay, *Changing Vegetation covers in the Loess and Tibetan Plateaus of China: A Change Detection Analysis Using MODIS and TM Data.*
5:20 Yue Wu*, Binghamton University, *Mapping urban extent by combining nighttime light and landsat imagery.*

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- 5:40** Adam D. Griffith*, University of North Carolina - Charlotte; Noel Pavlovic, USGS; Ralph Grundel, USGS, *Resilience of plant primary productivity to climate variability in U.S. Great Lakes National Parks.*
- 6:00** Jim Vogelmann*, USGS/EROS; Hua Shi, Inuteq, USGS/EROS Center; Zhe Zhu, Inuteq, USGS/EROS Center; Alisa Gallant, USGS/EROS Center, *Monitoring Gradual Ecosystem Change using Landsat Time Series Data.*
- 1679. Author Meets Readers. James Ferguson, "Give a Man a Fish: Reflections on the New Politics of Distribution" (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: Vienna North, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Jenny Cameron, University of Newcastle; Katherine Gibson, University of Western Sydney
 CHAIR(S): Jenny Cameron, University of Newcastle
 Introducer: Jenny Cameron
 Panelists: Katherine Gibson, University of Western Sydney; Colin Marx; Sophie Oldfield, University of Cape Town; Katharine Mckinnon, La Trobe University; James Ferguson, nyStanford University - Stanford, CA
- 1680. Nationalism: Future directions and new questions (Sponsored by Political Geography Specialty Group)**
Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Natalie R. Koch, Syracuse University; Pauliina Raento, University of Helsinki
 CHAIR(S): Gerard Toal, Virginia Tech
4:40 Pauliina Raento*, University of Helsinki, *Nationalism, Resistance, and the Horse in Finland.*
5:00 Marco Antonsich*, Loughborough University, *Talking nation between neoliberalism and cultural essentialism.*
5:20 Lorraine Dowler*, Penn State University, *Shattering the Brass Ceiling: A Catch-22!*
5:40 Natalie R. Koch*, Syracuse University, *Is nationalism just for nationals? Civic nationalism for noncitizens and celebrating National Day in Qatar and the UAE.*
 Discussant(s): Gerard Toal, Virginia Tech
- 1681. Legal Geographies III: Law's logics and subjectivities**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Melinda Harm Benson, University of New Mexico
 CHAIR(S): Melinda Harm Benson, University of New Mexico
 Introducer: Melinda Harm Benson
4:41 Serin Houston*, Mount Holyoke College; Olivia Lawrence-Weilmann, Mount Holyoke College, *The Model Migrant and Multiculturalism: Analyzing Neoliberal Logics in US Sanctuary Legislation.*
5:01 Melinda Harm Benson*, University of New Mexico, *Law, ontology and the new materialism.*
5:21 Stewart Williams, PhD*, University of Tasmania, *The place of law in contests over drug user services: from international treaties to municipal governance.*
5:41 Joshua F. Inwood*, University of Tennessee, *Race, Law and the Gun: Settler Colonialism, Legal Reasoning and the Logics of Genocide in the US Gun Rights Debate.*
 Discussant(s): Robyn L. Bartel, University of New England, Australia
- 1682. Art and Atmosphere (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group)**
Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Jonathan Bratt, Arizona State University; Jennifer L. Kitson, Rowan University; Kevin E. McHugh, Arizona State University
 CHAIR(S): Jonathan Bratt, Arizona State University
4:40 Kathleen Shafer, PhD*, Independent, *The Artist's Approach to Geography: The Airfield and its Contribution to the Landscape.*
5:00 Angela Sakrison*, Arizona State University, *Cut and Paste Landscapes: Environmental Attunement in Contemporary Collage.*
5:20 Angela Person, PhD Candidate*, The University of Oklahoma, *"Is there some message here?": Feelings of Architecture at the Hirshhorn Museum.*
5:40 Jennifer L. Kitson*, Rowan University; Kevin E. McHugh, Arizona State University, *Olfactory Attunements-- Vapors, Volatiles and other Airborne Matters.*
6:00 Jonathan Bratt*, Arizona State University, *Urban Atmospherics in A Dream of Hua in the Eastern Capital.*

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- 1715. AAG Annual Meeting Opening Session**
 Tuesday, March 29, 6:30 p.m. - 8:00 p.m.
Room: Continental 5, Hilton Hotel, Ballroom Level
- Welcoming Remarks: **Douglas Richardson**, American Association of Geographers
- Presidential Plenary: "Thriving in a Time of Disruption in Higher Education" – Plenary Session**
- Organizer and Moderator: **Sarah Witham Bednarz**, AAG President, Texas A&M University
- Panelists:
Jenny J. Zorn, California State University
Elizabeth A. Wentz, Arizona State University
Kavita K. Pandit, University of Georgia
Yonette Thomas, American Association of Geographers
Kristopher N. Olds, University Of Wisconsin-Madison
- Kicking off the Geography Education Featured Theme, Sarah Bednarz' Presidential Plenary session: "Thriving in a Time of Disruption in Higher Education" will discuss the challenges facing scholars and departments within the discipline of geography.

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

For special events, please see the Special Events & Meetings Summary on pages 54-58.

**Download the AAG 2016 Mobile App for
iOS, Android and Blackberry**



WEDNESDAY, MARCH 30 • Poster Sessions

GIS & Technology Poster Session - Featured Session

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level

Poster setup: 7:30 a.m. - 8:00 a.m.

Poster display and discussion: 8:00 a.m. - 11:40 a.m.

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)

- Kota Hattori*, Faculty of Integrated Arts and Sciences, Tokushima University; Akihiro Tsukamoto, Faculty of Integrated Arts and Sciences, Tokushima University; Adam Hutchinson, GeoZone, *Poster #001: Examination of travellers information search with a mobile application.*
- Weihua Hua, China University of Geosciences(Wuhan); Weiping Deng*, Hubei University of Economics, *Poster #002: Modeling 3D Geological Subsurfaces Based on SVM Classifications.*
- Michael Aaron Snyder*, Eastern Washington University; Drew Adams, Eastern Washington University; Stacy Warren, Eastern Washington University, *Poster #003: Higher Education for Some? A critical GIS analysis of accessibility to dual enrollment programs in Washington State.*
- Greg Farley*, Idaho State University, *Poster #004: Patterns of Organization and Genocide: The 1915 Deportation of Armenia.*
- Melinda Kernik*, University of Minnesota, *Poster #005: Using roads, lights, and land cover to distribute global populations.*
- Min Cao*, Nanjing normal university, *Poster #006: A inspired approach to define transition rules for a cellular automaton model used to simulate urban expansion.*
- Ashley Davis*, Department of Geography, Indiana University-Purdue University Indianapolis; Jeffrey S Wilson, PhD, Department of Geography, Indiana University - Purdue University Indianapolis; Komal Kochhar, MBBS, MHA, Family Medicine, Indiana University School of Medicine; Colleen O'Brien, JD, MPH, Indiana University School of Medicine; Mike Dance, Education Operational Services, Indiana University School of Medicine; Peter Nalin, M.D., FAAFP, Family Medicine, Indiana University School of Medicine, *Poster #007: Integrating GIS in a Statewide Medical Education Administrative System.*
- Suresh Muthukrishnan*, Furman University, Greenville, SC; Mike Winiski, Furman University, Greenville, SC, *Poster #008: Drone Technology for Low-Cost Precision Mapping on Campus and in the Community.*
- Jun Luo*, Missouri State University, *Poster #009: Multi-scale Spatial-Time cluster analysis of crime incidents.*
- Marta Blanco Castano*, University of Denver; John Harner, University of Colorado Colorado Springs; Glenn Xavier, University of Colorado Colorado Springs, *Poster #010: Animated Map of the UCCS Historical Geography.*
- Kathryn Clark*, Furman University; Suresh Muthukrishnan, Furman University, *Poster #011: Development and Application of a WebGIS based Facilities Management and Decision Support System.*
- Rafael Guimaraes Ramos*, University of California - Santa Barbara; Keith Clarke, University of California - Santa Barbara; Bráulio Figueiredo Alves da Silva, Universidade Federal de Minas Gerais, *Poster #012: Exploring the spatial-temporal relations between burglary and socioeconomic factors using GIS.*
- Ming-chih Hung*, Northwest Missouri State University; Yi-Hwa Wu, Ph.D., Northwest Missouri State University, *Poster #013: Comparison of student origins from an online program to overall student body: A case study from a regional public university.*
- Taylor Holden*, University of Richmond, *Poster #014:*

Collaborative GIS Education: Diversity and Carbon Content of Campus Trees.

- Xin Cao*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *Poster #015: A Posterior Possibility-based Optimal Scales Selection for Object Extraction in Remotely Sensed Data.*
- Hongyun Chen*, Embry-Riddle Aeronautical University; Yuan Tian, Embry-Riddle Aeronautical University, *Poster #016: Arc GIS-Based Secondary Crash Identification in Florida.*
- Yuting Zhang, Wuhan University, China; Ruhan Wang*, Wuhan University; Min Weng, Wuhan University, China; You Wan, Wuhan University in China, *Poster #017: Comparative spatial hot spots analysis for native and non-native people activities based on Sina Weibo check-in data.*
- Pooya Najaf*, Ph.D. Candidate of INES Program, The University of North Carolina at Charlotte; Milton Greg Fields, Ph.D., Department of Geography and Earth Science, The University of North Carolina at Charlotte; Jean-Claude Thill, Knight Foundation Distinguished Professor, Department of Geography and Earth Science, The University of North Carolina at Charlotte, *Poster #018: Comprehensive Analysis of Factors of Traffic Safety in Urban Areas.*
- Kurstyn Casey*, University of Colorado - Denver, *Poster #019: Envisioning and Interpreting the Urban Past: GIS Reconstruction of Historic Auraria.*
- Xuehong Chen*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Bo Chen, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Yasushi Yamaguchi, Graduate School of Environmental Studies, Nagoya University, *Poster #020: Estimate Reservoir Storage by Landsat Imagery and ASTER DEM Data.*
- Ian M. Pritchard*, Centre for Planetary Science and Exploration (CPSX), Department of Geography, Western University; Jinfei Wang, Ph.D., Centre for Planetary Science and Exploration (CPSX), Department of Geography, Western University; Philip J. Stooke, Ph.D., Centre for Planetary Science and Exploration (CPSX), Department of Geography, Western University, *Poster #021: Examination of an Elevation-based Impact Crater Detection Technique.*
- Adam Clark*, Texas State University, *Poster #022: Examining the Implications of Contraflow Evacuations in Mobile, Alabama.*
- Tess Rivenbark*, University of South Florida St Petersburg; Barnali Dixon, PhD, University of South Florida St Petersburg; Chris Stallings, PhD, College of Marine Science, University of South Florida, *Poster #023: Integrated GIS and Remotely Sensed Method: A comparison of cost and accuracy for sea grass mapping.*
- Earle W Isibue*, Northern Illinois University; Thomas J Pingel, PhD, Northern Illinois University, *Poster #024: LiDAR Mapping for Merged Interior and Exterior 3D Modeling.*
- Yuyao Ye*, Shengfa Li, Institute of geographic sciences and natural resources research; Hongou Zhang, Guangzhou Institute of Geography, *Poster #025: Mapping Land-use Efficiency of Built-up Area in the Pearl River Delta Megalopolis Based on Remote Sensing Data.*
- Zach Alan Zoet*, Minnesota State University, Mankato, *Poster #026: Multivariate Regression Analysis of Significant Attacks on American Embassies in Middle East, North Africa, and Central Asia.*
- Wenzhuo Li*, School of Remote Sensing and Information Engineering, Wuhan University; Kaimin Sun, State Key Laboratory of Information Engineering in

WEDNESDAY, MARCH 30 • Poster Sessions

- Surveying, Mapping, and Remote Sensing, Wuhan University, *Poster #027: Object Oriented Building Detection from UAV Imagery Using Context Edge Information and Multi-level Feature.*
- Xihong Cui*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Wentao Li, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *Poster #028: Plant roots automatic recognition in GPR images based on Randomized Hough Transform.*
- Malcolm Martin Simpson*, SUNY Geneseo, SUNY Geneseo Office of Sustainability, *Poster #029: Slope Analysis and Sustainable Landscaping at SUNY Geneseo.*
- Pengfei Li*, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University; Kaimin Sun, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, *Poster #030: Some acceleration strategies for UAV imagery registration in urgent response.*
- Meredith B Hoos*, University of North Carolina Wilmington, *Poster #031: Spatial Analysis of the Trap-Neuter-Return Method for Feral Cat Population Control in Nashville, TN.*
- Aimee H Moles, LCSW, PhD.*, Louisiana State University, *Poster #032: Spatial and Temporal Analysis of Selected Birth Defects and Risk Factors in the Baton Rouge, Louisiana Metropolitan Statistical Area.*
- Xin Fan*, China University of Geosciences(Wuhan), *Poster #033: Stimulation on land use/land cover change in the Qinghai province Based on CLUE-S Model.*
- Jin Chen*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Lei Ma, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Dawei Wang, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *Poster #034: The effect of mixed pixels caused larger uncertainty of remotely sensing-based phenology detection: a simulation validation.*
- Nilupaer Julaiti*, Miami University, *Poster #035: The web-based geospatial techniques for disaster management : a review.*
- Matt Dooley*, University of Wisconsin - River Falls; David Bergs, University of Wisconsin - River Falls, *Poster #036: Visualizing Change in Plant Hardiness Zone Maps: 1990-2015..*
- Kyoungtae Kim, University of Seoul; Jaemin Song*, University of Seoul, *Poster #037: Vulnerability Assessment of Road Network in Seoul using Network Centrality Metrics.*
- Jia DU*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Xiafang YUE, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yaping YANG, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; xiadan ZHAO, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Poster #038: WebGIS-based Natural Disaster Information System of China.*
- Hyeondeok Kim*, Spatial Information Research Institute, Korean Land And Geospatial Informatix Corporation; JunSeok LEE, Spatial Information Research Institute, Korean Land And Geospatial Informatix Corporation; InSu LEE, Spatial Information Research Institute, Korean Land And Geospatial Informatix Corporation, *Poster #039: The Study on the Method of Building the Insurance Object Database and GIS Analysis.*
- Cadi Fung*, Michigan State University; Brad Peter, Michigan State University, *Poster #040: Habitat Modeling From Above: Using Remotely Sensed Data to Identify Suitable Conditions for the Amazon River Dolphin.*
- Jakob Sacket*, Hofstra University; Sandra J Garren, PH.D, Hofstra University, *Poster #041: The Municipal Policy Response from Elevated Pathogens in the Mill Neck Creek Sub-Watershed, Northern Nassau County, Long Island, New York.*
- Qian Ma, State Key Laboratory of Earth Surface Processes and Resource Ecology, College of Global Change and Earth System Science, Beijing Normal University; Qian Ma*, *Poster #042: Impact of Geolocations of Validation Data on the Evaluation of Surface Incident Shortwave Radiation from Earth System Models.*
- Neusa Hidalgo Monroy*, University of Toledo, *Poster #043: Geospatial technology instruction by youth to youth.*
- Elena Istomina*, V.B.Sochava Institute of Geography SB RAS; Tatiana Konovalova, Dr. V.B.Sochava Institute of Geography SB RAS, *Poster #044: The Mapping of Geosystems of Baikal Region and Their Sustainability, Self-organization, Dynamics and Evolution.*
- Jaclyn Hall, Ph.D.*, University of Florida, *Poster #045: Spatial analysis of emergency department super-utilizers.*
- Xi Gong*, Texas Center for Geographic Information Science, Department of Geography, Texas State University; F. Benjamin Zhan, Texas Center for Geographic Information Science, Department of Geography, Texas State University; Yan Lin, Department of Geography, South Dakota State University, *Poster #046: Exploring Associations between Air Emission from Industry Facilities and Low Birth Weight in Offspring Using Big Geographic Data.*
- Yu Sun*, Institute for Environmental & Spatial Analysis, University of North Georgia; Jingshu Mao, Center for Population and Health Research, Nanjing Youdian University, China; Zhanhong Zong, Center for Population and Health Research, Nanjing Youdian University, China; Xingyu Shu, Center for Population and Health Research, Nanjing Youdian University, China; Xiaoming Sun, Center for Population and Health Research, Nanjing Youdian University, China, *Poster #047: Geospatial analysis of reproductive health status of women in rural China.*
- Ramesh Sivanpillai, Wyoming Geographic Information Science Center & Department of Botany, University of Wyoming; Mike Prichard, Wyoming Geographic Information Science Center, University of Wyoming; Timothy Warner*, West Virginia University, *Poster #048: Quantifying The Influence Of Landsat Spectral Index Threshold Values On Mapping And Estimating Changes In Glacier Surface Area.*
- Matthew L Clark, PhD*, Sonoma State University, *Poster #049: Comparison of Hyperspectral and Multispectral Satellites for Discriminating Land Cover in Northern California.*
- Xiaomeng Li*, Department of Geography, Michigan State University; Ran Wang, Department of Earth and Atmospheric Sciences, University of Alberta; Igor Vojnovic, Department of Geography, Michigan State University, *Poster #050: Detecting neighborhood vacancy in the Detroit Region with remote sensing.*
- Guishan Yang*, Nanjing Institute of Geopgraphy and Limnology, Chinese Academy of Sciences, *Poster #051: Comparison of random forests and other statistical methods for the prediction of lake water level, a case study of the Poyang Lake in China.*
- Yili Zhang*, Institute Of Geographic Sciences And Natural Resources Research (Igsnrr), Cas; Zhongjun Hu, Igsnrr, Cas; Wei Qi, Igsnrr, Cas; Xue Wu, Igsnrr, Cas; Wanqi Bai, Igsnrr, Cas; Linshan Liu, Igsnrr, Cas; Mingjun Ding, Igsnrr, Cas; Zhaofeng Wang, Igsnrr, Cas; Lanhui Li, Igsnrr, Cas; Du Zheng, Igsnrr, Cas, *Poster #052: Assessment Of Effectiveness Of Nature Reserves On*

WEDNESDAY, MARCH 30 • Poster Sessions

- The Tibetan Plateau Based On Net Primary Production And The Large Sample Comparison Method.*
Janardan Mainali*, University of North Carolina- Wilmington; Narcisca Pricope, University of North Carolina Wilmington, *Poster #053: Spatial Assessment of Climate Vulnerability in Nepal: Exploring the Role of Multiple Scales and Approaches.*
- Derek Joseph Jurestovsky*, East Tennessee State University - Johnson City, TN; Andrew Joyner, East Tennessee State University, *Poster #054: Applications of species distribution modeling for paleontological fossil detection: Late Pleistocene models of Saiga (Artiodactyla: Bovidae, Saiga tatarica).*
- Jennifer Duong*, Clark University; Zhilan Deng*, Clark University, *Poster #055: Characterizing the Anthropogenic and Environmental Contributions to H5N1 Occurrences in The Mekong Delta Region in Southern Vietnam from 2003 and 2007.*
- Steven Douglas Moore, Ph.D.*, Center for Spatial Studies; Gary Scott, Ed.D., University of Redlands, *Poster #056: Spatial STEM+C: Evaluation of a Model Spatial Thinking Curriculum.*
- Melissa Haeffner*, Utah State University; Douglas Jackson-Smith, Utah State University; Jordan Risley, Utah State University, *Poster #057: Differential access to environmental amenities and disamenities.*
- Cass Henry Honebein*, University of Denver, *Poster #058: Living in the Dark: Failed States and the Earth at Night.*
- Jason Smith*, Salem State University, *Poster #059: The Shaker Holy Land: A LiDAR Archeological Survey.*
- Randy Alan Knoll*, University of North Carolina - Wilmington; Eman Ghoneim, Dr., University of North Carolina Wilmington, Department of Geography and Geology; Nora Reber, Dr., University of North Carolina Wilmington, Department of Anthropology; Scott Nooner, Dr., University of North Carolina Wilmington, Department of Geography and Geology; Yvonne Marsan, University of North Carolina Wilmington, Department of Geography and Geology; Vincent Melomo, Dr., William Peace University; Thomas Beaman, Wake Tech Community College, *Poster #060: Ground Penetrating Radar Survey at Selected Historical Archaeological Sites on the Lower Cape Fear River, North Carolina.*
- Colleen M. Garrity*, SUNY-Geneseo; Kristina Hannam, SUNY Geneseo; Ken Cooper, SUNY Geneseo; Elizabeth Argentieri, SUNY Geneseo, *Poster #061: Bridging campus projects to encourage place-based research and mapping across disciplines.*
- Sofia Sabates*, Kansas State University; Marcellus Caldas, Kansas State University; Paulo de Marco Júnior, Universidade Federal de Goiás; Gabriel Granco, Kansas State University; Tyler Link, Kansas State University, *Poster #062: Agriculture production impacts on Cerrado Biodiversity: a land use analysis.*
- David James Leifer, Student*, Angling Technologies; Cyril Wilson, University of Wisconsin-Eau Claire, *Poster #063: Development of a multi-platform volunteered geographic information application for monitoring invasive species of Asian Carp in the Upper Mississippi River System.*
- Bryan Christopher Runck*, University of Minnesota; David Pitt, PhD, University of Minnesota; Madeline Goldkamp, University of Minnesota; Alexander Heid, University of Minnesota; Nicholas Jordan, PhD, University of Minnesota; Carissa Slotterback, PhD, University of Minnesota; David Mulla, PhD, University of Minnesota; Len Kne, MGIS, *Poster #064: Collaborative Geodesign: Providing Access to Land Use Change Models.*
- John Logan Pryor*, Arkansas Tech University; Xiang Chen, Arkansas Tech University; Clayton Frazier, Arkansas Tech University, *Poster #065: Evaluating effectiveness of emergency instructions: case of Arkansas Nuclear One.*
- Shannon Kittner*, Ferris State University, *Poster #066: A Temporal Analysis of NASCAR Track Attendance from 1950-1990.*
- Mackenzie Chance Scott*, University of Miami; Shouraseni Sen Roy, University of Miami Department of Geography & Regional Studies; Shivangi Prasad, University of Miami Department of Geography & Regional Studies, *Poster #067: Spatial Patterns of Off the System Traffic Crashes in Miami-Dade County, FL during 2005-2010.*
- Xiaoqian Liu*, Institute of Geographic Sciences and Natural Resources, CAS; Yanglin Wang, Peking University, *Poster #068: A graph theory-based framework for evaluating spatial resilience.*
- Trevor D Bloom*, Western Washington University; Aquila Flower, PhD, Western Washington University; Eric DeChaine, PhD, Western Washington University, *Poster #069: The Shortcomings of Herbaria Records for Use in Species Distribution Models: A Call to Standardize Georeferencing.*
- Kim Durante*, Stanford University; Katherine Hart Weimer, Rice University, *Poster #070: Developing a Linked Open Data Model for Bibliographic Description of Library Cartographic Resources.*
- Liping Di*, George Mason University; Ziheng Sun, George Mason University; Eugene G. Yu, George Mason University; Jia Song, George Mason University; Meixia Deng, George Mason University, *Poster #071: EarthCube CyberConnector: Bridge the Gap between Earth observations and Earth system models.*
- Ryan Marshall Grebe*, University of New Mexico, *Poster #072: Resilient wireless data communication systems for air-to-ground image transmission.*
- Ibrahim O. Alshwesh*, Qassim University, *Poster #073: Explore how the spatial characteristics of a problem could potentially be more or less well suited to particular areal interpolation methods.*
- Meixia Deng*, George Mason University; Liping Di, George Mason University; Ali Yagci, NASA, *Poster #074: A New Index for Monitoring Agricultural Drought.*
- Trang VoPham, PhD, MS*, Department of Epidemiology, Harvard T.H. Chan School of Public Health; Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School; Jaime E. Hart, ScD, Department of Environmental Health, Harvard T.H. Chan School of Public Health; Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School; Kimberly A. Bertrand, ScD, Slone Epidemiology Center, Boston University; Zhibin Sun, PhD, USDA UV-B Monitoring and Research Program, Colorado State University; Rulla M. Tamimi, ScD, Department of Epidemiology, Harvard T.H. Chan School of Public Health; Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School; Francine Laden, ScD, Departments of Environmental Health and Epidemiology, Harvard T.H. Chan School of Public Health; Channing Division of Network Medicine, Brigham and Women's Hospital and Harvard Medical School, *Poster #075: Spatiotemporal Downscaling of Erythral Ultraviolet Radiation Using Geostatistics.*
- Xiaojun Yang*, Florida State University; Di Shi, Florida State University, *Poster #076: A Relative Evaluation of Land Cover Classification in an Urban Area by Random Forests.*
- Pragya Srivastava*, WVU; Trevor M. Harris, Eberly Distinguished Professor of Geography, WVU, *Poster #077: Exploring Immersive Geovisualization and 3D GIS Modeling of Subsurface Infrastructure.*

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- Melanie Regenfelder*, Carinthia University of Applied Sciences; Christoph Erlacher, Carinthia University of Applied Sciences, *Poster #078: Lord of the Rings - Get through Middle-Earth safely with Geoinformation.*
- Kirby Calvert*, University of Guelph; P. William Limpisathian, Department of Geography, Penn State University; Ryan E. Baxter, Department of Geography, Penn State University, *Poster #079: Spatial Analysis of Biofuel Production Potential in Northeastern United States.*
- Jennifer Lumpkin*, Sinclair Community College, *Poster #080: Mapping NAHA's Wilbear Wright Passport Program.*
- Ebin Antony*, Missouri University of Science and Technology; Steve Corns, PhD, Missouri University of Science and Technology; Suzanna Long, PhD, Missouri University of Science and Technology; Tom Shoberg, PhD, Missouri University of Science and Technology, *Poster #081: Use of Graph Theory Analytics for Complex Visualization Schemes.*
- Jacob Czawlytko*, University of Maryland - Baltimore County, *Poster #082: World Bank Water and Sanitation Program Representative Analysis.*
- Edward Iskander, St. Cloud State University; Kirubel Seifu, St. Cloud State University; Wissem Dhaouadi, St. Cloud State University; Mehdi Mekni, PhD*, St. Cloud State University, *Poster #083: Multi-Agent Geo-Simulation for Crowd Control.*
- Parker Ziegler*, Middlebury College, *Poster #084: Learning GIS and Cartography in the Programming Age: A Framework for a Critical, Code-Based Geospatial Education.*
- Caroline Day Glass*, University of Alabama, *Poster #085: Weighing the Weight: A Geographically Weighted Regression Analysis of Obesity in Alabama.*
- Mike Winiski*, Furman University; Suresh Muthukrishnan, Furman University; Tyler Peoples, Student, Furman University; Candice Hipp, Greenville Health System; Jennifer Snow, Greenville Health System; Rhett Baker, Greenville County, *Poster #086: Developing a Web-Based Community Asset Map.*
- John B. Mackey, Undergraduate Student*, Furman University; Suresh Muthukrishnan, Furman University, *Poster #087: Mapping Solar PV Potential for Furman University Using LiDAR and GIS.*
- John Elphonso Williams, Ph.D.*, Georgia State University, Albany State University, *Poster #088: Using Web GIS & Social Media to Promote Historic Preservation in the Historic Westside/Proctor Creek Watershed District - Atlanta, GA.*
- Andrew Layton*, University of Idaho; Felix Liao, PhD., University of Idaho, *Poster #089: Spatial Determinants of Urban Growth in the greater Coeur d'Alene Area, ID.*
- James N Oigara, PhD*, Canisius College, *Poster #090: Utilizing GPS and Geocaching In Teaching.*
- Seth Clock*, Adams State University; Cory Ott, Adams State University; Jared Beeton, Adams State University; Brad Johnson, Davidson College; Jacqueline A. Smith, The College of Saint Rose, *Poster #091: An Undergraduate Researcher's Guide to Building a Geomorphic GIS Geodatabase.*
- Joseph B. Harris*, Louisiana State University; Brant Mitchell, Stephenson Disaster Management Institute, Louisiana State University, *Poster #092: Applications of HAZUS-MH Risk Assessment Tools for Parish Hazard Mitigation Plans.*
- Kelley O'Neal*, University of Maryland; Nicole Kong, Purdue University; Bria Parker, University of Maryland; Ryan Matke, University of Minnesota, *Poster #093: A Multi-institutional Geportal to Enhance Geospatial Data Discoverability and Increase Accessibility.*
- Claire E. Edel*, University of Wisconsin - Eau Claire, *Poster #094: Approaches and Limitations to Mapping a Crisis.*
- Eman Ghoneim*, University of North Carolina - Wilmington, *Poster #095: Groundwater exploration in the Western Desert of Egypt, a remote sensing investigation.*
- Mandy Munro-Stasiuk*, Kent State University; James Tyner, Kent State University; Corrine Coakley, Kent State University; Stian Rice, Kent State University; Savina Sirik, Kent State University; Sokvisal Kimsroy, Kent State University; Alex Colucci, Kent State University, *Poster #096: A preliminary map of the irrigation schemes of the Khmer Rouge, Cambodia.*
- Dusty Leigh Smith*, *Poster #097: Determining the Ideal Environment to Place Renewable Energy Plants by Using Remote Sensing Applications.*
- Tracy Whelen*, University of Massachusetts Amherst, *Poster #098: Use of L-Band Synthetic Aperture Radar for Ecosystems Applications.*
- Erin Jaynes*, University of Colorado Denver, *Poster #099: Research Topics in Remote Sensing: Glacial Lake Turbidity.*
- William Thoman*, Clark University, *Poster #100: Use of Landsat Imagery to Assess Loss of Agriculture Due to Conflict in Syria and Iraq.*
- Michael J Bomber*, University of Wisconsin- Eau Claire, *Poster #101: Effectiveness of Unmanned Aerial Systems (UAS) Imagery for Temporal Vegetation Analysis.*
- Jim Coll, Department of Geography & Atmospheric Science, University of Kansas; Xingong Li*, University of Kansas, *Poster #102: Comprehensive Assessment on MODIS Daily Snow Cover Products and Gap-filling Methods.*
- Oscar G. Castillo Romero, MSc.*, University of Nebraska at Omaha - Department of Geography and Geology; James J. Hayes, PhD., University of Nebraska at Omaha - Department of Geography and Geology, *Poster #103: New Approach for m-Morisita Index in Ecological Clustering for Valley Oak in Southern California.*
- Lei FANG*, University of Hong Kong; Becky P.Y. Loo, Department of Geography, The University of Hong Kong; Shenjun Yao, School of Geographic Sciences, East China Normal University, *Poster #104: Does the Euclidean Distance Tell a True Story? Evidence from Autocorrelation Analysis of Traffic Crash Hot Zone of Hong Kong in a Network-constrained Environment.*
- Kirk A. Scheffler*, University of Wyoming, *Poster #105: Development of a webGIS decision support tool for irrigation management on Wyoming's Wind River Indian Reservation.*
- Xinyu Gao*, Florida State University, *Poster #106: Surface Water Flow Path Modeling using Digital Elevation Models: Comparing Flow Direction Algorithms.*
- Jake Dixon Clemens*, Western Washington University, *Poster #107: Information Disclosure Through GIS: A User Response Study between two Webmaps of Facility-Level Greenhouse Gas Emissions.*
- Patrick J. Kennelly*, LIU Post, *Poster #108: Horizontal Hachures for Rendering Terrain.*
- Diane P. Horn*, Birkbeck College, University of London; Paul Elsner, Birkbeck College, University of London; Uwe Dornbusch, Environment Agency; Ian Thomas, Pevensey Coastal Defence Ltd; Dan Amos, Strategic Regional Coastal Monitoring Programme, Adur and Worthing Councils; James Bovington, Strategic Regional Coastal Monitoring Programme, Adur and Worthing Councils, *Poster #109: Comparative beach surveys using an unmanned aerial system, ground-based GPS, terrestrial laser scanning, and airborne laser scanning.*
- Katherine Cavanaugh*, Gettysburg College; Rutherford Platt, Gettysburg College, *Poster #110: The Greening and Browning of the San Juan Mountain Range: Trend Analysis of Landscape Change using Landsat Imagery.*

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Kelly Anne Collins*, Gettysburg College; Rutherford V. Platt, Gettysburg College, *Poster #111: Fracking in Pennsylvania: A Spatial Review of Impacts on the Soundshed, Viewshed, and Land Cover.*

Human Geography Poster Session I

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom
Level (Poster Session)

Poster setup: 3:00 p.m. - 3:20 p.m.

Poster display and discussion: 3:20 p.m. - 7:20 p.m.

Thomas A. Wikle*, Oklahoma State; Jonathan C. Comer*, Oklahoma State University; Guy Bailey, University of Texas--Rio Grande Valley, *Poster # 001: Patterns of Linguistic Variation in the Southern Great Plains.*

Samuel M. Otterstrom*, Brigham Young University, *Poster #003: A Comparative Study of Historical Highway Markers in Florida and Virginia.*

Madeleine Claire Gendreau*, Concordia University, *Poster #004: Policing, policy, and prejudice: The rise and suppression of graffiti cultures in 1980's Montreal.*

Yukihisa Hoshida*, Open Concierge, N.P.O.; Shohei Nagata, Open Concierge, N.P.O.; Kazuhiko Nakamura, Center for Spatial Information Science, The University of Tokyo, *Poster #005: Suggest a method to grasp the relationship between areas in real time from online news sources.*

Drew Adams*, Eastern Washington University; Michael Snyder, Eastern Washington University; Stacy Warren, Ph.D., Eastern Washington University, *Poster #006: Campus Accessibility Application.*

Lixia Jin*, Guangzhou Institute of Geograph; Hongou Zhang, Guangzhou Institute of Geograph; Gengzhi Huang, Guangzhou Institute of Geograph; Qitao Wu, Guangzhou Institute of Geograph; Wenkai Xi, Guangzhou Institute of Geograph, *Poster #007: Research on New Regional Spatial Division of Labor Based on Cross-regional Enterprise Production Spatial Organization Change - A Case Study of Foshan Ceramics Industry Restructuring.*

Sohyun Park*, Seoul National University; Suyoung Kang, Seoul National University, *Poster #008: Scattered Artists mediated through ICT: an empirical analysis of the indie art galleries in Seoul.*

Dylan Connor*, Department of Geography, UCLA; Leah Boustan, Department of Economics, UCLA; Ran Abramitzky, Department of Economics, Stanford University, *Poster #009: Moving to Opportunity in the Early 20th Century: Evidence from the Industrial Removal Office.*

Sanwei He*, Zhongnan University of Economics and Law, *Poster #010: Geography, policy and regional inequality: evidence from Guangdong.*

Ana Cristina Martinez*, *Poster #011: The potential of San Juan, Puerto Rico as the largest college town of the Caribbean; A geographical assessment.*

Michael Lee Benham*, Shippensburg University; Kurt Fuellhart, Shippensburg University; George Pomeroy, Shippensburg University, *Poster #012: Economic Impacts of Letterkenny Army Depot in the Northeastern I-81 Corridor.*

Cory James Gates, M.Ed.*, Kent State University; Jacqueline W. Curtis, Ph.D., Kent State University, *Poster #013: Understanding adolescents' perception of health in rural communities through integrating sketch maps in a Geographic Information System (GIS).*

Johanna Claire Schuch*, University of North Carolina - Charlotte, *Poster #014: "Nothing about us without us": Hispanic immigrant youth voice how to improve their socio-spatial labor market integration.*

Christine Love Ames*, Texas State University - San Marcos, *Poster #015: San Marcos Texas Crime Hot Spot Analysis.*

Dilan Gastecki*, SCSU, *Poster #016: "Historical Geography of Lake-Front Development in Crow Wing County, Minnesota (1900-present)".*

Matt Raybaud*, Calvin College; Henk Aay, PhD, Van Raalte Institute, *Poster #017: Spatial Visualization of Dutch Immigration Databases.*

Steven Heath Holden*, University of North Alabama; Sunhui Sim, University of North Alabama, *Poster # 018: KDE Crime Mapping in Mobile, Alabama.*

Lindsey Conrow*, Arizona State University, *Poster #019: Analysis of Bicycling Movement Behavior in an Urban Area.*

Jongnam Choi*, Western Illinois University; Chulsue Hwang, Kyung Hee University, *Poster #020: Interpreting Thematic Maps of the National Atlas of Korea.*

Gina Trapp*, Telethon Kids Institute; Paula Hooper, PhD; Gina Ambrosini, PhD; Bryan Boruff, PhD; Fiona Bull, PhD; Hayley Christian, PhD; Anna Timperio, PhD; Claire Pulker, PhD; Lukar Thornton, PhD, *Poster #021: Are diet and obesity influenced by access to neighbourhood food outlets in Australia? A review and recommendations for future research.*

Thomas Ludden*, Carolinas Healthcare System; Brisa Urquieta de hernandez, Carolinas Healthcare System; Owen Furuseh, UNC Charlotte; Michael Dulin, Carolinas Healthcare System, *Poster #022: Using the Community Based Participatory Approach to Develop a Neighborhood Level Social Determinants of Health Intervention.*

Sally Goodman*, AC Transit, *Poster #023: Measuring Equity in Access to Public Transit.*

Xiaomin Qiu*, Missouri State University; Shuo-Sheng Wu, Missouri State University, *Poster #024: Using Historical Aerial Photos from 1959 to 2014 to Study Urban Growth along the Springfield-Nixa Corridor, Missouri.*

Kim Kullman*, Goldsmiths, University of London, *Poster #025: Street furniture futures: redesigning the urban commons.*

Anni Yang*, Joseph Messina, *Poster #026: A cost model for Tsetse Control in Tanzania.*

Jordan Bray*, *Poster #027: A Gendered Lens on Urbanization in Uganda.*

Katy Moharter*, Western Michigan University, *Poster #028: A Geographic Distribution Analysis and Examination of Social-Psychological Factors and their Impact on Death Penalty Support in the United States.*

Zach Cooney*, Saginaw Valley State University; Andrew J Miller, PhD, Saginaw Valley State University; James Bowers, PhD, Saginaw Valley State University, *Poster #029: A Spatial Assessment of Priority 1 Crime Rates throughout the Greater Saginaw, MI Urban Complex.*

D'Aire Bullock*, Saginaw Valley State University; Andrew J Miller, PhD, Saginaw Valley State University; James Bowers, PhD, Saginaw Valley State University, *Poster #030: A Spatio-Temporal Assessment of Domestic Violence within the Greater Saginaw, MI Urban Complex.*

Karl F. Bauer*, University of North Dakota; Paul E. Jensen, University of North Dakota; Michael A. Niedzielski, University of North Dakota, *Poster #031: Abandoned Landscapes: Mapping North Dakota's Frontier Communities.*

Alexandra Jillian Songer*, University of Denver; Katherine Roselius, University of Denver; Eric Boschmann, University of Denver, *Poster #032: An Analysis of Volunteer Demographics: A Community Based Research Project.*

Seth Guikema*, University of Michigan; Allison Reilly, University of Michigan; Laiyin Zhu, Western Michigan University; Tak Igusa, Johns Hopkins University, *Poster #033: An integrated framework for quantifying*

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- the changing vulnerability of communities experiencing repeated hazards.*
- Gregory Metcalfe*, University of Waterloo; Su-Yin Tan, Ph.D., University of Waterloo, *Poster #034: An Investigation of the relationship between crime and the built and natural environment in the Region of Waterloo, Ontario.*
- Mustafa Yakar*, *Poster #035: Analysis Of Spatial Distribution Of Suicides In Turkey.*
- Leigh Terhune Robertson*, Furman University; Jessica Christine Barnett*, Furman University, *Poster #036: Application of a multi-disciplinary One Health approach to understanding environmental drivers of the spatial distribution of vector-borne infectious diseases.*
- Brandon Andreassen*, University of North Dakota; Michael A. Niedzielski, Ph.D., University of North Dakota, *Poster #037: Bicycling and the journey to work in Grand Forks, ND.*
- Mary Ryan*, West Virginia University, *Poster #038: Community and Household Gardening in West Virginia.*
- Andrea Elaine Pinon*, Texas State University - San Marcos; Kimberly M. Meitzen, Assistant Professor, Texas State University-San Marcos, TX, *Poster #039: Comparative study of Blanco River Valley restoration projects and stakeholder perspectives following the 2015 Memorial Day floods.*
- Kristen M. Sanfilippo*, Salem State University, *Poster #040: Cumulative Burden Analysis for Massachusetts.*
- Catherine Rose Dufault*, University of Maine at Farmington, *Poster #041: Defining "local": its meanings for Maine food systems and its integration into corporate dining services at public universities.*
- Alejandro Molina*, University of North Carolina - Greensboro, *Poster #042: Defining the Map Prototype.*
- Alec Thurman*, Applied Research Associates, *Poster #043: Disaster Response Planning - Critical Infrastructure and Cascading Effects Estimation for Man-Made and Natural Disaster Scenarios.*
- Kelsey Taylor*, The George Washington University, American Association of Geographers, *Poster #044: Environmental justice in U.S. urban sustainability planning.*
- Fung Hoi Si*, The Chinese University of Hong Kong, *Poster #045: Evaluation of factors shaping youth outbound travelling patterns: A case study of Hong Kong young tourists.*
- Sunyoung Choi*, Department of Geography, Seoul National University, Korea; Seunghoon Lee*, Department of Geography, Seoul National University, Korea; Cheonghun Lee, Department of Geography, Seoul National University, Korea; Chanwoo Jin, Department of Geography, Seoul National University, Korea, *Poster #046: Exploring availability of real-estate market consumer sentiment index to estimate real-estate overheating regions.*
- Samuel Thomas Ross*, Texas State University, *Poster #047: Exploring The Relationship Between Gas Price and National Park Service Unit Annual Attendance.*
- Josephine Garcia*, Universidad Autónoma De San Luis Potosi, *Poster #048: Food Security.*
- Courtney Dunn*, Chicago State University; Courtney Dunn, Chicago State University, *Poster #049: Gender in Urban Agriculture.*
- Jordan Drake*, Central College, *Poster #050: Idling Your Life Away: A Study on Drive-throughs in Pella, Iowa.*
- Brinda Athreya*, University of Toledo; Owusua Yamoah, University of Toledo; Kevin Czajkowski, University of Toledo; Beth Schlemper, University of Toledo; Sujata Shetty, University of Toledo; Victoria Stewart, University of Toledo, *Poster #051: Integrating Learning Progressions into High School Students' Experiences with Geospatial Thinking and Technology in their Communities.*
- Gail P Myers, PhD*, Farms To Grow; Gail P Myers, PhD, Farms to Grow, Inc., *Poster #052: Landscaped Legacies: A Pig Story in Black and White.*
- Anthony Kowalchick*; Matthew Liesch, PhD, Central Michigan University; David K Patton, PhD, Central Michigan University, *Poster #053: Localized Names for Untied States Metropolitan Areas: Different on the other side?.*
- Isaac Perry*, Salem State University, *Poster #054: Looking for Justice: A Comparative Analysis of Natural Gas Pipelines in New England.*
- Mary Katherine Sprague*, Concordia University, *Poster #055: Made in the 'Mile-Ex': productive gentrification in an urban Montreal manufacturing district.*
- Emily Anne Kern*, Furman University, Earth and Environmental Sciences; Weston Dripps, Furman University, Earth and Environmental Sciences, *Poster #056: Neighborhood Sustainability: a multi-criteria sustainability indicator analysis.*
- Bradley Loewen*, MEPCO, University of Economics, Prague, *Poster #057: Path Dependence and Path Innovation of Regional Policy in Central and Eastern Europe.*
- Anna Solberg*, Kent State University, *Poster #058: Perceptions of Tourist Influences on Sub-Saharan African Countries.*
- Solomon McGinty*, United States Military Academy, *Poster #059: Predicting Political Stability in Ethiopia using Demographics as Indicators.*
- Abbey Marie Whisler*, University of Kansas, *Poster #060: Predicting the Spatial Distribution of Migrants Retreating from Coastal Inundation.*
- Hyeokjae Lee*, Kyung Hee University, *Poster #061: Public Spaces in Underworld: the use of public spaces in the subway system in Seoul.*
- Hui Liang*; Lijiang Zhao, *Poster #062: Research on the Influences of Infrastructure Investment to the Development of Backward Region ??Based on Jingjiu Railway.*
- Andrew William Boch*, Frostburg State University; James C Saku, Dr., Frostburg State University, *Poster #063: Socio-Economic Indicators of Nunavut.*
- Nakisha Jones*, East Tennessee State University, *Poster #064: Spatial Crime Analysis: An Examination of Select US Disasters and Pre- & Post Disaster Crime Rates.*
- Xuesong Yao*, *Poster #065: The adaptability of human recreation comfort and cooling effect of urban parks in the summer in ChangChun.*
- Candice Danielle Wilfong, Ed.M.*, Vanderbilt University; Na Liu, Ed.M., Vanderbilt University, *Poster #066: The association between racial residential segregation and adverse birth outcomes: A meta-analysis.*
- Jingjing Zeng*, Zhongnan University of Economics and Law, *Poster #067: the Factors of Public Participation in Environmental Governance: from 31 Provinces Panel Data in China.*
- Kelly Kang*, United States Military Academy; Kelly Kang, United States Military Academy, *Poster #068: The Geographic Patterns of the Chinese Black Market Blood Trade.*
- Jossie Maria Brown*, Eastern Washington University, *Poster #069: The Geography of Waste.*
- Michele Abee*, University of North Carolina - Greensboro, *Poster #070: The Rise of the Mercator Projection in Science.*
- Daria Andrievskikh*, Binghamton University, *Poster #071: The role of outreach programs in the community development on the local scale: Binghamton, USA and Kurgan, Russia..*
- Aaron Gant*, *Poster #072: The spatial development of Connecticut's craft beer industry.*
- ALI abdullah ALDOSARI, PhD*, King Saud University, *Poster #073: The trends of geographic publications in Saudi*

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- Geographical Society.*
- Cindy Nance, Doctorate in Geography*, Mt. San Jacinto College, *Poster #074: Transformative Geographies - Evolving San Francisco Scene.*
- Paula Jones*, SUNY Buffalo State, Department of Geography and Planning; Jason Knight, PhD, AICP, SUNY Buffalo State, Department of Geography and Planning, *Poster #075: Understanding Neighborhood Change through Parcel-Level Data: Buffalo's West Side Property Condition Inventory.*
- Amanda Marple*, West Virginia University, *Poster #076: Beginning to Understand the Student Food Co-op Movement on University Campuses in the United States.*
- Alex Holland*, University of Oklahoma; Kathryn Franks, University of Oklahoma; Kirsten de Beurs, University of Oklahoma, *Poster #078: Using VIIRS Day/Night Band to Analyze Light Pollution in Urban Environments.*
- Yael Golan, B.A.*, San Francisco State University; Nancy Lee Wilkinson, Ph.D., San Francisco State University; XiaoHang Liu, Ph.D., San Francisco State University, *Poster #079: Walkability and Social Interaction: Does the Potential for Social Interaction Affect Pedestrian Route Choice?.*
- Nicole Zajimovic*, United States Military Academy, *Poster #080: Who Went Where? A Look at the Migration Flows of Bosnians Post-1990's.*
- Autumn C. James*, Northern Illinois University, *Poster #081: A Methodology for Studying Perception and Navigation As It Relates to Violence Against Women.*
- Benjamin K Haywood, Ph.D.*, Allegheny College, *Poster #082: Wind, Wings, and the Development of an Energy Landscape.*
- Rebecca A. Johns, Ph.D.*, University of South Florida, *Poster #083: Critical Animal Geographies of Florida.*
- Emma R Martin*, James Madison University, *Poster #084: Assessing the Environmental Actions of JMU Students.*
- Nikita Prajapati*, California State University - Long Beach, *Poster #085: Lost In Food Translation.*
- John E. Bodenman*, Bloomsburg University; Ashton Mook, Bloomsburg University, *Poster #086: Spatial Dynamics of the Investment Advisory Industry: The Case of San Francisco, 2003-2013.*
- Nedham Alshafai*, Qatar University, *Poster #087: Evaluation of Industrial development in the Gulf Cooperation Council (GCC).*
- Jody Smothers-Marcello*, Sitka High School; Barbara S Hildebrandt, Ph.D., ETS (Educational Testing Service), *Poster #088: Interactive Mapping in the APHG Classroom: Critical Choices, Critical Thinking, Critical Impact.*
- Donald J. Zeigler*, Old Dominion University; Lisa Benton-Short, George Washington University; Darren Purcell, University of Oklahoma; Fernando Bosco, San Diego State University, *Poster #089: A Cartographic Analysis of AP Human Geography.*
- Laura Kathryn Siebeneck*, University of North Texas, *Poster #090: Returning After Disaster: Improving Theory Related to Ending Protective Actions.*
- Christi G Townsend*, Texas State University, San Marcos, Texas; Michelle L. Schmehl, Texas State University; Elijah Howard, Texas State University, *Poster #091: Motivations for Volunteering: The 2015 "Memorial Day" Central Texas Flood.*
- John T. Morgan*, Emory & Henry College, *Poster #092: Revisiting Southern Appalachian Lime Kilns.*
- Akihiro Tsukamoto*, Tokushima University, *Poster #093: The Changes of industrial structure in the Early Modern and Modern Period of Kyoto, Japan :Construction of a Digital Atlas of Topographic Documents and Guidebooks.*
- John T. Bauer*, University of Nebraska Kearney, *Poster #094: Origins of Nebraska's Frontier Settlers.*
- Harold M. Elliott, Ph.D.*, Weber State University, *Poster #095: The Structure and Evolution of the American Cardinal Neighbor Hierarchy During the Early Colonial Period 1600-1730.*
- Lauren M Geffert, Texas Christian University; Michael Slattery*, Texas Christian University, *Poster #096: Coaching for Conservation: An Analysis of Local Challenges of the Rhino Poaching Crisis in South Africa.*
- Yeji Lee*, Seoul National University, *Poster #097: The comparative studies of using Christmas as the regional competitiveness.*
- Thomas Allison, Shippensburg University; George M. Pomeroy*, Shippensburg University, *Poster #098: A Geography of Mortality Among U.S. Troops.*
- Fiona M. Davidson*, University Of Arkansas, *Poster #099: The 2015 SNP: Tsunami; nationalism or protest..*
- Kevin N Raleigh*, University of Cincinnati; Colleen McTague, Niehoff Urban Design Studio, *Poster #100: Distance to Justice: Legal Geography of the New Mexico Day Laborer Act.*
- Stephen M. O'Connell*, University of Central Arkansas, *Poster #101: Evaluating Second Home Ownership Patterns Using Local Tax Records: A Preliminary Investigation.*
- Anastasia Myadzelets*, V.B.Sochava Institute of Geography SB RAS, *Poster #102: Analysis of Associations of Socio-Economic Factors and Life Quality Index of Russian Arctic and Siberian Regions.*
- Ismail Kervankiran*, Süleyman Demirel Üniversitesi Isparta Turkey; Kadir Temurcin*, *Poster #103: Cultural Tourism And Museums: The Development Of Museums In Turkey, Their Contribution To Tourism And Regional Differences.*
- Monir Moniruzzaman*, University of Windsor; Hanna Maoh, University of Windsor; William Anderson, University of Windsor, *Poster #104: Freight Mode Choice Model for Cross-border Shipment of Commodities between Canada and the U.S.: A mixed logit approach.*
- Stephen G. Tsikalas*, Jacksonville State University; Mark Allen Jones, Jacksonville State University, *Poster #106: Creating skateboarding spaces or corralling skaters: Analyzing the rise of public skate parks in northeast Alabama..*
- Alexander Hayes*, Clark University, *Poster #107: Painted Walls.*
- Allen Finchum*, Oklahoma State University, *Poster #108: Analyzing Smartphone Usage Patterns at Colleges with Strong Gender Differences Using Social Media.*
- Yunliang Meng*, Central Connecticut State University, *Poster #109: A Geographic Approach to Study Racial Disparity in Police Stops: A Case in Toronto.*
- Brendan L. Lavy*, Texas State University; Ronald R. Hagelman*, Texas State University, *Poster #110: Which leg do they stand on?: Visualizing conceptual pillars supporting urban sustainability ordinances.*
- Kailas Venkitasubramanian*, University of North Carolina at Charlotte, *Poster #111: Relationship between Consumption and Human Life Satisfaction in Urban Areas.*
- Poonam Jusrut*, University of Illinois At Urbana, *Poster #112: Who wants to buy a piece of paradise: neo-liberal real estate policies and exclusionary implications for Mauritius' citizens.*
- Keith A. Bremer, Ph.D.*, Fort Hays State University; Richard Lisichenko, Ph.D., Fort Hays State University, *Poster #113: Contagious Urban Depopulation in Detroit, Michigan.*
- Min Wang*, Beijing Normal University, *Poster #114: Chinese Teachers' Knowledge, Skills and Attitude about Disaster Prevention and Reduction. A Survey with Secondary Teachers in China.*
- Rose Bennett*, Saint Cloud State University; Amanda Goedeke,

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- St Cloud State University, *Poster #116: Cistercian Monasteries And facility use change.*
- Felicia Mae Wolters*, St. Cloud State University, *Poster #117: Gender, Space and Empowerment of Women Hunters in Minnesota.*
- LIU Yanjun*, *Poster #118: The Response of Eco-environmental Vulnerability to the Spatial Polarization in Big Cities: A Case Study of Changchun.*
- Yangyi Wu*, University of Utah; Yehua Dennis Wei, University of Utah, *Poster #119: Urban Amenity, Amenity Attribute and House Values: A case study in Salt Lake County.*
- Diane Snediker*, U.S. Bureau Of the Census, *Poster #120: School District Geographic Associations.*
- Clinton Davis*, Temple University; Joshua Lohnes, West Virginia University; Thomson Gross, West Virginia University; Bradley Wilson, West Virginia University; Amanda Marple, West Virginia University; Zachary Summerfield, West Virginia University; Colin Lopez, West Virginia University; Maingi Solomon, University of New Hampshire; Jamison Conley, West Virginia University, *Poster #121: WV Foodlink County Profiles.*
- Craig S. Revels*, Central Washington University, *Poster #122: Cultivating the Tropics: The Mangos of Málaga.*
- Viktoriya Pantyley*, Maria Curie-Sklodowska University, *Poster #123: Ukrainian Children in Conditions of Political and Economic Destabilization: Case of L'viv Region.*
- Frances C Mujica, Ph.D.*, The University of South Alabama, *Poster #124: Access, Accessibility, and Availability: Exploring the Rural Food Environment in Lower Alabama.*
- Qitao Wu*, Guangzhou Institute of Geography, GDAS, Guangzhou, China.; Hong-ou ZHANG, Guangzhou Institute of Geography, GDAS, Guangzhou, China., *Poster #125: Going North: Spatial Accessibility of the High Speed Rail for Hong Kong.*
- Ashton Hughes*, SUNY - Geneseo, *Poster #126: A Historical Analysis of Population Relocation in Western Vieques, Puerto Rico.*
- Meimei Lin*, Miami University & James Madison University; Mary C. Henry, Miami University, *Poster #127: Grassland and Wheat Loss Affected by Corn and Soybean expansion in the Midwest Corn Belt Region, 2006-2013.*
- Courtney La Cava*, University of Colorado, Denver, *Poster #128: Terroir and Topography: Considerations in Viticultural Site Selection in One of Colorado's American Viticultural Areas.*
- Jorge E Zambrana*, SUNY Binghamton, *Poster #129: Puerto Rico: Risks and patterns in the metropolitan area.*
- William Helmer*, *Poster #130: Keep it in the Ground?Water!: the justification for stopping the north to south mega-water transfers in California and Nevada--from the Sacramento Valley to Southern California, Owens Valley to Los Angeles, and eastern Nevada to Las Vegas.*
- Amber L. Hill*, Kent State University, *Poster #131 Using Conventional and Social Media to Evaluate Expert and Public Perceptions of Risk during the Toxic Algae Outbreak in Lake Erie.*
- Rhonda Williams*, Chicago State University, *Poster #002: "Imprisonment vs. Empowerment" Urban Human Imprisonment versus Higher Education Empowerment The 2016 Budget Impasse of Illinois Republican Governor Bruce Rauner.*

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Poster Sessions for Wednesday are located on pages 158-165.

2101. The Architecture of Capital 1: Atmospheres and Practices

- Room:* Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Adam Kaasa, Royal College of Art; Pushpa Arabindoo, University College London
 CHAIR(S): Adam Kaasa, Royal College of Art
8:00 Clare Melhuish, Dr*, University College London, *'Beyond the red line': are universities re-imagining cities and urban life through their capital investment programmes?.*
8:20 Mona Sloane*, London School of Economics and Political Science, *'What we're drawing here is an experience.'* Or: *How spatial designers calculate imaginative spaces..*
8:40 Aleksander Bern*, University of Oslo, *A democratic competition? Architecture competitions and democratic planning ideals in practice..*
9:00 Giovanni Semi*, University of Torino, *Urban designers and the global provision of manufactured public spaces.*
 Discussant(s): Peggy Deamer, Yale University

2102. Education for Spatial Citizenship. Including the political domain in geomeia supported education (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geography Education Specialty Group)

- Room:* Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Thomas Jekel, University of Salzburg; Inga Gryl, University of Duisburg-Essen
 CHAIR(S): Thomas Jekel, University of Salzburg
8:00 Robert S. Bednarz*, Texas A&M University, *Geography, Citizenship, Spatial Thinking, and Geospatial Technology.*
8:20 Thomas Jekel*, University of Salzburg; Kirstin Stuppacher, University of Salzburg; Inga Gryl, University of Duisburg-Essen, *Beyond Innovation: Innovativeness & Spatial Citizenship.*
8:40 Gary Coutu*, Geography and Planning, West Chester University, *Humane Pennsylvania: GIS and Social Media-Based Service Learning.*
9:00 Nicole Ferber*, Z_GIS Department of Geoinformatics, University of Salzburg, *Feminist and Queer Approaches to Education for Spatial Citizenship.*
 Introducer: Thomas Jekel
 Discussant(s): Inga Gryl, University of Duisburg-Essen

2103. The economy of cities: 06 City districts and neighborhoods

- Room:* Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): John Miron, University of Toronto
 CHAIR(S): Laurent TERRAL, Université Paris-Est - LVMT
8:00 Juliana Martins*, Bartlett School of Planning, University College London, *Immaterial products, material spaces: the role of the neighbourhood in creative digital production, Silicon Roundabout, London.*
8:20 Kyungsoon Wang*, Georgia Institute of Technology, *Determinants of Neighborhood Housing Resilience and Recovery During and After the U.S. Housing Crisis.*
8:40 Natalie Armstrong*, George Washington University, *A Critical Assessment of Business Improvement Districts and their Integration of Sustainability in Washington, D.C..*
9:00 Chaitawat Boonjubun*, University of Helsinki, *What are gated communities in Bangkok?.*
9:20 Laurent TERRAL*, Université Paris-Est - LVMT; Sébastien DARCHEN, University of Queensland - School of Geography, Planning and environmental Management, *The evolution of the first-ring economic area in Paris (1999-2012) and implications for the Grand Paris project.*

2104. Sensing Practices: Reworking Experience across Entities, Environments, and Technologies

- Room:* Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Jennifer Gabrys; Helen Pritchard, Goldsmiths, University of London
 CHAIR(S): Jennifer Gabrys
8:00 Derek McCormack*, University of Oxford, *Sensing and the allure of atmospheric media.*
8:20 Sasha H. Engelmann*, University of Oxford, *Tomás Saraceno's Aerosolar Sculptures: the Sense of Atmospheric Data.*
8:40 Helen Pritchard*, Citizen Sense, Goldsmiths, University of London; Jennifer Gabrys, Citizen Sense, Goldsmiths, University of London, *Constellations of Collective Politics: Community Monitoring of Fracking Infrastructure.*
9:00 Jennifer Gabrys*, Goldsmiths University of London, *Monitoring Air Pollution and Fracking: An Opening into Citizen Sensing Practices and Speculative Research.*
 Discussant(s): Jake Kosek

2105. Economic Geography V - Evolutionary Trajectories of Knowledge Production and Clustering (Sponsored by Economic Geography Specialty Group)

- Room:* Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): Jennifer Clark, Georgia Institute of Technology
8:00 Heidi Wiig ASLESEN*, BI - Norwegian business school; Katja Maria HYDLE, IRIS - International Research Institute of Stavanger; Kristin Wallevik, Agderforskning, *Global Innovation Networks; antecedents of path renewal?.*
8:20 Silvia Rita Sedita*, University of Padova; Ivan De Noni, University of Milan; Roberta Apa, University of Padova; Luigi Orsi, University of Milan, *Measuring the effects of knowledge accumulation and technological space relatedness on innovation performance of European regions.*
8:40 David L. Rigby*, UCLA; Pierre-Alex Balland, Utrecht University, *Exploring Geographies of Creative Destruction.*
9:00 Max Nathan, Dr*, University of Birmingham; Anna Rosso, Dr, University of Milan, *Clustering and Innovation in UK Technology Firms: What can Big Data tell us?.*
 Discussant(s): Riccardo Crescenzi, London School of Economics

2106. Geographical Approaches to Housing Practices and Policies

- Room:* Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mariana Oliver, Northwestern University
8:00 Miguel Robles-Duran*, New School University, *Neoliberal Private Property and the Global Housing Crisis.*
8:20 Aksel Kargard Olsen*, University of California, Berkeley, *Examining Local Housing Markets: Supply Changes, Spillovers, and Changes in Housing Cost in San Francisco.*
8:40 Cody Price*, The Ohio State University, *Symbolism of Affordable Housing.*
9:00 Mariana Oliver*, Northwestern University, *To Buy or Not to Buy? Mutual Assistance Housing Cooperatives in Uruguay and the Challenges of Shifting Ideologies.*
9:20 Christian Medina*, Universidad De Los Andes, *Memory and Space in the Fenicia Triangle.*

2107. GIS, Applied Geography

- Room:* Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Francesco Zignol, Texas State University - San Marcos

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- 8:00** Lei Wang*, Louisiana State University, *Modelling gaged precipitation data with an integrated spatio-temporal approach.*
- 8:20** Jennifer Boehmert*, NCAR, *Web mapping for weather and climate applications.*
- 8:40** Yaolin Liu*, Wuhan University; Yanfang Liu, Wuhan University, *Applied modern cartography for disaster management: The China case.*
- 9:00** Juddy Ngozichukwuka Okpara, Ph.D Graduate Student*, University of Oklahoma; Aonover A. Tarhule, Prof., *Evaluation of Meteorological Drought Indices in the Niger Basin through Analytic Hierarchy Process-based Approach.*
- 9:20** Francesco Zignol*, Texas State University - San Marcos, *Local-scale Future Projections for Temperature and Precipitation in the Flathead Indian Reservation.*

2108. Time and Urban Change I

- Room:* Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Monica Degen; Rob Shields, University of Alberta
CHAIR(S): Rob Shields, University of Alberta
- 8:00** Christine Woodward*, University of Kentucky, *Queer Time in the City: reshaping the normative temporalities of urban change in São Paulo, Brazil.*
- 8:20** Joseph Pierce*, Florida State University, *Capital's unintended bequests: the effects of declining inter-generational infrastructural subsidies to contemporary urban actors by historic urban capitalists.*
- 8:40** Rachel Anna Cotterman*, University of North Carolina at Chapel Hill, *Nostalgia and Progress in the Post-Industrial Mill Village.*
- 9:00** Monica Degen, Dr*, Brunel University, *The Street: examining timescapes of urban change.*
- 9:20** David W. Janzen*, University of Alberta, *Collectivizing Eco-Time: Towards a Rhythmanalysis of Ecological Crisis.*

2110. Mapping Secondary Cities for Resiliency and Emergency Preparedness (Sponsored by AAG Mapathon)

- Room:* Plaza B, Hilton Hotel, Lobby Level (Panel Session)
ORGANIZER(S): Melinda J. Laituri, Colorado State University
CHAIR(S): Debbie L. Fugate, US Federal Government
Panelists: John R. Weeks, San Diego State University; Melinda J. Laituri, Colorado State University; Luis M. Bettencourt, Santa Fe Institute; Mark R. Montgomery

2111. Shared Prosperity? Discourses and Practices of REDD+ and PES (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

- Room:* Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Sara Torres, Michigan State University
- 8:00** Isyaku Usman, Mr*, Department of Geography University of Leicester; Caroline Upton, Dr, Department of Geography University of Leicester; Jen Dickinson, Dr, Department of Geography University of Leicester, *Rethinking Pathways to Shared Prosperity for Forest Communities: A Case Study of Nigerian REDD+ Readiness Project.*
- 8:20** Michael Keith McCall*, Universidad Nacional Autonoma De Mexico, *'Landscape' and 'Territory' in Forest and REDD+ Governance.*
- 8:40** Richard Mbatu*, University of South Florida St. Petersburg, *REDD++ and conservation: a balanced view of challenges and opportunities for forest governance beyond forests.*
- 9:00** Adeniyi P. Asiyani*, King's College London, *Payment for Ecosystem Services or 'floating symbols': scalar politics, discursive flourishing and symbolic*

implementation in emergent conservation projects.

- 9:20** Sara Torres*, Michigan State University; Maria Claudia Lopez, PhD, Michigan State University, *Are Payments for Environmental Services changing people's Values, beliefs and behavior? Evidence from a case in Colombia.*

2112. Ethics and/of/in Space

- Room:* Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Natalie JK Baloy, University of California - Santa Cruz
CHAIR(S): Clayton Whitt, University of British Columbia
Panelists: Heather E. Castleden, Queen's University; Jason Douglas, San Jose State University; Tracy Perkins, Howard University; Toni A. Alexander, Southeast Missouri State University; Jeffrey R. Masuda, Queen's University; Kelsey Johnson

2113. Uncertain futures and everyday hedging - Session 1 of 2 (Sponsored by Cultural and Political Ecology Specialty Group)

- Room:* Continental 3, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Jamie Shinn, Texas A&M; Léonie S. Newhouse, Max Planck Institute MMG
CHAIR(S): Jamie Shinn, Texas A&M
- 8:00** Léonie S. Newhouse*, Max Planck Institute MMG, *Seeking the uncertain: possible futures and everyday hedging in Juba, South Sudan.*
- 8:20** Nancy Worth*, York University, *Their mothers' daughters? Millennial women, risk and the future.*
- 8:40** Alex George Papadopoulos, PhD*, DePaul University, *Dreams of Metalized Bodies, Smart Cities, and Evolving Artificial Sentiences: Cyberpunk Speculative Fiction as Herald of Human Twilight.*
- 9:00** Emma Shaw Crane*, New York University, *"Political Science Fiction" in Honduras: Model Cities for Risky Futures.*
Discussant(s): Alex Schafran, University of Leeds

2115. The Dark Matter of the Urban: Forces, densities, velocities, affects, and more - PART I

- Room:* Continental 5, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Michele Lancione, University of Cambridge; Francisco Calafate-Faria
CHAIR(S): Michele Lancione, University of Cambridge
- 8:00** Nick Dunn*, Lancaster University, *After Dark: temporal matter in the nighttime city.*
- 8:20** Michael Buser*, University of the West of England; Kate Boyer, Cardiff University, *Of environmental aesthetics and social affects: care work and the practices of mending urban water infrastructures.*
- 8:40** Francesca Ansaloni*, Università IUAV di Venezia (Italy), *The in/visibility of the urban: on affects and the materiality of the law.*
- 9:00** Michele Lobo*, Alfred Deakin Institute for Citizenship and Globalisation, Deakin University, *Infra-thin laminations: Choreographing the 'dark matter' of public space.*
Discussant(s): Francisco Calafate-Faria

2117. Geographies of State Terror I: Dispossession, Disappearance and Criminalization

- Room:* Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Vanessa Anne Massaro, Bucknell University; Emma Gaalaas Mullaney, Bucknell University
CHAIR(S): Emma Gaalaas Mullaney, Bucknell University
- 8:00** Debolina Majumder*, University of British Columbia, *Labour Under Militarisation: State, space and Society in Indian-Administered Kashmir.*
- 8:20** Ateeb Ahmed*, University of Minnesota, *Pakistan's Shadow War.*
- 8:40** Vanessa Anne Massaro*, Bucknell University, *"They*

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getchya anyway they can”: Dispossession through policing and mass incarceration.

9:00 Melissa W. Wright*, Penn State University, *Disappearance, Democracy, and the Body Politic: Lessons from the Americas.*

9:20 Christopher O'Neal*, California State University - Sacramento, *Understanding The Islamic State: Control, Sovereignty, and Violence.*

2118. Rethinking Colonialism: Violence, Resistance, and the Construction of Colonial Space

Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Thor Ritz, Syracuse University; Declan Cullen
CHAIR(S): Thor Ritz, Syracuse University

8:00 Thor Ritz*, Syracuse University, *Resistance to Slavery and the Construction of Anti-colonial Space in French Guiana at the Turn of the 19th Century.*

8:15 Nicholas Dahmann*, University of Southern California, *The Police and Skid Row: Revolting Settler Colonial Police Power.*

8:30 Carlos J. Guilbe*, University of Puerto Rico, *Planning and Mapping the 1950 Puerto Rican Revolution.*

8:45 Sohyung Lim*, University of Wisconsin Milwaukee, *Authoritarian Governmentality? The cases of the Sewol Ferry and MERS in South Korea.*

9:00 William D. Thomson*, American University of Beirut, *Conservation Colonization: New Environmental Narratives in Israeli Water Development.*

Introducer: Thor Ritz

Discussant(s): Declan Cullen

2119. Promoting soft mobilities : towards more inclusive cities ?

Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): France Guérin-Pace, Ined; Paulina López Gutiérrez

CHAIR(S): France Guérin-Pace, Ined

Introducer: France Guérin-Pace

8:10 Narciss M.Sohrabi*, universite parisX, *Iran during the 20th Century: Public Space, Revolution and Mobilization.*

8:30 Paul Salze*, Université de Strasbourg, LIVE, CNRS UMR 7362 - Université Paris Est, Labex Futurs Urbains, Lab'Urba, EUP; Camille Perchoux, CARMEN, INSERM U1060 / Université Lyon 1 / INRA U1235 / CNRH Rhône-Alpes; Thierry Feuillet, Université Paris 13, Equipe de Recherche en Epidémiologie Nutritionnelle (EREN), UMR U1153 Inserm/ U1125, Centre de Recherche en Epidémiologie et Biostatistiques Sorbonne Paris Cité; Helene Charreire, Université Paris Est, Lab?Urba, Ecole d?Urbanisme de Paris - Equipe de Recherche en Epidémiologie Nutritionnelle (EREN) UMR U1153 Inserm/U1125 Inra/ Cnam-UP13; Christophe Enaux, Université de Strasbourg, LIVE, CNRS UMR 7362; Acti-Cités group, JM Oppert (coord), F Hess, M Menai, JA Nazare, C Simon and C Weber; Urban Pedestrian Mobilities group (on behalf), Université Paris Est, Labex Futurs Urbains, *Mobility as a social (re) positioning process? The geographic distribution of capital and its consequences for daily trajectories.*

8:50 Nicholas A. Perdue*, University of Oregon, *The Rational Agent and Pedestrian Oriented Development.*

9:10 Paulina López Gutiérrez*, Institut National d'Études Démographiques; France Guérin-Pace*, Ined, *The promotion of walking in Greater Mexico City: please mind the gap in the periphery!.*

2120. Geographies of Education Restructuring and Teacher Union Activism in North America

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Peter M. Brogan, York University; Paul Bocking, York University

CHAIR(S): Peter M. Brogan, York University

8:00 Alice Huff*, University of California, Los Angeles, *Towards a Post-Political Reckoning with Race: Practicing Democracy in the Haunted City.*

8:20 Paul Bocking*, York University, *Mexican Teachers & Neoliberal Education Policy: Scalar Strategies & Movement Resistance.*

8:40 Suzanne Smythe*, Simon Fraser University; Sherry Breshears*, Simon Fraser University, *Mapping neoliberal education networks: A policy ethnography of the privatization of adult education in British Columbia, Canada..*

9:00 Lauren Ware Stark, MA*, University of Virginia, *"All in one place": A Spatial Analysis of the Spread of Anti-Hegemonic Policies in U.S. Teachers' Unions.*

9:20 Nora Nafaa*, University of Perpignan, *The new urban education order, an approach from American and French literature.*

2121. Outside the wage: spaces, politics, possibilities (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Jennifer Tucker; Manisha Anantharaman, Saint Mary's College of California

CHAIR(S): Jennifer Tucker

8:00 Christian Anderson*, University of Washington at Bothell, *Performative infrastructure as an urban social force: Questioning the politics of common life in the city.*

8:20 Melanie Samson*, University of the Witwatersrand, *Recycling Relations: Reconstituting Urban Social Relations on a Soweto Garbage Dump.*

8:40 Manisha Anantharaman*, University of California at Berkeley, *The relational class politics of cleaning and greening Bangalore, India.*

9:00 Colin Marx*, The Bartlett Development Planning Unit, UCL; Michael Walls, The Bartlett Development Planning Unit; Le-Yin Zhang, The Bartlett Development Planning Unit, *The Politics of Economic Knowledge in Informal Economies.*

Discussant(s): James A. Tyner, Kent State University

2123. Chairs' Symposium I: Social Media in Department Life: Strategies and Examples (Sponsored by Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))

Room: Franciscan D, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Kenneth E. Foote, University of Connecticut; Francis Koti, University of North Alabama

CHAIR(S): Kenneth E. Foote, University of Connecticut

Discussant(s): Angela Rogers, Pennsylvania State University; Euan Hague, DePaul University; David L. Coronado, American Association of Geographers

Panelists: Bruce Newbold, McMaster University

2124. Industrial Geographies

Room: Imperial A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Roberto Antonietti, University of Padova

8:00 Viktor Kveton*, Charles University in Prague; Jirí Blažek, Charles University in Prague; David Marek, Charles University in Prague, *R&D collaboration, industrial relatedness and geographical proximity in less developed regions.*

8:20 Dennis Choi*, University At Buffalo; Edo Han Siu Andriess, Seoul National University, *Value Chains and the Middle Income Traps: The case of the upstream sugar industry in Northeastern Thailand.*

8:40 Dongsuk Huh*, Seoul National University; Yangmi Koo, Seoul National University, *Evolution of a regional industrial ecosystem in Korea: A case of Sunchang.*

9:00 Jiwon Lee*, Seoul National University, *Path creation and regional creative resilience of old industrial regions:*

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The case of Seongsu-dong, Seoul, Korea.

9:20 Roberto Antonietti*, University of Padova; Ron Boschma, CIRCLE, Lund University (Sweden) and Urban and Regional research centre Utrecht (URU), Faculty of Geosciences, Utrecht University, *Social capital and regional diversification in Italy.*

2125. Author Meets Critics: Wendy Brown's Undoing the Demos (2015) (Sponsored by Political Geography Specialty Group, Geographic Perspectives on Women Specialty Group, Economic Geography Specialty Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Jessa Loomis, University of Kentucky
 CHAIR(S): Jessa Loomis, University of Kentucky
8:00 Wendy Brown, University of California Berkeley
 Discussant(s): Beverley Mullings, Queen's University; Richard A. Walker, University of California-Berkeley
 Panelists: Andrew Leyshon, University of Nottingham; Punam Khosla, York University; Susan M. Roberts, University Of Kentucky

2126. The Changing Faculty Scene (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group)

Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Dawn Hawley, Northern Arizona University
 CHAIR(S): Dawn Hawley, Northern Arizona University
 Panelists: Patricia Beyer, Bloomsburg University; Gregory A. Pope, Montclair State University; Amanda Stan, Northern Arizona University

2127. Beyond the Ivory Tower A: Preparing Geographers for Business and Private Sector Careers (Sponsored by Private/Public Affinity Group, AAG Jobs and Careers Theme)

Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Michael N. Solem, American Association of Geographers
 Discussant(s): Joni M. Palmer, University of Colorado at Boulder
 Panelists: Linda A. Peters, Esri; Sarah Battersby, Tableau Software; Herman Kok, Multi / ODTU; Amanda Kerckmar

2128. Geographies of Media V: Digital technologies, everyday geographies and experiencing space and place (2) (Sponsored by Communication Geography Specialty Group)

Room: Union Square 1, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Mike Duggan, Royal Holloway, University of London; Joseph Palis, University of the Philippines-Diliman
 CHAIR(S): Mike Duggan, Royal Holloway, University of London
8:00 Jeremy W Aber*, Middle Tennessee State University; Arthur Reed, Middle Tennessee State University, *Analog activities in a digital world: Tabletop gaming and social media.*
8:20 Vincent Miller*, University of Kent, *'Going to Africa?': The Problem of Presence in a World Where We Write.*
8:40 Jessica R. Barnes, PhD*, Northern Arizona University, *Good vibrations in virtual spaces? The Geographic Implications of Emulating Iconic Music Studios.*
 Discussant(s): James N. Ash, Newcastle University

2129. Environmental Repossession and Indigenous Communities (Sponsored by Indigenous Peoples Specialty Group)

Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Renee Pualani Louis, Institute of Policy and Social Research; Chantelle Richmond, The University of Western Ontario
 CHAIR(S): Renee Pualani Louis, Institute of Policy and Social Research
8:00 Chantelle AM Richmond, PhD*, The University of Western

Ontario, *Environmental repossession at the local level: The story from one Anishinabe community.*

8:20 Joshua Kane Tobias*, Sunnybrook Research Institute; Chantelle Richmond, University of Western Ontario, *Gimiigiwemin: Celebrating Knowledge Translation Towards Environmental Repossession.*

8:40 Renee Pualani Louis*, Institute of Policy and Social Research, *Kapu Aloha: A (K)New Kanaka Hawaii practice reinvisioned.*

9:00 Joseph P. Brewer II, Ph.D.*, University of Kansas; Elizabeth Ann Kronk Warner, J.D., University of Kansas Law School, *Protecting Indigenous Knowledge In The Age Of Climate Change.*

Discussant(s): Beth Rose Middleton, UC Davis

2130. Historical and Contemporary Topics in Military Geography I (Sponsored by Military Geography Specialty Group)

Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Andrew Lohman

CHAIR(S): Andrew Lohman

8:00 Neil Michael Manspeizer, PhD*, Tip-Top Energy, Ltd., *Geoengineering the Jahiliyya: Classifying Quantum Processes of Gap and Burden in the Middle East for GEOINT using Biotic Technology®.*

8:20 Chris Fuhrman*, University of Utah, *A Point Process Analysis of Terror Attacks in Afghanistan, 2002-2013.*

8:40 Stuart Pearson*, School of Physical, Environmental and Mathematical Sciences, UNSW Canberra, Canberra, ACT, 2600, Australia; Jane Holloway, Strategic Capability Analysis, Joint & Operations Analysis Division, Department of Defence Canberra BC ACT 2610, Australia; Richard Thackway, School of Physical, Environmental and Mathematical Sciences, UNSW Canberra, Canberra, ACT, 2600, Australia; Michael Thomas, School of Humanities Arts and Social Sciences, UNSW Canberra, Canberra, ACT, 2600, Australia; Izaak Gurney, MIDN, Australian Defence Force Academy, Canberra, ACT, 2600, Australia; Peter Kenshole, CDR, , Capability Development Group, Royal Australian Navy, Canberra, ACT, 2600, Australia.; Adrian McCallum, Faculty of Science, Health, Education and Engineering, University of the Sunshine Coast, Maroochydore DC, QLD, 4558, Australia, *Australian Geography and Strategic and Military Geography.*

9:00 Andrew Lohman*, West Point, *Military Geography: A Current Appraisal.*

2131. Tourism and Sense of Place (I) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Patrick Brouder, Brock University

CHAIR(S): Daniel H. Olsen, Brigham Young University

8:00 Gábor Szalkai*, Eötvös Loránd University, *Tourism and Symbolic Places: Gyimesbükk (Ghimes-Faget) - A Hungarian place of pilgrimage in Romania.*

8:20 Velvet Nelson*, Sam Houston State University, *The Holiday Death Walk: Tourist Identities in Narratives of Unexpected Adventure in Madeira.*

8:40 Sandra L. Nichols*, Society of Woman Geographers, *Alexander von Humboldt and the Qhapaq Ñan.*

9:00 J Anthony Abbott, PhD*, Stetson University, *Making the Pristine South with William Bartram.*

9:20 Daniel H. Olsen*, Brigham Young University, *Understanding Motivations of Hallyu Tourists in North America: The Case of K-Con 2015.*

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- 2132. Political Ecologies of Water in the West 1 (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**
Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Alida Cantor, Clark University; Joshua Cousins, University of Michigan
 CHAIR(S): Joshua Cousins, University of Michigan
 8:00 Suzanne Dallman*, California State University - Long Beach, *Navigating Drought in California: Opportunity or Crisis?*.
 8:20 Katie Butler, M.A. Geography*, San Diego State University; Anne-Marie Debbane, Ph.D., Assistant Professor of Geography, San Diego State University, *Reconfiguring Spaces of Capital in Southern California: A Political Ecology of the Imperial Valley - San Diego County Water Transfer Agreement*.
 8:40 Julian Fulton*, CSU Sacramento, *Water, Virtual Water, and Governance in California's Hydro-Social Cycle*.
 9:00 Julia M. H. Sizek*, University of California, Berkeley, *Golf Courses as Crops: The California Drought, Agriculture, and the Value of Water*.
 9:20 Richard Patrick Bixler, PhD*, Texas A&M University, *Power in Networks: Shaping Water Governance in the Texas Hill Country*.
- 2133. Contemporary Migration by Boat and Border Enforcement (Sponsored by Political Geography Specialty Group, Population Specialty Group)**
Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Keegan Andrew Williams, Wilfrid Laurier University; Elaine Burroughs, National University of Ireland
 CHAIR(S): Keegan Andrew Williams, Wilfrid Laurier University
 8:00 Polly Pallister-Wilkins, Assistant Professor*, University of Amsterdam, *Medécins Avec Frontières? Humanitarian Search and Rescue and the Reproduction of European Space*.
 8:20 Emily Field, PhD Candidate*, University of Western Ontario, *"Jumping Ship to Jump the Queue": The Canadian State Response to the Ocean Lady and the MV Sun Sea*.
 8:40 Nicholas James Cosmas*, United States Military Academy-West Point, *Borders on the March: A Revival of the Peripheral Border in the Face of Maritime Migration*.
 9:00 Andonea Dickson*, The University of Sydney; Andonea Dickson, B.A., M.A., PhD (in progress), The University of Sydney, *Silence as Technology: Australia's maritime border and strategies of exclusion*.
 Introducer: Elaine Burroughs
 Discussant(s): Keegan Andrew Williams, Wilfrid Laurier University
- 2134. 3D Virtual and Augmented Realities for Geoinformation Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Alexander Klippel, Pennsylvania State University; Craig McCabe, Esri; Sven Fuhrmann, George Mason University
 CHAIR(S): Alexander Klippel, Pennsylvania State University
 8:00 Martin Swobodzinski*, Portland State University, *Immersive visualizations and individual stress relief*.
 8:20 Alexander Klippel*, Pennsylvania State University; Mark Simpson, The Pennsylvania State University; Danielle Oprean, The Pennsylvania State University, *Virtual Geographies - A Research Agenda*.
 8:40 Shen Ying, Professor*, Wuhan University; Liping Zhu, Wuhan University; Qinglin Cheng, Wuhan University; Xiaohang Cao, NavInfo Co.Ltd., *Indoor Augmented Reality System based on Android Platform*.
 9:00 Aaron Michael Ferrari*, West Virginia University; Trevor M Harris, Dr, West Virginia University, *Exploring the Geosensory in Geography: Examining Olfaction and Geo-virtual Immersion as Contributors to a Sense of Place and Embodiment*.
- 9:20 Josh Johnston*, Boise State University; Meagan Tracy, Idaho State University; Steven Cutchin, PhD, Boise State University; Donna Delparte, PhD, Idaho State University, *Science-driven Immersive Visualizations for Human-Environment Systems*.
- 2137. Understanding (peri-)urban China: A qualitative approach (Sponsored by China Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Yi Li, Nanjing University; Zhigang Li
 CHAIR(S): Zhigang Li
 8:00 Zhigang Li, Professor*, Wuhan University, *Entrepreneurship and suburbanism ??A case of Pearl River Delta, China*.
 8:14 Yi Li*, Nanjing University; Xianjin Huang, Nanjing University; Fulong Wu, University College London, *Polycentric city-region as state-scalar politics of land development: the case of China*.
 8:28 Xukun Zhang*, City University of Hong Kong, *Explore a theoretical framework of urban borderland and informality: village-in-the-city in the Chinese context*.
 8:42 Haoxuan Sa*, University of Helsinki, *Who owns the land in redeveloped urban villages? ---a case study of Caitang, Xiamen*.
 8:56 Jun Yue*, Urban Planning & Design Institute of Shenzhen, *Research on Promoting Strategies of Land Re-development Guided by District- Coordinated- Developing-A Case Study of Pingshan Dawanshiju region in Shenzhen*.
 9:10 Youliang Guo*, Department of Urban and Regional Planning, Sun Yat-Sen University, China; Chengguo Zhang, Research Institute of Urbanisation, Sun Yat-sen University, China; Yaping Wang, Urban Studies, Glasgow University, UK; Xun Li*, Department of Urban and Regional Planning; Research Institute of Urbanisation, Sun Yat-sen University, China, *The operation and stagnation of redevelopment growth machine: The case of Liede Village in Guangzhou, China*.
- 2138. New Records of Paleoenvironmental Change I (Sponsored by Paleoenvironmental Change Specialty Group)**
Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Anna Agosta G' meiner, McGill University; Matthew T. Kerr, The University of Tennessee
 CHAIR(S): Matthew T. Kerr, The University of Tennessee
 Introducer: Anna Agosta G' meiner
 8:00 Julie Commerford*, Kansas State University; Bérangère Leys, Kansas State University; Joshua R Mueller, University of Utah; Kendra K McLauchlan, Kansas State University, *Variation in grassland vegetation composition and fire activity throughout the Holocene at Fox Lake, Minnesota*.
 8:20 Lysanna Anderson*, US Geological Survey; David B. Wahl, U.S. Geological Survey, *A Paleoenvironmental Reconstruction of Late Holocene Environmental Change from the Leonard Lake, Mendocino County, Northern Coast Range, California*.
 8:40 Jiaying Wu*, The University of Georgia; David F Porinchu, The University of Georgia, *Evidence for Hydroclimate Variability during the Medieval Climate Anomaly in the Highlands of Central Costa Rica*.
 9:00 Anna Agosta G' meiner*, McGill University; Matthew Peros, Bishop's University, *Holocene environmental change inferred from fossil pollen at Cenote Jennifer, Cayo Coco, Cuba*.
 9:20 Lawrence Kiage*, Georgia State University; Meghan Howey, Dr., University of New Hampshire; Joel

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Hartert, PhD, University of Colorado; Michael Palace, PhD, University of New Hampshire, *Long-term paleoenvironmental change in tropical Africa based on a record from Lake Kifuruka, Uganda.*

2139. Global Foreign Direct Investment Trends and Challenges in the 21st Century (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)

Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Hao Huang, University of Utah

CHAIR(S): Hao Huang, University of Utah

8:00 Jöran Bosse Wrana, Diplom-Geograph*, Institute of Geography, University of Cologne; Javier Revilla Diez, University of Cologne, *Does it matter for individuals in emerging economy to work for MNEs to experience 'decent work life'? - Empirical evidence from Vietnam.*

8:16 Yangmi Koo*, Department of Geography, Seoul National University, *Korean TNCs' business activities and knowledge flows in Vietnam.*

8:32 Barbara Hahn*, Wuerzburg University, *German Foreign Investment in the United States of America.*

8:48 Christophe Carrincazeaux*, GREThA UMR CNRS 5113; Marie Coris, GREThA UMR CNRS 5113; Guilhem Pasquier, GREThA VIA Inno, *New spaces for innovation: which trends in relocations of innovative activities?.*

9:04 Hao Huang*, Illinois Institute of Technology, *Foreign Direct Investment Location and Institutional Innovation in Chicago.*

9:20 Moritz Breul*, University of Cologne; Javier Revilla Diez, University of Cologne, *Gateway Cities in the Global South: The Regional Dimension of Nodes in the Global Economy.*

2140. Home: Life on the Margins of Home I: Exclusions (Sponsored by Cultural Geography Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Eric Goldfischer, University of Minnesota - Minneapolis; Jessie Speer

CHAIR(S): Jessie Speer

8:00 Eric Goldfischer*, University of Minnesota - Minneapolis, *"Peek-A-Boo, We See You:" Anti-Homelessness and Visibility in New York City.*

8:20 Carina Listerborn*, Malmö University; Guy Baeten*, *The housing precariat. Everyday challenges and forms of resistance in a non-affordable housing market.*

8:40 Solange Isabel Munoz, PHD*, University of Tennessee, *'Home' in the Era of Urban Precarity.*

Discussant(s): Don Mitchell, Syracuse University

2141. Remaking the global economy (Sponsored by Economic Geography Specialty Group)

Room: Union Square 14, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Karen Lai, National University of Singapore; Godfrey Yeung

CHAIR(S): Henry Wai-chung Yeung, National University of Singapore

Introducer: Henry Wai-chung Yeung

Panelists: Alex Hughes, Newcastle University; Eric S. Sheppard, UCLA; Andrew Jones, City University London; Michael Storper, London School of Economics; Andres Rodriguez-Pose, London School Of Economics

2142. Young People and the Transition to Adulthood (Sponsored by Population Specialty Group)

Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Sean Gill

CHAIR(S): Sean Gill

8:00 Paulina Billett, Dr*, La Trobe University, *Social capital: a new way of understanding youth transition..*

8:20 Lucas-Andrés Elsner*, TU Berlin; Lauri Johann

Turpeinen*, University of Helsinki, *I don't want to grow up (the way you do) - hardcore punk as an adolescent disruption of suburban everydayness in 1980s Southern California.*

8:40 Lucas Elsner, TU Berlin; Lauri Johann Turpeinen*, University of Helsinki, *I don't want to grow up (the way you do) - hardcore punk as an adolescent disruption of suburban everydayness in 1980s Southern California.*

9:00 Vireesh V Patel*, University of Oxford, *Parents, partners and possibilities: Youth, gender, and imagined futures in Gujarat, India..*

9:20 Magdolna Lorinc*, Middlesex University, London, *The Aspiration Generation. Educational and Occupational Aspirations in London.*

2143. Theorizing Digital Inclusion at the Intersection of Poverty, Social Networks and ICTs (Sponsored by Cyberinfrastructure Specialty Group, Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Michele Masucci, Temple University

CHAIR(S): Michele Masucci, Temple University

8:00 Melissa R. Gilbert*, Temple University; Melissa Gilbert, PH.D., Temple University, *Theorizing Poverty and ICTs: Reconsidering Philadelphia's Cyber past, present and future.*

8:20 Michele Masucci*, Temple University, *Towards an iterative approach to Public policy, ICTs and Poverty.*

8:40 David Organ*, David Organ, PH.D., Temple University, *Historical Geographic Antecedents for Examining Digital Divides and Inclusions.*

9:00 Alec Foster*, temple university; Ian M. Dunham, Temple University, *Blank Spaces in Tree Maps: Digital Inclusion, Poverty, and Urban Forest Volunteered Geographic Information.*

Discussant(s): Alan Wiig, University of Massachusetts, Boston; Sarah Heck, Temple University

2144. Book Discussion - Reframing Climate Change: Constructing Ecological Geopolitics (Sponsored by Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Shannon O'Lear, University of Kansas

CHAIR(S): Shannon O'Lear, University of Kansas

8:00 Shannon O'Lear, Ph.D.*, University of Kansas; Simon Dalby, Ph.D., Balsillie School of International Affairs, Wilfrid Laurier University, *Reframing Climate Change: Constructing Ecological Geopolitics.*

8:20 Kevin Grove*, Florida International University, *Biopolitics, Disaster Response, and the Micropolitics of Vulnerability.*

8:40 Emily Meierding*, Graduate Institute of International and Development Studies, *Disconnecting Climate Change from Conflict: A Methodological Proposal.*

9:00 Thilo Wiertz*, University of Freiburg, Germany, *Technology and politics in the anthropocene: visions of solar radiation management.*

Discussant(s): Paul Routledge, University of Leeds

2145. Spatial Modeling of Human-Environment Interaction in the Anthropocene (1) (Sponsored by Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Peter Michael Link, University of Hamburg;

Jasmin S. A. Link, University of Hamburg; Jürgen

Scheffran, Institute of Geography, University of

Hamburg

CHAIR(S): Jürgen Scheffran, Institute of Geography, University of Hamburg

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- 8:00** Peter Michael Link*, University of Hamburg; Christian Alwardt, University of Hamburg; Jasmin S.A. Link, University of Hamburg; Juergen Scheffran, University of Hamburg, *Spatial modeling of the water-land use nexus in Northern Africa.*
- 8:20** Jordan W. Smith*, Utah State University; Lindsey S Smart, NC State University; Allie McCreary, NC State University, *Hydrating the Agents: Integrating the Spatial and Temporal Availability of Freshwater Resources into Agent Based Models.*
- 8:40** Lindsey S. Smart, MEM*, North Carolina State University; Jordan W. Smith, Ph.D, Utah State University; Ross K. Meentemeyer, Ph.D, North Carolina State University, *Social Network Effects on Land-use Patterns in Agent-based Models of Dynamic Land Change Processes.*
- 9:00** Claire Lagesse*, *Read Cities through their Lines. Methodology to characterize spatial graphs..*
- 9:20** Jasmin S. A. Link*, University of Hamburg, *Path dependence on the micro level: the SHE-model.*
- 2146. Sex and the City: Reactionism, Resistance and Revolt III - Otherness, Transgression & Normalisation (Sponsored by Sexuality and Space Specialty Group)**
Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Clarissa Smith, University of Sunderland; Emily Cooper, Northumbria University
 CHAIR(S): Clarissa Smith, University of Sunderland
8:00 Emilia Ljungberg*, Karlstad University, *Distinction, fluidity and discretion in the striving toward respectability for high class sex workers.*
8:20 Erin Sanders-McDonagh*, Middlesex University, *Mapping transgression/gentrification: Lights of Soho.*
8:40 Ingrid Olson*, University of British Columbia, *Abduction in the Public Sphere: Sodomasochism, Surveillance, & Governmentality.*
 Discussant(s): Clarissa Smith, University of Sunderland
- 2147. Relational Poverty 1: Uneven spatialities and the production of poverty knowledge**
Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Mona Atia, George Washington University; Karen Rignall
 CHAIR(S): Mona Atia, George Washington University
8:00 Tara Patricia Cookson*, University of Cambridge, *A critical exploration of poverty reduction and wealth production in Peru.*
8:20 Harry Pettit*, London School of Economics, *Learning to Dream: inciting autonomy in order to 'solve' a youth unemployment crisis in Egypt.*
8:40 Mona Atia, PhD*, George Washington University, *Poverty Mapping and the Politics of Knowledge Production.*
9:00 Karen E Rignall, PhD*, University of Kentucky; Karen Rignall, *Poverty, possibility, and the spatiality of uneven development in Morocco.*
9:20 Hiba Bou Akar*, Hampshire College, *On Planning and the Spatial Turn in Development in the Global South.*
- 2148. Urban and Rural Land Use and Migrant Experience**
Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Nelson Vera Büchel, University of Neuchâtel
8:00 Xiangmei Li*, Hubei University of Economics, *Urban land use structural optimization based on Artificial Bee Colony algorithm: the perspective of ecological carrying capacity.*
8:10 Yeong-Hyun Kim*, Ohio University, *South and Southeast Asian Migrant Workers in Seoul: Spatial Stories of Temporary Labor Migration in South Korea.*
8:20 Paul C. Flynn*, University of Texas - Austin, *Spatial Distributions of Immigration Deportation Hearings.*
- 8:30** Margaret Ruth Norton*, Penn State University, *Chicago Refugee Adaptation Assessment.*
- 8:40** Zuyu Huang*, School of Geography, University of Melbourne; Zehan Pan, Department of Geography and Prentice Institute, University of Lethbridge; Guixin Wang, Institute of Population Studies, Fudan University, *Contesting Urban Citizenship or Rural Farmland? A Synthetic Analysis of Factors Affecting the Intention of Settlement of Rural Migrants in Urban China.*
- 8:50** Hanyan Li*, Georgia Institute of Technology; Yuanbo Wang*, *Real-Time Emissions Estimation of Public Transit Operations.*
- 9:00** Chunyan Liu*, *Study on Rural Tourism and The Sustainable Development of Countryside Economy in Yanwowan.*
- 9:10** Yurixhi Manriquez*, Centro de Investigaciones en Geografía Ambiental, UNAM; Claudio Garibay, Centro de Investigaciones en Geografía Ambiental, UNAM, *Mining, conflicts and hegemony: the dispute over regional space at Sierra Norte de Puebla, Mexico.*
- 9:20** Nelson Vera Büchel*, University of Neuchâtel; Thierry Theurillat, University of Neuchâtel; Olivier Crevoisier, University of Neuchâtel, *From Capital Landing to Urban Anchoring: The Valuated City.*
- 2149. Health mobilities III: Interrogating the intersection of healthcare, globalization, mobility and commodification (Sponsored by Geographic Perspectives on Women Specialty Group, Health and Medical Geography Specialty Group)**
Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Heidi Kaspar, University of Zurich; Audrey Bochaton, University Paris Ouest Nanterre la Défense
 CHAIR(S): Heidi Kaspar, University of Zurich
8:00 Sarah Hartmann*, University of Zurich, *The Work of Medical Travel Facilitators: Caring For and Caring About International Patients in Delhi.*
8:20 Cindy Smithers Graeme, PhD Candidate*, Western University; Chantelle Richmond, PhD, Associate Professor, Western University, *"Bringing my culture wherever I go" Exploring concepts of health and well-being among young urban First nations men..*
8:40 Shuangyu Xie*, Kean University, *Health Outcomes of Tourism of Chinese Tourists: A Study Based on Tourists' Travel Blogs.*
9:00 Audrey Bochaton*, University Paris Ouest Nanterre la Défense, *From Laos to the US, medicinal plants in motion: transnational ties between gatherers, sellers and consumers.*
 Discussant(s): Margaret W. Walton-Roberts, Wilfrid Laurier University
- 2150. Developmentalism transformed (1): Developmental urbanism in South Korea (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Hyeseon Jeong, Wright State University; Youjeong Oh, University of Texas - Austin
 CHAIR(S): Youjeong Oh, University of Texas - Austin
8:00 Hyun Bang Shin, PhD*, London School of Economics and Political Science, *Developmental Urbanisation and the Genealogy of Urban Rights in South Korea.*
8:20 Seo Young Park*, Scripps College, *Nostalgia for Remnants : Industrial Past and Urban Future of the Social Experiments in Changsindong, Seoul.*
8:40 Youjeong Oh*, University of Texas - Austin, *K-Star Road: From Territorial Development to City Branding.*
 Discussant(s): Jesook Song, University of Toronto
- 2151. Mega Events and City-Regional Studies**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Graeme Lorenzo Evans, Middlesex University

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 Introducer: Graeme Lorenzo Evans

8:10 Cecil Sagoe*, University College London, *Return of the Development Corporation: The Politics of Planning for Regeneration within London's Olympic Park.*

8:25 Anne-Marie Broudehoux*, University of Quebec at Montreal, *Event-led regeneration in Rio de Janeiro : Building the city of exception..*

8:40 Stefano Di Vita*, Politecnico di Milano; Corinna Morandi*, Politecnico di Milano; Andrea Rolando, Politecnico di Milano, *The material and immaterial legacy of the Milan 2015 World's Fair. Which spatial effects for the Northern Italy city-region?.*

8:55 Daniel Baxter*, Glasgow Caledonian University; John Lennon, PhD MPhil BSc (Hons), Moffat Centre for Travel and Tourism Business Development and Glasgow Caledonian University, *Evaluating the impact and legacy of a year long pan national event: the case of Homecoming Scotland 2014.*

9:10 Martina Renate Löw, Prof. Dr.*, TU Berlin, *On the "Eigenlogik" of cities and Flagship architecture as part of a Mega-event..*

Discussant(s): Ozlem Edizel

2152. H. Jesse Walker and Coastal Geography 1 (Sponsored by Coastal and Marine Specialty Group, Hazards, Risks, and Disasters Specialty Group, History of Geography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Craig Colten, Louisiana State University; Klaus J. Meyer-Arendt, University of West Florida

CHAIR(S): Craig Colten, Louisiana State University

8:00 Norbert P. Psuty*, Rutgers University; Andrea Spahn, Rutgers University, *Monitoring Coastal Geomorphological Change: Creation of a Regional Federal Geodatabase.*

8:20 Douglas J. Sherman, Ph.D.*, University of Alabama, *Megaripple and Flat Bed, Surf-Zone Flow Regimes.*

8:40 Steven Namikas*, Louisiana State University; Phillip Schmutz, University of West Florida; Brandon Edwards, Louisiana State University; Dustin McGrew, Louisiana State University, *Investigations of Evaporation from Beach Sand.*

9:00 Klaus J. Meyer-Arendt*, University of West Florida; Peter Tereszkiewicz*, University of West Florida, *Artificial Structures on the Yucatán Coast, Mexico.*

Discussant(s): Joann Mossa, University of Florida

2153. Eurasian Themes I: Migration-Change-Palimpsest (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Asian Geography Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research

CHAIR(S): Jeremy Tasch, Towson University

8:00 Catherine Harris*, University of Birmingham, *Migrant manufacturing: the case of the translocal Polish bakery.*

8:20 Samer N. Alatout*, University of Wisconsin-Madison, *Ontological Affect and the 'Nature' of Empire.*

8:40 Marat Murzabekov*, University of Uppsala, *The Cartographic Heritage: The Role of Cartographic Continuity in the Kyrgyz Pasture Management.*

2154. Spatiotemporal Symposium: New Data Sources, Technologies and Tools for Disaster Management (Sponsored by Cyberinfrastructure Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Zhenlong LI, University of South Carolina;

Guido Cervone, Pennsylvania State University

CHAIR(S): Zhenlong LI, University of South Carolina

8:00 Akhilesh Ojha, MS, MBA*, Missouri University of Science and Technology; Suzanna Long, PhD, Missouri University of Science and Technology; Tom G Shoberg, PhD, U.S. Geological Survey; Steven M Corns, PhD, Missouri University of Science and Technology, *Framework for Studying the Logical Interdependence between Infrastructures in the Aftermath of an Extreme Event.*

8:20 Duanyang Jing*, University of Wisconsin - Madison; Quying Huang, University of Wisconsin - Madison, *Microblogging during natural disaster: Exploring users contributing to Situational Awareness.*

8:40 Fei Carnes, Harvard University; Weihe Wendy Guan*, Harvard University, *Modeling the Spatiotemporal Distribution of Agricultural-Feasible Land in China.*

9:00 Mimi Shi*, *An integrated approach to analyze post-disaster recovery with Institutional Analysis and Development (IAD) Framework and Capital Assets Framework (CAF) analysis ??A comparative study between Nanba Town, China and Greensburg, USA.*

9:20 Javier Nunez Villalba*, Instituto de Investigaciones Geograficas - Universidad Mayor de San Andrés, *Geovisor a geoportal for disaster monitoring spatial in La Paz (Bolivia).*

2155. Geographies of health and development in Africa 1: Context of Infectious Diseases (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Vincent Zubedaar Kuuire, Queen's University

CHAIR(S): Vincent Zubedaar Kuuire, Queen's University

8:00 Isaac N. Luginaah*, Western University, London, Ontario; Joseph Kangmennaang, University of Waterloo, Waterloo, Ontario; Mosoka Fallah, PhD, Ministry of Health and Social Welfare - Liberia; Bernice Dahn, MD, Ministry of Health and Social Welfare - Liberia; Francis Kateh, Ministry of Health and Social Welfare - Liberia; Tolbert Nyenswah, Ministry of Health and Social Welfare - Liberia, *Timing and Utilization of Antenatal Care Services in Liberia: Understanding the Pre-Ebola Epidemic Context.*

8:20 Mark A. Deka*, Texas State University - San Marcos, *Land Cover Change in West Africa and the Emergence of the 2014 Ebola (EVD) Epidemic.*

8:40 Qinjin Fan*, *Tracking the Spatial-Temporal Patterns of 2014 Ebola Virus Disease Outbreak and Measuring Spatial Accessibility to Health Facilities in West Africa.*

9:00 Ronan Arthur, PhD Student*, Stanford University; Laura S Bloomfield, MD/PhD Candidate, Stanford University, *Spatial variation and preventative behavior: a case study of HIV in Western Uganda.*

9:20 Christopher Uzzell*, University of Glasgow; Jo Halliday, University of Glasgow; Rhian Thomas, University of Glasgow; Sarah Cleaveland, University of Glasgow, *Canine Leptospirosis in an Informal Settlement: Mapping Human Risk Using Animal Sentinels and Environmental Data.*

2156. Thinking the Anthropocene through Race 1

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Bruce Erickson, University of Manitoba

CHAIR(S): Lawrence D. Berg, University of British Columbia

8:00 Arun Saldanha*, University of Minnesota - Minneapolis, *Racial capitalism and the Anthropocene from an antihumanist perspective.*

8:20 Pavithra Vasudevan*, University of North Carolina, Chapel Hill; Sara H. Smith*, University of North Carolina; Mabel Gergan, University of North Carolina, *Earth beyond repair: Race and apocalypse in collective imagination.*

8:40 Bruce Erickson*, University of Manitoba, *Decolonial Unsettling and Anthropocene Futures.*

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- 9:00** Jessica Lehman*, University of Minnesota - Minneapolis, *Difference, History, Planet: For an Ocean Archive*.
Discussant(s): Olivia Umurewa Rutazibwa, University of Portsmouth
- 2157. Jewish Geographies I. Spatial Insights into Contemporary Jewish Life in the Diaspora (Sponsored by Ethnic Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Sebastian Henn, University of Jena; Ira M. Sheskin, University of Miami
CHAIR(S): Sebastian Henn, University of Jena
8:00 Judy Schaaf*, University of Massachusetts Dartmouth; Judy Schaaf, University of Massachusetts Dartmouth, *"Our Jews": English Elements of Jewish Identity in Thirteenth Century Britain*.
8:20 Ira M. Sheskin*, University of Miami; Harriet Hartman, PhD, Department of Sociology and Anthropology, Rowan University, *Community Context: Denominational Profiles of American Jewish Communities*.
8:40 Bruce Arlan Phillips*, Hebrew Union College, *Jewish Ethnourbs*.
9:00 Neil G. Jacobs*, Ohio State University, Emeritus, *The localization of stereotypical Jewish speech*.
Discussant(s): Anna Lipphardt, Freiburg University
- 2158. Critical Perspectives on Food System Interventions 1 (Sponsored by Urban Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Luke Craven, University of Sydney
CHAIR(S): Christine C. Caruso, Eastern Connecticut State University
8:00 Daniel Warshawsky*, University of Southern California, *Methodological Challenges in Food Systems Research and the Limits of Local Food System Interventions in Cities*.
8:20 Luke Craven*, University of Sydney, *Household food insecurity and its determinants: how should we respond?*.
8:40 Hilda Kurtz*, University of Georgia, *Banning GMOs in New England: States and municipalities as laboratories of policy innovation*.
9:00 Joshua Lohnes*, West Virginia University, *Governing food gluts: Emergency food bureaucracies and the paradox of plenty*.
Discussant(s): Julian Agyeman, Tufts University
- 2159. Symposium on Human Dynamics Research: Theoretical perspectives on human dynamics research (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Daniel Z. Sui, The Ohio State University; Shih-Lung Shaw, University of Tennessee
CHAIR(S): Daniel Z. Sui, The Ohio State University
8:00 Helen Couclelis*, University of California, Santa Barbara, *Human Dynamics Before (and After) Twitter: Something Old, Something New*.
Discussant(s): Paul C. Adams, University of Texas at Austin; Francis Harvey, Leibniz-Institute for Regional Geography; Harvey J. Miller, The Ohio State University; Jeremy Crampton, University of Kentucky; May Yuan, University of Texas - Dallas
- 2160. Indigenous Food Sovereignty I: Alternative Economies and Exchange Systems (Sponsored by Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): RDK Herman, National Museum of the American Indian
8:00 Katrina McClure*, Univ. of KS, *Positioning Seed Production, Distribution, Exchange, and Biodiversity in the Food Sovereignty Movement: The Role of Indigenous Knowledge Exchange and Co-Production*.
8:20 Jennifer Sowerwine*, UC Berkeley; Daniel Sarna-Wojcicki, University of California, Berkeley; Megan Mucioki, PhD*, UC Berkeley, *Native Food Sovereignty in the Klamath Basin of Oregon and California*.
8:40 Mario Reinaldo Machado*, Pennsylvania State University, *Isolation as Opportunity?: Bartering Economies and Alternative Food Systems in the Afram Plains, Ghana*.
9:00 Kathryn J. Besio*, University of Hawaii-Hilo, *Water Buffalo Dreams in the Garden*.
9:20 Steven McCutcheon*, New York University, *Bridging the Urban/Rural Divide? Cross-sphere Linkages and the (Anti)Politics of Alternative Food in Mexico*.
- 2161. GIS & Technology Poster Session**
Posters for this session can be found on pages 158-162.
Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
*** Continued into next slot, 2261
- 2162. Assessing Ecosystem Services in the Anthropocene (I) (Sponsored by Landscape Specialty Group, Biogeography Specialty Group)**
Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
ORGANIZER(S): Kaitlin Tasker; Eugenio Y. Arima, The University of Texas at Austin
CHAIR(S): Kaitlin Tasker
8:00 Amber Saylor Mase, PhD*, University of Wisconsin - Madison; Chloe B Wardropper, UW-Madison; Adena R Rissman, Associate Professor, UW-Madison, *Water, Agriculture, and Tradeoffs: Public perceptions of ecosystem services in a Midwestern watershed*.
8:20 Mary Ann Rozance*, Portland State University; Diana Denham, Portland State University; Harisharan Luintel, Portland State University; Robert Scheller, Portland State University; Bibek Luintel, *From conservation to income generation: equity and community forestry in Nepal*.
8:40 Kaitlin Tasker*, University of Texas at Austin, *Combining Economics and Landscape Ecology to Guide REDD Programs: A Case Study of Cordillera Azul National Park, Peru*.
9:00 Sunita Chaudhary*, Macquarie University, *Can cultural services create justice to ecosystems and society?*.
- 2163. The Quest to Map Plant Species (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group, Biogeography Specialty Group)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
ORGANIZER(S): Keely Roth, University of California; Susan Meerdink, University of California Santa Barbara
CHAIR(S): Keely Roth, University of California
8:00 Keely L. Roth, PhD*, University of California, Davis; Margarita Huesca, PhD, University of California, Davis; Stewart He, University of California, Davis; Cesar Antonio Ortiz Toro, Universidad Politécnica de Madrid; Mariano Garcia Alonso, PhD, NASA Jet Propulsion Laboratory; Susan L. Ustin, PhD, University of California, Davis; Nina Amenta, PhD, University of California, Davis; Consuelo Gonzalo Martin, PhD, Universidad Politécnica de Madrid, *Mapping tree species and community composition along an elevational transect in central California with NEON lidar and imaging spectroscopy data*.
8:20 Susan Meerdink*, University of California Santa

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Barbara; Dar Roberts, University of California Santa Barbara; Keely Roth, University of California Davis, *Differentiating California plant species across seasons using airborne VSWIR and TIR imagery.*

8:40 Gengchen Mai*, University of California - Santa Barbara, CA, *Tea Plantation Expansion in Hangzhou, China: Process, Related factors & Ecological Effect.*

9:00 Matthew David Cross*, University of Colorado - Denver; Ted Scambos, University of Colorado - Boulder, *Employing High Resolution Satellite Imagery in Delineating Forest Types in a Complex Tropical Forest Setting.*

9:20 James J. Hayes*, University of Nebraska Omaha, *Discrimination of Vegetation Communities in Owens Valley California.*

2164. Mental health, substance use, and spatial distribution (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Paper Session)
ORGANIZER(S): Geography and Urban Health

CHAIR(S): Gerald Stahler, Temple University

8:00 Andrew R Maroko, PhD*, City University of New York; Juliana Maantay, Ph.D., M.U.P., F.R.G.S., Lehman College, CUNY, *"At-risk" places: Inequities in the distribution of environmental stressors and prescription rates of mental health medications in Glasgow, Scotland.*

8:20 Gerald Stahler, Ph.D.*, Temple University; Jeremy Mennis, Ph.D., Temple University, *Addiction Treatment Completion in US Cities: Are there Racial and Ethnic Disparities Across Different Substances of Abuse?.*

8:40 Katherine Lester, MS*, University of North Texas, *How Does the Outside Get In? A neuropsychological framework for human-environment interaction.*

9:00 Martine Shareck*, London School of Hygiene and Tropical Medicine, London, UK; Geetanjali D Datta, Université de Montréal, Montreal, Canada; Julie Vallée, Centre National de la Recherche Scientifique, Paris, France; Katherine L Frohlich, Université de Montréal, Montreal, Canada, *Is tobacco retailer availability in the activity space associated with smoking cessation? Findings from the Interdisciplinary Study of Inequalities in Smoking..*

9:20 Sarah Alexandra Foster, PhD*, University of Western Australia; Paula Hooper, PhD, University of Western Australia; Gina Trapp, PhD, University of Western Australia; Lisa Wood, PhD, University of Western Australia; Matthew Knuiman, PhD, University of Western Australia; Wendy Oddy, PhD, University of Western Australia, *Liquor landscapes: The impact of neighbourhood liquor licenses on alcohol consumption in young adults.*

2165. Geographies of Diplomacy in the 21st Century

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)
ORGANIZER(S): Alun Jones, University College Dublin

CHAIR(S): Alun Jones, University College Dublin

8:00 Veit Bachmann*, Goethe-University Frankfurt, *The making of EU Diplomacy in Kenya: place, personality and institutional culture.*

8:18 Anna Moore*, University of Oregon, *Influence, persuasion, and the (re)making of United States diplomatic presence.*

8:36 Alun Jones*, University College Dublin; Julian Clark*, University of Birmingham, *Diplomacy and Neoliberalism: UK-India.*

8:54 Merje Kuus*, University of British Columbia, *Diplomacy as a transnational field: training and socialization.*

9:12 Ludivynn Munoz*, Université Paris 8, *The geography of a new cultural diplomacy: the case of the "geocultural union".*

Discussant(s): Jason Dittmer, University College London

2166. Episodic Fluvial Sedimentation and Geomorphic Responses: A Centennial Tribute to G.K. Gilbert, Part I (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): L Allan James, University Of South Carolina; Scott A. Lecce, East Carolina University

CHAIR(S): Scott A. Lecce, East Carolina University

8:00 L Allan James*, University of South Carolina, *A Sediment Budget for Hydraulic Mining Sediment in the Sierra Nevada, California.*

8:20 Amy E East*, U.S. Geological Survey; Andrew C Ritchie, National Park Service; Timothy J Randle, U.S. Bureau of Reclamation; Jennifer A Bounry, U.S. Bureau of Reclamation; Christopher S Magirl, U.S. Geological Survey; Guy R Gelfenbaum, U.S. Geological Survey; Jonathan A Warrick, U.S. Geological Survey; Andrew Stevens, U.S. Geological Survey; Joshua B Logan, U.S. Geological Survey; Mark C Mastin, U.S. Geological Survey; George R Pess, National Oceanic and Atmospheric Administration, *Landscape response and four-year sediment budget following removal of two large dams on the Elwha River, Washington.*

8:40 Glen Leverich, MS, PG*, Stillwater Sciences; Peter Downs, PhD, School of Geography, Earth and Environmental Sciences, University of Plymouth; Scott Dusterhoff, MS, San Francisco Estuary Institute, *Sediment Dynamics and Morphological Response Revealed by Sediment Budget Analysis for a Regulated Catchment in Coastal California, USA.*

9:00 Matthew D. Weber*, Department of Land, Air, and Water Resources, University of California - Davis; Gregory B. Pasternack, Department of Land, Air, and Water Resources, University of California - Davis, *Sediment Budgets at the Reach and Morphological Unit Scale for the Lower Yuba River.*

9:20 Yunzhen Chen*, School of Geographic and Oceanographic Sciences, Nanjing University, China; Irina Overeem, Community Surface Dynamics Modeling System, University of Colorado, Boulder, CO 80309-0545, USA; Shu Gao, School of Geographic and Oceanographic Sciences, Nanjing University, China; James P.M. Syvitski, Community Surface Dynamics Modeling System, University of Colorado, Boulder, CO 80309-0545, USA; Albert J. Kettner, Community Surface Dynamics Modeling System, University of Colorado, Boulder, CO 80309-0545, USA, *A Sediment Budget for the Lower Yellow River during the Years 1580-1849.*

2167. Student Engagement in Community Service 1 (Sponsored by Geography Education Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Monterey I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Sallie A. Marston, University of Arizona; Vincent J. Del Casino, University of Arizona

CHAIR(S): John Paul Jones, University of Arizona

8:00 Vincent J. Del Casino*, University of Arizona, *Engaging in Engagement: Building Student-Centered Learning Projects into the Curriculum.*

8:20 Mary Beth Pudup*, University of California, Santa Cruz, *Civic Engagement: The (Political) Career of a Concept.*

8:40 William Osteen, Director, UC Community Engagement Hub*, University of Canterbury, *When the ground shifts, what can you count on? The consistency of student engagement in a community-based Geography course before and after the 2010 and 2011 earthquakes in Christchurch, New Zealand.*

9:00 Courtney G Flint, PhD*, Utah State University,

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Undergraduate Teams for Community-Based Research: Creative Opportunities and Institutional Challenges.

Discussant(s): Marianna Pavlovskaya, Hunter College and CUNY Graduate Center

2168. Mental health and physical wellbeing (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Gemma Burgess, University of Cambridge

8:00 Su-Yin Tan*, University of Waterloo; Robert Haining, University of Cambridge, *The geography of crime and impacts on public health.*

8:20 Andrew F. Clark*, Western University; Danielle Tobin, PhD, Western University; Brenton Button, Western University; Christine Mitchell, Western University; Jason Gilliland, Western University, *Examining physical activity behaviours among youth in urban, suburban, small town and rural environments.*

8:40 Sanna Marika Markkanen*, University of Cambridge; Gemma Burgess*, University of Cambridge, *Health outcomes of place based approaches to building community cohesion: time credits in England.*

9:00 Michal Czepkiewicz*, Institute of Geocology and Geoinformation, Adam Mickiewicz University in Poznan, Poland, *Self-rated Health and Distribution of Green Areas in Poznan, Poland: Results of a Project and Discussion of Selected Methodological Issues..*

9:20 Ahuva Jacobowitz, MA*, NYC Department of Housing Preservation and Development, *Is Seeing Really Believing? An Analysis of Objective Crime, Perceived Disorder and Safety, and the Association with Mental Distress in New York City.*

2169. Spatial Approaches to Improving Maternal and Child Health (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Helen Hazen, University of Denver

CHAIR(S): Wei Tu, Georgia Southern University

8:00 Caleb Parker, MA*, FHI 360; Emily Keyes, MPH, FHI 360; Seth Zissette, MS, FHI 360; Patricia Bailey, DrPH, FHI 360, *Modeling the Phenomenon of Bypassing in a Maternal Health Emergency by Weighting the Quality of Health Facilities: A Spatial Model for Mozambique.*

8:20 Xing Gao*, Macalester College, *Understanding how distance to facility and quality of care affect maternal health service utilization in Kenya and Haiti: A Comparative Geographic Information System Study.*

8:40 Kathleen M. Baker*, Western Michigan University; Rajib Paul, Western Michigan University; Amy Curtis, Western Michigan University, *Visualizing Maternal and Child Health Across an Urban-Rural Boundary: Adapting KDE Bandwidths at the Sub-County Level.*

9:00 Richard Ohwofasah Djukpen, Ph.D.*, Geospatial Data Services; Richard Ohwofasah Djukpen, Ph.D., *Accounting for Spatio-temporal patterns of Infectious Diseases in Nigeria.*

9:20 Wei Tu*, Georgia Southern University, *The spatial-temporal patterns of Preterm Births in Georgia, USA, 1994-2014.*

2170. Political Ecologies of Technology: 1 (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Eric Nost, University of Wisconsin-Madison; Heather Rosenfeld, University of Wisconsin - Madison; Anthony Levenda, Portland State University

CHAIR(S): Dillon Mahmoudi, Portland State University

8:00 Brett Sylvester Matulis*, University of Leicester, *"We Are*

Anonymous": Digital Conservation Activism on the Darknet.

8:20 Eric Nost*, University of Wisconsin-Madison, *The limits and value of big data: towards a political ecology approach.*

8:40 James Thatcher*, University of Washington - Tacoma, *Digital Goods, Environmental Costs: Bitcoin Mining and the Materiality of Virtual Natures.*

9:00 Graham Pickren*, Roosevelt University, *Ethnographies of Infrastructure: Adaptive Reuse, Railroads, and Fiber-Optics in Chicago.*

Discussant(s): Lily A. House-Peters, University of Arizona; Matthew W. Wilson, Harvard University

2171. Health

Room: Golden Gate Room, Hotel Nikko, 25th Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Philippe Amstislavski, University of Alaska, AK

8:00 Wei Liu*, Michigan State University; Arika Ligmann-Zielinska, Michigan State University, *Modelling the Joint Impact of Social Networks and Built Environments on Adolescents' Physical Activity: A Spatial Agent-based Model Method.*

8:10 Alexandra Knopf*, Clark University, *Healthcare Facility Location: A Breast Cancer Alliance Case Study.*

8:20 Ying Li*, East Tennessee State University; Wei Zhang, Remin University, Beijing China, *Predicting future heat-related mortality in large urban areas in China using GIS (Geographic Information System) and epidemiological approaches.*

8:30 Qian Zuo*, University of Hull; Graham Ferrier, University of Hull, *Spatial distribution and prediction of endemic fluorosis in Xinjiang Uyghur Autonomous Region, China.*

8:40 Zhang An*, Institute of Geographical Sciences and Natural Resources Research,CAS; Qi Qingwen, Institute of Geographical Sciences and Natural Resources Research,CAS; Liang Shi, Shenzhen Center for Health Information; Jiang Lili, Institute of Geographical Sciences and Natural Resources Research,CAS, *Temporal and Spatial Dynamic Population Exposure to Air Pollution in Urban.*

8:50 Elenna Dugundji, PhD*, CWI, *Impact of Temporal Social-Spatial Activity-Travel Networks on the Transmission of Infectious Disease.*

9:00 Spiro Korizis*, Lehman College; Glen D Johnson, Ph.D Department of Health Sciences, Lehman College, *Gentrification and Health Outcomes in the Bronx.*

9:10 Philippe Amstislavski, PhD*, University of Alaska, AK, *Characterizing Effect of Changes in Surface Water on Migration and Health Access: Perspectives from the Nenets Autonomous Okrug, Russia.*

2172. Planetary Urbanization and Comparative Research: Towards a New Vocabulary of Urbanization

Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Christian Schmid, ETH Zurich; Kit Ping Wong

CHAIR(S): Christian Schmid, ETH Zurich

8:00 Christian Schmid*, ETH Zurich, *Towards a New Vocabulary of Urbanization.*

8:20 Monika Streule*, ETH Zurich, *Transdisciplinary Comparative Methodology: Qualitative Mapping & Mobile Ethnography.*

8:40 Naomi Clara Hanakata*, ETH Zurich; Monica Streule, ETH Zurich, *Incorporation of Urban Differences in Tokyo and Mexico City.*

9:00 Lindsay Sawyer*, ETH Zürich, *Plotted Development in Lagos and Shenzhen: a new conceptual category of urbanisation.*

Discussant(s): AbdouMaliq Simone

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- 2173. Global Urban Observation: Towards Sustainable Cities (I) - Surface Climate Assessment and Monitoring (Sponsored by Remote Sensing Specialty Group)**
Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Qihao Weng, Indiana State University
 CHAIR(S): Yitong Jiang, Indiana State University
8:00 Yitong Jiang*, Center for Urban and Environmental Change, Department of Earth and Environmental Systems, Indiana State University; Qihao Weng, Center for Urban and Environmental Change, Department of Earth and Environmental Systems, Indiana State University, *Surface Moisture Estimation in Urban Areas.*
8:20 Yang Song*, University of Wisconsin-Milwaukee; Changshan Wu, University of Wisconsin Milwaukee, *Retrieving Discomfort Index at Multiple Scales with Remotely Sensed Data.*
8:40 Leiqiu Hu*, National Center for Atmospheric Research; Andrew Monaghan, National Center for Atmospheric Research; Michael Barlage, National Center for Atmospheric Research; James Voogt, University of Western Ontario, *Quantify the impact of directional anisotropy on MODIS land surface temperature for urban areas.*
9:00 Joshua Reynolds*, University of Utah; Phillip Dennison, Dr., University of Utah; Austin Coates, University of Utah, *Trees and Degrees: Comparing Urban Vegetation Cover with Summer Land Surface Temperature in the Salt Lake Valley.*
9:20 Wei Huang*; Qihao Weng, *Modeling Temperature with NDVI and EVI Time Series Data in Los Angeles, California.*
- 2174. Linguistic Geography (Sponsored by Graduate Student Affinity Group, Cultural Geography Specialty Group)**
Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Catherine E. Lee, University of Hawaii at Manoa
 CHAIR(S): Catherine E. Lee, University of Hawaii at Manoa
8:00 Maxime Gaudet, M.A.*, University of Ottawa, *Border, Barriers and Tactics: everyday negotiations of homeless youth in a linguistically divided Ottawa-Gatineau..*
8:20 Nicole Gallant*, INRS; Aline Lechaume, Université Laval, *Sense of Place and Sense of Belonging: the Case of Non-territorial Francophone Minorities in Canada.*
8:40 Kathryn L. Hannum*, Kent State University, *EU regional policies in practice: The case of Galicia, Spain.*
9:00 Richard Hunter*, State University of New York at Cortland, *Grammatical subjects, 'Hell is other people', and irreprehensible nature.*
9:20 Bryan S. Wee*, University of Colorado Denver, *Leave it to the government and scientists: Children's environmental discourse in Stockholm.*
- 2175. Illegibility and the Politics of Not Knowing: Paper Session 1**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Sara Keene, Cornell University; Alice Beban, Cornell University
 CHAIR(S): Sara Keene, Cornell University
8:00 Rajyashree N Reddy*, University of Toronto, *Municipal Informalities: Illegibility, Unmapping and the Flexible Management of Garbage in Bangalore.*
8:20 Laura Schoenberger*, York University, *Land titling and land deals: tensions in the interactions between making legible and making illegible in Cambodia?.*
8:40 Julie Cupples*, University of Edinburgh; Kevin Glynn*, Massey University, *Proliferating Nicaraguan mediascapes: The FSLN, indigenous rights and media convergence.*
9:00 Anne Short Gianotti*, Boston University, *Governing the quasi-legal: how the status of marijuana cultivation limits the assessment and mitigation of associated environmental degradation.*
- Discussant(s): Gabriela Valdivia, University of North Carolina - Chapel Hill
- 2176. PREM: Critical Penal Geographies I: Histories, Political Economies, and Epistemologies of the Carceral State (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Ted Rutland, Concordia University; Jennifer Ridgley, Carleton University; Judah Schept, Eastern Kentucky University - Richmond, KY
 CHAIR(S): Judah Schept, Eastern Kentucky University - Richmond, KY
8:00 Orisanmi Burton*, *Geographies of Freedom and Capture: The Green Haven Think Tank as Attica's Rebellious Afterlife.*
8:20 Jack Norton*, CUNY Graduate Center, *Financing the Carceral State: Public-Private Partnership in the Post-Keynesian Landscape.*
8:40 Ted Rutland*, Concordia University, *Policing Slavery's Afterlives: Anti-Blackness, Settler Colonialism, and the Making of the Penal State in Montréal.*
9:00 Lydia Jean Pelot-Hobbs*, CUNY Graduate Center, *The Plantation as a Beginning, Not an End: The Racial Capitalist Productions of the Louisiana Carceral State.*
 Discussant(s): Judah Schept, Eastern Kentucky University - Richmond, KY
- 2177. Modeling exposure to pollutants and associated health effects (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: Athens North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Eric M. Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Eric M. Delmelle, University of North Carolina at Charlotte
8:00 Xiangyu Jiang*; Eun-Hye Yoo, *Bringing together multiple sources of data for modeling spatio-temporal variability of particulate matter in New York, USA.*
8:20 Ying Liu*, Texas Tech University; Guofeng Cao, *Explore Geographic and Seasonal Variability of Weather Impact on PM2.5 Concentrations in the United States: A Spatial Synoptic Classification Approach.*
8:40 Insang Song*, Department of Geography, Seoul National University; Sun-Young Kim, Institute of Health and Environment, Seoul National University, *Estimation of Representative Areal Concentrations of Particulate Air Pollution in Seoul, Korea.*
9:00 Frank H Annie, M.A., MPA*, Florida State University, *Effect of Dioxin Based Exposure in Western Kanawha County, WV.*
- 2178. Hazards Risks and Disasters 1: Vulnerability Analysis (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Eric Tate, University of Iowa; Tim G. Frazier, University of Idaho
 CHAIR(S): Eric Tate, University of Iowa
8:00 Sanglim Yoo*, Ball State University, *Urban Heat Islands and heterogeneity of social vulnerability: in Indianapolis, IN.*
8:20 Keeley S Heise*, Oklahoma State University, *Toward a Deeper Understanding of the Vulnerability and Resilience of Two Counties in the Northern Great Plains.*
8:40 Oronde Drakes*, University of Iowa, *Participatory Driven Regional Hazard Assessment: The Guyana Experience.*

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- 9:00** Donovan Campbell*, University of the West Indies, *Vulnerability Of Jamaica's South Coast Fishing Communities To Climate Change.*
- 9:20** Brian Pompeii, PhD*, California Polytechnic State University, San Luis Obispo, *Local Knowledge of Socio-environmental Change and Community Vulnerability on Ocracoke Island, North Carolina, USA.*
- 2179. PQN: Queering Social Reproduction I (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Paul S. B. Jackson, University of Delaware; Sarah Stinard-Kiel, Temple University; Max Andrucki, Temple University
 CHAIR(S): Sarah Stinard-Kiel, Temple University
8:00 Paul S. B. Jackson*, University of Delaware, *Five Propositions to Queer Social Reproduction.*
8:20 Max J. Andrucki*, Temple University, *Queering Social Reproduction: How Queers Saved the City?.*
8:40 Cesare Di Felicianantonio*, Sapienza- Università di Roma, *Situating inclusion in the homonormative global city. Exploring the nexus between gay migration, homonormativity and HIV seropositivity.*
9:00 Simone West*, SUNY - Stony Brook, *Drag Terrorisms, Stank Spaces, and Christeene Vale's Politics of Filth.*
 Discussant(s): Sean H. Wang, Syracuse University
- 2180. Coding and App Development in Geography and GIS Education I (Sponsored by Geographic Information Science and Systems Specialty Group, Esri, Applied Geography Specialty Group, AAG Jobs and Careers Theme, Geography Education Specialty Group)**
Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): David DiBiase, Esri
 CHAIR(S): David DiBiase, Esri
8:00 James E. Detwiler, Sr. Lecturer*, Penn State University, *Fifteen Years of Developing GIS Developers: What Have We Learned?.*
8:20 Len Kne*, University of Minnesota; Mark B Lindberg, University of Minnesota, *The New GIS Seminar - Forget the papers, let's make apps.*
8:40 Vijay Lulla*, *Comparison of programming languages used for geoprocessing..*
9:00 Tony Giarrusso*, Georgia Institute of Technology, *It's Just Too Easy; Today's Perspective on Teaching Non-GIS Students How to Create Interactive Maps and Apps..*
9:20 David DiBiase*, Esri; Brendan O'Neill, Esri, *Do It Yourself GeoApps.*
- 2181. Urban transformation processes: The role of flagship architecture as urban generator 1- The conceptual dimension (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Nadia Alaily-Mattar, Munich University of Technology; Alain Thierstein, Munich University of Technology; Johannes Dreher, Technical University Munich
 CHAIR(S): Alain Thierstein, Munich University of Technology
8:00 Nadia Alaily-Mattar, Dr.*, Munich University of Technology; Alain Thierstein, Prof. Dr., Munich University of Technology (TUM); Johannes Dreher, Munich University of Technology (TUM), *Re-positioning cities through star architecture- How does it work?.*
8:20 Shawhin Roudbari*, University of Colorado - Boulder, CO, *The Global System of Architectural Recognition: Exposure and Distinction in International Design Awards.*
- 8:40** Jan Balke*, ILS - Research Institute for Regional and Urban Development / University of Münster (WWU), *Iconic Architecture in the 'Post Political City'. Insights from Hamburg's Elbe Philharmonic Hall.*
- 9:00** Jean-François Ruault, Ph.D*, Université Paris-Est Marne-la-Vallée, *Can monumental architecture drive urban development? A theoretical and consumption-based framework..*
 Discussant(s): Renee Tapp, Clark University
- 2182. Desiring Politics and the Politics of Desire 1: The Urban Ordinary (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Beyhan Farhadi, University of Toronto; David K. Seitz, University of Toronto
 CHAIR(S): David K. Seitz, University of Toronto
8:00 Beyhan Farhadi*, University of Toronto, *Desiring Mobility: Feminist Geographies, Urban Placemaking, and the Dangers of Safety.*
8:20 Luc Tripet*, Université De Neuchatel, *Networks of Cities as Politics of Desire.*
8:40 Leslie Kern*, Mount Allison University; Heather McLean*, University of Glasgow, *Desiring different urban futures: Taking everyday activism 'from below' seriously in gentrification research.*
9:00 Johnathon Walker*, CUNY - Graduate Center, *Towards a Geography of the Otherwise: Everyday Encounter, Queer Phenomenology, Intersubjective Renegotiation.*
 Discussant(s): Steve Pile
- 2183. Applied Sustainability Science: An Open Paradigm for Applied Geographers (Sponsored by Human Dimensions of Global Change Specialty Group, Applied Geography Specialty Group, Energy and Environment Specialty Group)**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Richard Shaker, Ryerson University
 CHAIR(S): Richard Shaker, Ryerson University
8:00 Siqi Song, B.E; B.Sc*, National University Of Singapore; Mi Diao, PhD, National University of Singapore; Chen-Chieh Feng, PhD, National University of Singapore, *Individual Transport Emissions and the Built Environment: A Structural Equation Modelling Approach.*
8:20 Elena Lioubimtseva*, Grand Valley State University, *Assessment of Human Vulnerability to Climate Change in the West Michigan Region.*
8:40 Richard Ross Shaker, Ph.D.*, Ryerson University, *The Spatial Distribution of Development in Europe and its Underlying Sustainability Correlations.*
9:00 Greg Rybarczyk*, University of Michigan-Flint, *Spatiality and food access: Measuring geographic access to ethnic restaurants and grocers.*
9:20 Manish A. Desai*, University of California, Berkeley; Jamesine V. Rogers, University of California, Berkeley; Kirk R. Smith, University of California, Berkeley, *Operationalizing Climate Debt with a Straightforward and Transparent Metric.*
- 2184. Small-Scale and Urban Mining I: The Shadow Circuits and Afterlives of Minerals (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**
Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Andrea Marston, University of California-Berkeley; Cynthia Morinville, University of Toronto
 CHAIR(S): Cynthia Morinville, University of Toronto
8:00 Fitrilailah Mokui*, The Australian National University, *Culture and Health Risks Perception: Silent Risks of Mercury in Bombana Artisanal Gold Mining, Eastern*

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- Indonesia.*
- 8:20** Andrea Marston*, University of California-Berkeley, *Bolivia's New Barbarians: Mining Cooperatives and the Plurinational State.*
- 8:40** Neil Nunn*, University of Toronto, *The leaky and colonial afterlives of mine waste in the Central Interior of British Columbia.*
- Discussant(s): Nancy Lee Peluso, University of California
- 2185. Fulfilling the promise of anarchist geographies I: praxis and the politics of everyday life (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
- Room:* Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)
- ORGANIZER(S): Simon Springer, University of Victoria; Anthony Ince, Cardiff University; Nathan L. Clough, University of Minnesota, Duluth
- CHAIR(S): Simon Springer, University of Victoria
- 8:00** Ophélie Electre Véron*, University College London, *Anarchist Geographies of Veganism: Towards an Everyday Praxis of Resistance.*
- 8:20** Nezihe Basak Ergin*, Giresun University, *From-and-beyond gender equality education.*
- 8:40** Robert Hlatky*, University of Victoria, *The Anarchist Movement in the Pacific Northwest: A Study of Anarchist Spaces and Projects.*
- 9:00** Erika Cudworth*, University of East London; Stephen Charles Hobden*, University of East London, *Anarchism's Posthuman Future.*
- 9:20** Alexandra Leigh Demshock*, Rutgers University, *Bidding on our island: autonomous organizing and Anarchist praxis in the "Failed State".*
- 2186. Geopolitical Representation, Culture, and Territoriality I (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)**
- Room:* Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)
- ORGANIZER(S): Kara Dempsey, Appalachian State University
- CHAIR(S): Kara Dempsey, Appalachian State University
- 8:00** Timothy Hall*, University of Winchester, *Illicit Networks and the Challenges to Geopolitical Imaginations.*
- 8:20** Mandy Hoggard*, Utah State University, *"Touched by Time": Estonian National Identity through Folklore and Song Festivals.*
- 8:40** Sean Carter, Dr*, University of Exeter; Tara Woodyer, Dr, University of Portsmouth; Matthew Rech, Dr, University of Exeter; Diana Martin, Dr, University of Portsmouth; Klaus Dodds, Prof, Royal Holloway, *Ludic Geopolitics: Cultures of play, cultures of war.*
- 9:00** Gareth E. John*, St. Cloud State University, Minnesota, *Everyday Border Geopolitics on the Northwest Angle.*
- 9:20** Jesse Quinn*, Syracuse University, *Myth, Image, Territory: Visual Geopolitics in the Republic of Georgia.*
- 2187. Applications of high-resolution spatial data in geomorphology and biogeography (Sponsored by Remote Sensing Specialty Group, Geomorphology Specialty Group)**
- Room:* Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)
- ORGANIZER(S): Adam Mathews, Oklahoma State University; James T. Dietrich, Dartmouth College
- CHAIR(S): Adam Mathews, Oklahoma State University
- 8:00** James T. Dietrich*, Dartmouth College; Jane B. Atha, Ph.D., Washington Department of Fish and Wildlife, *Detecting Fluvial Wood in Forested Watersheds Using LiDAR Data.*
- 8:20** Qiusheng Wu*, Binghamton University, *Automated delineation of karst sinkholes from LiDAR-derived digital elevation models.*
- 8:40** Patrick L. Lawrence*, University of Toledo, *Considering Potential Environmental Research Applications for an UAV Quadcopter along an Urban River.*
- 9:00** Christina Woehrle*, Southern Connecticut State University, *Drone Applications in Viticulture: A Case Study.*
- 9:20** Adam Mathews*, Oklahoma State University; Jennifer Jensen, Texas State University, *Estimating vineyard canopy LAI with a UAV-generated point cloud.*
- 2188. Sharing in/on sharing: socio-spatial, temporal and technological transitions 1 (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
- Room:* Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)
- ORGANIZER(S): Helen C. Jarvis, University of Newcastle Upon Tyne; Mike Crang, Durham University
- CHAIR(S): Helen C. Jarvis, University of Newcastle Upon Tyne
- 8:00** Donald McNeill*, Western Sydney University, *The city of idle capacity: venture capital and the monetization of San Francisco.*
- 8:20** Andrea Pollio*, Institute for Culture and Society, *Forefronts of diverse accumulations: the entrepreneurs of sharing.*
- 8:40** Lizzie Richardson*, University of Cambridge, *Dot London: Sharing Space and Capital Culture 2.0.*
- 9:00** Anthony Ince*, Cardiff University; Sarah Marie Hall, University of Manchester, *Sharing economies and crisis: ethics, politics and relationalities.*
- 9:20** Lauren B Wagner*, Maastricht University, *Dwelling as a common good: Sharing the burden of emptiness in a growing city.*

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2201. The Architecture of Capital 2: Imaginations

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Adam Kaasa, Royal College of Art; Pushpa Arabindoo, University College London
 CHAIR(S): Pushpa Arabindoo, University College London
 10:00 Mireille Roddier*, University of Michigan, *Toxic Utopia*.
 10:20 Kurt Kraler, BAS, Candidate for MArch*, 'De-Theming' *Las Vegas Architecture as Normalization of Neoliberal Processes*.
 10:40 Brent Sturlaugson*, University of Kentucky, *There and Elsewhere: Architecture and Urban Political Ecology*.
 11:00 Ash Lettow, AIA*, Workshop Architects, *The Prospect: Imagined Frontier to Measured Terrain through the Gateway Arch*.
 Discussant(s): Peggy Deamer, Yale University

2202. Higher Education Planning, Culture, and Outcomes (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Julie Loisel, Texas A&M University
 10:00 Xiaowan Dong*, The Department of Architecture&Urban Planning, Henan University of Urban Construction, *A comparison study of Chinese and United States campuses in terms of informal learning spaces planning and design*.
 10:20 Elisabete M P Cidre, PhD, DipHE, FHEA*, UCL Bartlett School of Planning, *Inclusiveness by Design in Built Environment Education*.
 10:40 Clare Holdsworth*, Keele University, *Innovation or Imitation in Higher Education: "Generic Distinctiveness" in English Higher Education*.
 11:00 Lori Barrow*, University of Wisconsin-Madison; Adena Rissman, PhD, University of Wisconsin-Madison; Volker Radeloff, PhD, University of Wisconsin-Madison, *Exploring Collaborative Research: Lessons learned from the Novel Ecosystems Integrative Graduate Education Research Traineeship (IGERT)*.
 11:20 Julie Loisel, PhD*, Texas A&M University; Wendy Jepson, PhD, Texas A&M University, *Creating a Common Culture of Evidence-Based Climate Change Science in Higher Education*.

2203. The economy of cities: 07 Planning for cities

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): John Miron, University of Toronto
 CHAIR(S): Peter V. Hall, Simon Fraser University
 10:00 George C.S. Lin, Prof.*, University of Hong Kong, *Hastened Urbanization as a Jumping Frog: Mega-events, spectacular urbanism, and the spatalization of state power in urbanizing China*.
 10:20 Sujata Shetty*, University of Toledo; Andreas Luescher, Bowling Green State University, *Looking Back at a Mid-century Vision for a Mid-western City*.
 10:40 Alex Pulsipher*, Independent Scholar, Knoxville Tennessee, *Secrecy and Urban Sprawl: The Hidden Workings of the Growth Machine*.
 11:00 Eran Razin*, Hebrew University, *The Rescaling of Planning: Lessons from Ontario (Canada) and Israel*.

2204. Sensing Practices: Reworking Experience across Entities, Environments, and Technologies, 2

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Jennifer Gabrys; Helen Pritchard, Goldsmiths, University of London
 CHAIR(S): Helen Pritchard, Goldsmiths, University of London
 10:00 Jennifer Mokos*, Vanderbilt University, *Exploring the Politics of Sensing Through Participatory Methods*.
 10:20 Marina Velez Vago*, University of Plymouth, *Sensing*

Through Things.

10:40 Kathleen Marie McDermott*, Rensselaer Polytechnic Institute, *The Critical Cyborg: Extended Sensory Capabilities and Identity Formation in the Age of Wearable Tech*.
 11:00 Diana N.M. Beljaars*, Cardiff University, *Geographies of Compulsive Bodies: Reimagining the nature of Tourette syndrome*.
 11:20 Javier Arbona*, UC Davis, *Memory/Cloud: a San Francisco Police Department Memorial*.

2205. Economic Geography VI - Crossing Spatial and Sectoral Borders: A 'Firm' Perspective (Sponsored by Economic Geography Specialty Group)

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): Dieter Franz Kogler, University College Dublin
 10:00 Inkwon Park, Professor, Department of Urban Administration, University of Seoul; Zhigao Liu, Dr., Institute of Geographical Science and Resource; Jung Won Sonn*, University College London, *Agglomeration Economy in Knowledge Production in Chinese Cities: An Analysis of Patent Records*.
 10:20 Diego Useche*, university of bordeaux; Francesco Lissoni, GREThA ? Université de Bordeaux, Pessac, France; Ernest Miguelez, GREThA ? Université de Bordeaux, Pessac, France, *The role of foreign inventors in Cross-border Merger & Acquisitions of high-tech companies*.
 10:40 Rikard Eriksson*, Umea University; Balazs Lengyel, Hungarian Academy of Sciences, *Co-worker networks and agglomeration externalities*.
 11:00 Andrea Ascani*, London School of Economics; Simona Iammarino, London School of Economics, *Multinational Enterprises, Regions and Structural Change*.
 11:20 Vito Amendolagine, Università di Pavia; Riccardo Crescenzi*, London School of Economics; Roberta Rabellotti, Università di Pavia, *Multinationals' entry mode, firm heterogeneity and institutional conditions*.

2206. Geographic Research for the 21st Century - A USGS Perspective (Sponsored by United States Geological Survey)

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Tamara Wilson, United States Geological Survey; Miguel Villarreal, U.S. Geological Survey
 CHAIR(S): Tamara Wilson, United States Geological Survey
 Panelists: Jonathan H. Smith, United States Geological Survey; Nathan Wood, United States Geological Survey; Cynthia Wallace, United States Geological Survey; Benjamin Sleeter, United States Geological Survey; Rachel Loehman, USGS; Thomas R. Loveland, United States Geological Survey

2207. Expanding STEM Across Campus Using GIS (Sponsored by Esri)

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Angela Lee, Esri; David J. Cowen, University Of South Carolina
 CHAIR(S): David J. Cowen, University Of South Carolina
 Introducer: David J. Cowen
 Discussant(s): Kelley A. Crews, University of Texas - Austin
 Panelists: Glathar Janine, Bucknell University; Steven M. Manson, University Of Minnesota; Daniel Warshawsky, University of Southern California; Werner Kuhn, UCSB; Steven Douglas Moore, Center for Spatial Studies; Cyril Wilson, University of Wisconsin-Eau Claire; Kimberley Britt Klinker, University of Richmond

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- 2208. Time and Urban Change II**
Room: *Golden Gate 8, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Monica Degen; Rob Shields, University of Alberta
 CHAIR(S): Rob Shields, University of Alberta
10:00 Rob Shields*, University of Alberta, *Time-Space and Topological Affect*.
10:20 Claudia Faraone, Architect, Urban Design MSc, Urban Studies PhD*, Venice School of Architecture IUAV (Italy), *Biography of a Reconstruction Process. L'Aquila's Post-Earthquake Temporalities*.
10:40 Michael Granzow, PhD Candidate*, University of Alberta, *Intersections of time and space in the making of urban agriculture*.
11:00 Kirstie Jamieson, Dr*, Edinburgh Napier University, *Festival Timescapes: The Entanglement of Transformative Topographies*.
- 2210. The Impact of Mapathons: Welcome to the AAG Mapathon (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: *Plaza B, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
- 2211. Teaching Civil Rights as a Geography Awareness Week Theme (Sponsored by Political Geography Specialty Group, Geography Education Specialty Group, Ethnic Geography Specialty Group)**
Room: *Continental 1, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Derek H. Alderman, University of Tennessee; Solange Isabel Munoz, University of Michigan; Joshua F. Inwood, University of Tennessee
 CHAIR(S): Derek H. Alderman, University of Tennessee
 Panelists: Caroline Nagel, University of South Carolina; Elizabeth Hines, University Of North Carolina - Wilmington; Larry Kleitches, University of Texas - San Antonio; John A. Harrington, Kansas State University; Janna R. Caspersen, University of Tennessee Department of Geography; Andy Mink, Mink'ED; Priscilla McCutcheon, University of Louisville
- 2212. Gamma Theta Upsilon (GTU): Engaging exceptional students in the Geography Honors Society**
Room: *Continental 2, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Lucius Hallett, IV, Western Michigan University; Karen D. Johnson-Webb, Bowling Green State University
 CHAIR(S): Lucius Hallett, IV, Western Michigan University
 Panelists: Graciela Sandoval, Texas State University; William A. Wetherholt, Kansas State University
- 2213. Uncertain futures and everyday hedging - Session 2 of 2 (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Continental 3, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Jamie Shinn, Texas A&M; Léonie S. Newhouse, Max Planck Institute MMG
 CHAIR(S): Léonie S. Newhouse, Max Planck Institute MMG
10:00 Hanna A. Rusczyk*, Durham University (UK), Department of Geography and Institute of Hazard, Risk and Resilience, *Everyday hedging against the future in urbanising Nepal*.
10:20 Hun Kim, Ph.D.*, University of California, Berkeley, *Hedging and Speculating Saigon's Urban Future*.
10:40 Jeff Popke*, East Carolina University, *To 'Catch a Crop': Everyday Hedging and the Calculative Agencies of Smallholder Farming in Jamaica*.
11:00 Hussein A. Amery, Dr*, Colorado School of Mines; Hussein A Amery, Ph.D., Colorado School of Mines, *Water Security in the Arab Gulf States: Threats and Opportunities*.
 Discussant(s): AbdouMaliq Simone
- 2215. The Dark Matter of the Urban: Forces, densities, velocities, affects, and more - PART II**
Room: *Continental 5, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Michele Lancione, University of Cambridge; Francisco Calafate-Faria
 CHAIR(S): Michele Lancione, University of Cambridge
10:00 Linda Lapina*, Roskilde University, *Dancing assemblage: summoning material and dematerialized presences through dance with a construction site*.
10:20 Francisco Calafate-Faria*, Goldsmiths, University of London, *Beyond the Skin of the City: Reading Surfaces, Screens, and Signs*.
10:40 Laura Kemmer*, University Hamburg, *Bonding. The emergence of new collectivities around an absent tram in Rio de Janeiro*.
11:00 Malcolm James*, University of Sussex, *Circuitries of Urban Culture: Sound Systems, Pirate Radio and YouTube music videos*.
 Discussant(s): Miriam Tedeschi, IUAV University
- 2216. EESG Plenary (Sponsored by Energy and Environment Specialty Group)**
Room: *Continental 6, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Jennifer Baka, London School of Economics
 CHAIR(S): Jennifer Baka, London School of Economics
10:00 Catherine Mithcell, University of Exeter
- 2217. Geographies of State Terror II: Political Ecologies of Terror**
Room: *Continental 7, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Vanessa Anne Massaro, Bucknell University; Emma Gaalaas Mullaney, Bucknell University
 CHAIR(S): Vanessa Anne Massaro, Bucknell University
10:00 Juanita Sundberg, PhD*, University of British Columbia; Julián Cardona, Independent journalist, *Homicide and Canicide: Ontologies of violence in Ciudad Juárez, Mexico, 2008-2012*.
10:20 Amory Ballantine*, Evergreen State College, *"Whiteness as Property": A Political Ecology of State Violence in the Port of Tacoma Nearshore/Tideflats*.
10:40 Anna G. Sveinsdóttir*, Department of Geography and the Environment, University of Denver, *Environmental governance, extractive industries and state violence in Guatemala*.
11:00 Emma Gaalaas Mullaney*, Bucknell University, *Farm Field, Battlefield: Drones, Occupation, and Agricultural Militarization in the Colonial Present*.
 Discussant(s): Vanessa Anne Massaro, Bucknell University
- 2218. Dendrochronology I: Dendroclimatology (Sponsored by Biogeography Specialty Group)**
Room: *Continental 8, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Trevis J. Matheus, Indiana University; Aquila Flower, Western Washington University
 CHAIR(S): Clay Tucker, Louisiana State University
10:00 Thomas Patterson*, UNC-Greensboro; R. Stockton Maxwell, Ph.D., Radford University; Grant L. Harley, Ph.D., University of Southern Mississippi; James Speer, Ph.D., Indiana State University; Savannah Collins, University of Tennessee, Knoxville; Madison Downe, University of Guelph; Benjamin Gannon, Colorado State University; Lan Ma, San Francisco State University; Chance Raso, Virginia Tech; Cody Russell, California State University, Northridge; Aaron Teets, University of Maine, *Climate-signal instability in Pinus rigida at the northern range limit, Acadia National Park, Maine*.
10:20 Karly Schmidt*, The University of North Carolina at Chapel Hill; Justin Maxwell, Indiana University, *A 325-Year Reconstruction of St. Joseph River*

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(Michigan) Streamflow Using Tree Rings.

10:40 Scotty Strachan*, Department of Geography, University of Nevada, Reno; Constance Millar, U.S. Forest Service, PSW Research Station; Franco Biondi, DendroLab, University of Nevada, Reno, *Opposing-Aspect Topographic Dendroclimatology in the Great Basin, USA.*

11:00 Clay Tucker*, Louisiana State University, *Dendrochronology Reveals Response of Coastal Pine Trees to Various Climate Parameters in Grand Bay National Estuarine Research Reserve, Mississippi, U.S.A.*

Discussant(s): Trevis J. Matheus, Indiana University

2219. Author-Meets-Critics: Jason W. Moore's Capitalism in the Web of Life (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Continental 9, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): John Finn, Christopher Newport University
 CHAIR(S): John Finn, Christopher Newport University
 Discussant(s): Salvatore Engel-DiMauro, SUNY New Paltz; Richard A. Walker, University of California-Berkeley
 Panelists: John Finn, Christopher Newport University; Kathleen McAfee, San Francisco State University; Rebecca Lave, Indiana University; Jason W. Moore

2220. Remote Sensing for Monitoring Vegetation Disturbance and Recovery (Sponsored by Remote Sensing Specialty Group)

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Rebecca L. Powell, University Of Denver
 CHAIR(S): Mingquan Chen, University of California-Santa Barbara
10:00 Yinan He*, University of North Carolina - Charlotte; Gang Chen, University of North Carolina - Charlotte, *Integrating spectral, spatial and temporal information to map long-term forest disease progression.*

10:20 Will Brewer*, University of New Mexico; Caitlin L Lippitt, PhD, University of New Mexico, *Assessing Drought in a Semi-Arid Woodland: A Multiple Endmember Spectral Mixture Analysis Approach.*

10:40 Nathan Lopez-Brody*, New Mexico State University; Michaela Buenemann, Associate Professor, New Mexico State University; Mara Weisenberger, Wildlife Biologist, U.S. Fish and Wildlife Service, San Andres N.W.R., *Spatio-temporal dynamics of woody plants and bighorn sheep in the San Andres Mountains, New Mexico, U.S.A.*

11:00 Jing Li*, China university of mining and technology, Beijing; Carl E Zipper, Virginia Polytechnic Institute and State University; Patricia Donovan, Virginia Polytechnic Institute and State University; Randolph H Wynne, Virginia Polytechnic Institute and State University; Adam Oliphant, Virginia Polytechnic Institute and State University, *Delineation of Surface Coal Mining and Reclamation History by Time-series Satellite Imagery.*

11:20 Mingquan Chen*, Department of Geography, University of California-Santa Barbara; Erin Wetherley, Department of Geography, University of California-Santa Barbara; Dar Roberts, Department of Geography, University of California-Santa Barbara; John Potapenko, Department of Geography, University of California-Santa Barbara, *Reconstructing Fire Severity and Post-Fire Recovery in a Southern California Watershed Using Hyperspectral Imagery and LiDAR.*

2221. Reflections on the geographies of fleshy, messy, contentious and contested bodies.

Room: Franciscan B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Lucy Jackson, University of Liverpool; Bethan Evans, University of Liverpool
 CHAIR(S): Bethan Evans, University of Liverpool

Introducer: Bethan Evans

Discussant(s): Lynda Johnston, University of Waikato
 Panelists: Lucy Jackson, University of Liverpool; Sarah Marie Hall, University of Manchester; Peter E. Hopkins, Newcastle University; Tracey Skelton, National University of Singapore; Jennifer Turner, University of Leicester; Junjia Ye, Massey University; Petra L. Doan, Florida State University; Rachel Colls, Durham University

2223. Chairs' Symposium II: Social Media in Department Life: Strategies and Examples (Sponsored by Geography Faculty Development Alliance (GFDA), Enhancing Departments and Graduate Education project (EDGE))

Room: Franciscan D, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Kenneth E. Foote, University of Connecticut; Francis Koti, University of North Alabama
 CHAIR(S): Francis Koti, University of North Alabama
 Discussant(s): Paul N. McDaniel, Kennesaw State University; Kenneth E. Foote, University of Connecticut; Alberto Giordano, Texas State University; Grant Saff, Hofstra University

2224. Geographies of DJ Culture

Room: Imperial A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Anna Gavanas, Linköping University
 CHAIR(S): Tobias C. Van Veen, Université de Montreal
 Introducer: Anna Gavanas
 Discussant(s): Tobias C. Van Veen, Université de Montreal; Severin Guillard, Université Paris Est
 Panelists: Tami Gadir, University of Oslo; Miki Annette Beavis, University College London; Bernardo Attias, California State University - Northridge; Rupert Till, University of Huddersfield

2225. Mobile Geographies of Learning

Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Jennie Germann Molz, College of the Holy Cross; Zsuzsa Millei, University of Tampere
 CHAIR(S): Jennie Germann Molz, College of the Holy Cross
10:00 Susan Moore*, University College London, *The pedagogical imperative of capturing the tension between mobile knowledge and situated learning in International Planning Higher Education.*
10:20 Catherine Waite*, Loughborough University; Sarah Mills, Loughborough University, *Learning to 'make the world a better place': Geographies of Informal Education and the UK's National Citizen Service.*
10:40 Kellee Caton*, Thompson Rivers University, *"The World Is Your Campus": Student Subjectivities on the Global Stage.*
11:00 Jennie Germann Molz*, College of the Holy Cross, *Learning to Feel Global: Exploring the Emotional Geographies of Worldschooled.*
 Discussant(s): Zsuzsa Millei, University of Tampere

2226. Geospatial Technologies and Geography Education in a Changing World (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group)

Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Osvaldo A. Muniz, Texas State University, San Marcos
 CHAIR(S): Osvaldo A. Muniz, Texas State University, San Marcos
 Introducer: Osvaldo A. Muniz
 Panelists: Ali Demirci, Fatih University; Injeong Jo, Texas State University; Joseph J. Kerski, Esri; Joop Van Der Schee, VU University Amsterdam

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- 2227. Career Mentoring B (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Mark Revell, American Association of Geographers
 Discussant(s): Gaurav Sinha, Ohio University; Sarah Battersby, Tableau Software; Julie Urbanik; Carmen Brysch, Auburn University; Candice Luebbing, American Association of Geographers; Michael R. Ratcliffe, U.S. Bureau Of the Census; Pablo Fuentenebro, United Nations Environment Programme (UNEP); Jimmy Dao, City of Brea
- 2228. Clean Energy Management, Carbon Emission Planning**
Room: *Union Square 1, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Aaron L. Strong, Stanford University
 10:00 Yuan Xu, PhD*, The Chinese University of Hong Kong, *Next-Generation Environmental Enforcement Strategies For Next-Generation Compliance Monitoring Technologies.*
 10:20 Gaoxiang Gu*, East China Normal University, *A simulation of global economic growth and carbon emission governance under carbon taxes.*
 10:40 Aaron L. Strong*, Stanford University, *Carbon of Convenience: The Politics of Carbon Offsets in California.*
- 2229. Oil and Citizenship: Rights, Identity, and Environment in North and South America (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Energy and Environment Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Flora Lu, UC Santa Cruz
 CHAIR(S): Gabriela Valdivia, University of North Carolina - Chapel Hill
 10:00 Néstor Leonardo Silva*, Stanford University, *Using Capital: The Oil Industry, Labor, and the Environment in the Colombian Llanos.*
 10:20 Flora Lu*, UC Santa Cruz, *"Ni tienen cédula": Peoples in Voluntary Isolation, Citizenship, and Contested Land Use in Ecuadorian Amazonia.*
 10:40 Angus Lyall*, UNC-Chapel Hill, *Political Infrastructures: Articulations of State Power, Urbanization, and Patriarchy on the Ecuadorian Oil Frontier.*
 11:00 Flora Lu, PhD, UC Santa Cruz; Sherine Ebadi*, *Refined Reflections: Latino Experiences of Environmental Injustice in North Richmond, CA.*
 11:20 Gabriela Valdivia, Geography Department, UNC Chapel Hill; Gabriela Valdivia*, University of North Carolina - Chapel Hill, *Refining oil-democracy: Territories of petro-citizenship and The Revolucion Ciudadana in Esmeraldas, Ecuador.*
- 2230. Historical and Contemporary Topics in Military Geography II (Sponsored by Military Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Andrew Lohman
 CHAIR(S): Andrew Lohman
 10:00 Jon C. Malinowski*, U.S. Military Academy, *Seeing the Early West Point Landscape.*
 10:20 Francis A. Galgano*, Villanova University; Francis A. Galgano, Ph.D., Villanova University, *An Environmental Security Index.*
 10:40 Mark Read, PhD*, United States Military Academy, *Urban Insurgency: Geographic Perspectives on Guerilla Warfare in Developing Cities.*
 11:00 Wiley C. Thompson, PhD*, West Point, *A Geographic Approach to Hazards and Non-traditional Security Threats in the Pacific Region.*
- 2231. Tourism and Sense of Place (II) (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Patrick Brouder, Brock University
 CHAIR(S): Laine Chanteloup, Laboratoire edytem
 10:00 Ilia Alvarado Sizzo, Dr.*, Universidad Nacional Autonoma De Mexico, *Territorial scopes of religious tourism. The case of Izamal, Yucatan, Mexico.*
 10:20 Dongoh Joo, M.S.*, Texas A&M University; Kyle M. Woosnam, Ph.D., Texas A&M University; C. Scott Shafer, Ph.D., Texas A&M University; David Scott, Ph.D., Texas A&M University; Soyoung An, M.S., Texas A&M University, *Considering Tobler's First Law Of Geography: The Relationship Between Distance Traveled And Tourists' Emotional Closeness With Residents Of Three Texas Destinations.*
 10:40 Samuel Smith*, University of Colorado, Boulder, *Making Critical History Visible: Narrating Western History in Colorado Museums and Heritage Tours.*
 11:00 Laine Chanteloup*, Laboratoire edytem, *Wildlife, sense of place and the construction of mountain landscape : perspectives from nature-based tourism.*
- 2232. Political Ecologies of Water in the West 2 (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Alida Cantor, Clark University; Joshua Cousins, University of Michigan
 CHAIR(S): Alida Cantor, Clark University
 10:00 Sayd Priscilla Randle*, Yale University, *Showers-to-flowers-to-aquifers: The messy technopolitics of LA's home greywater boom.*
 10:20 Nicole L Lawson, MA, PhD Candidate*, UCLA, *Teaching the Watershed: Cultivating Urban Sense of Place Among Minority Youth.*
 10:40 Caleb Scoville*, University of California - Berkeley; Razvan Amironesei, University of California - San Diego, *The Constitution of Ourselves as (Bio)Political Subjects of Water: A Case Study in California's Groundwater Management.*
 11:00 Cory Higby Copeland*, UC Davis Geography Graduate Group, *The Political Ecology of Small Things: Residential Irrigation in Yolo County, California.*
 11:20 Joshua Cousins*, University of Michigan, *Governing Flow: Overcoming divergent perspectives of stormwater in Los Angeles.*
- 2233. Population Health (Sponsored by Population Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Seth E. Spielman, University of Colorado
 CHAIR(S): Nathaniel Bell, University of South Carolina
 10:00 Nathaniel Bell, PhD*, University of South Carolina, *Reliability of the American Community Survey (ACS) for monitoring social determinants of injury risk: a comprehensive assessment of 49 socioeconomic estimates derived from the 2005 - 2013 annual and multi-year data cycles.*
 10:20 Lene Tølbøll, Associate professor, PhD*, Department of Sociology and Social Work, Aalborg University, Denmark, *Mapping Denmark - the use of administrative defined areas in demographic and health analyses..*
 10:40 Kristine Witkowski, University of Michigan; Hui Xu, University of Michigan; Shannon J. Brines*, University of Michigan, *Evaluating Disclosure Risk: An analysis of varying interpolated, scaled, contextual and sex-age-race data.*
 11:00 Kristian Larsen, PhD*, The Hospital for Sick Children; Teresa To, PhD, The Hospital for Sick Children; Robert Mann, PhD, Centre for Addiction and Mental Health;

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Angela Boak, MA, Centre for Addiction and Mental Health; Hayley Hamilton, PhD, Centre for Addiction and Mental Health; Hyacinth Irving, MA, Centre for Global Health Research, St. Michael's Hospital; Guy Faulkner, PhD, University of British Columbia, *School level prevalence of smoking and binge drinking: Does the school neighborhood play a role in health risk behaviour?*.

- 11:20** Zhixin Feng*, Centre for Research on Ageing, School of Social Sciences, Faculty of Social and Human Sciences, University of Southampton; Athina Vlachantoni, Centre for Research on Ageing and ESRC Centre for Population Change, School of Social Sciences, Faculty of Social and Human Sciences, University of Southampton; Jane Falkingham, ESRC Centre for Population Change and Centre for Research on Ageing, School of Social Sciences, Faculty of Social and Human Sciences, University of Southampton; Maria Evandrou, Centre for Research on Ageing and ESRC Centre for Population Change, School of Social Sciences, Faculty of Social and Human Sciences, University of Southampton, *Ethnic differentials in health: the additional effect of ethnic density.*

2234. Digital Deambulation: Drone Media, Maps 4.0 and other Fabrics of Contemporary Locative Media Practices (Sponsored by Cyberinfrastructure Specialty Group, Cartography Specialty Group, Communication Geography Specialty Group)

Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Tristan Thielmann, University of Siegen
CHAIR(S): Tristan Thielmann, University of Siegen
Introducer: Tristan Thielmann

- 10:05** Hendrik Bender*, University of Siegen, *Drone Media: Navigation and operative imagery of flying cameras.*
10:25 Simon Hirsbrunner*, University of Siegen, *Geo-visualities in motion: flood maps in the context of climate change futures.*
10:45 Tristan Thielmann*, University of Siegen, *Location-based Photography: A Historical Ethnography of Augmented Reality Navigation Devices.*
Discussant(s): Anna Lisa Ramella, Universität Siegen

2237. Understanding (peri-)urban China: A quantitative approach (Sponsored by China Specialty Group, Rural Geography Specialty Group, Urban Geography Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Yi Li, Nanjing University; Zhigang Li
CHAIR(S): Yang Xiao

- 10:00** Yang Xiao*, Tongji University; zheng wang, University College of London, *How street layout is associated with social equity - An empirical study of Shanghai.*
10:14 Min Zhang*, nanjing university; xiang zhang, nanjing university, *Transformation of physical bookstores: social construction of urban cultural spaces in China.*
10:28 Yuan YUAN*, School of Geography Sciences and Planning, Sun Yat-Sen University, *The spatial differentiation and driving forces of poverty between central city and outer suburb in China.*
10:42 Xiang Zhang*, Nanjing University & University of California, Berkeley; Yang Ju, University of California, Berkeley; Jian-gang Xu, Nanjing University, *What are the people really care about? A case for avoiding NIMBY risks of waste transfer stations in Nanjing, China.*
10:56 Hongsheng Chen*, School of Architecture, Southeast University; Zhigang Li, School of Geography and Planning, Sun Yat-sen University; Xingping Wang, School of Architecture, Southeast University, *Study on the social integration and family relocation decision of China's migrants: A case study of Shanghai.*
11:10 Wan Li*, East China Normal University; Bindong Sun,

East China Normal University, *City Size Distribution and Economic Growth from the perspective of Monocentric and Polycentric.*

- 11:24** Rong Wu*, *A study on the sociospatial differentiation of new migrants in the cities of China ??In case of GuangZhou.*

2238. New Records of Paleoenvironmental Change II (Sponsored by Paleoenvironmental Change Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Matthew T. Kerr, The University of Tennessee; Anna Agosta G' meiner, McGill University
CHAIR(S): Anna Agosta G' meiner, McGill University
Introducer: Matthew T. Kerr

- 10:00** Karuna Paudel*, Saint Cloud State University; Mikhail Blinnikov, St Cloud State University, *Pleistocene-Holocene variation of vegetation patterns in the Upper Great lakes region.*
10:20 Marcus J Thomson*, UCLA; Glen M MacDonald, UCLA, *Climate, Corn and Collapse? A Paleoclimate Model and Proxy Based Analysis of Native American Agricultural Decline in Prehistoric Utah.*
10:40 Beomjin Hwang*, KyungHee University, *Paleoclimate change from climate models and pollen analysis.*
11:00 Leonid Vyazov*, Kazan State University, Russia; Elena Ponomarenko, Ottawa University; Ekaterina Ershova, Moscow State University, *Multi-proxy analysis of human-vegetation interactions in the forest-steppe transition zone.*
11:20 Lixin Wang*, University of Georgia; George Brook, University of Georgia, *Dynamics of Congo Air Boundary over the last 4000 years from high resolution stalagmite records in northern Namibia.*

2239. Changing Cities Across the Globe

Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Josefina Gómez-Mendoza, Universidad Autónoma de Madrid

- 10:00** Ruiho Han*, University of Maryland - College Park; Huhua Cao, University of Ottawa, *Urban Transformation of Beijing: Patterns and Process of Landscape Change.*
10:20 Michael J Short*, The Bartlett School of Planning, University College London, *Tall buildings and the struggle for London's skyline.*
10:40 Chunhong Zhao*, Texas State University - San Marcos - San Marcos, TX; Jennifer L.R. Jensen, Texas State University - San Marcos, TX, *A comparison of the urban expansions and their influencing factors of two border cities: Laredo in the US and Nuevo Laredo in Mexico.*
11:00 Savannah Cooley*, Clark University; Joshua McCarty, Urban3, *The Era of GeoAccounting: predicting land value per acre based on landuse patterns and network connectivity in Lafayette, Louisiana.*
11:20 Josefina Gómez-Mendoza, Professor*, Universidad Autónoma de Madrid, *City Front Views an Heritage.*

2240. Home: Life on the Margins of Home II: Constructions of Home (Sponsored by Cultural Geography Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Eric Goldfischer, University of Minnesota - Minneapolis; Jessie Speer
CHAIR(S): Jessie Speer

- 10:00** Bisola Falola*, The University of Texas-Austin, *"I Don't Think I'm From Here": How Constructions of Home Shift Young People's Sense of Identity and Aspirations.*
10:20 Jeff Rose, Ph.D.*, University of Utah, *Home as assemblage: Making place through homelessness in public nature.*
10:40 Denise Goerisch*, University of Wisconsin, *A Dorm Room*

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of One's Own: Social Marginalization in University Residence Halls.

- 11:00** AFM Ashrafal Alam*, Macquarie University; Andrew McGregor, Macquarie University; Donna Houston, Macquarie University, *Marginality revisited: human-nature relations at home in urban transitional space.*
Discussant(s): Geraldine J. Pratt, University Of British Columbia

2241. Remaking the global economy II: actors and dynamics, part 1 (Sponsored by Economic Geography Specialty Group)

Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Godfrey Yeung; Karen Lai, National University of Singapore
CHAIR(S): Godfrey Yeung
Introducer: Godfrey Yeung
10:20 Kurtulus Gemici, National University of Singapore; Karen P.Y. Lai*, National University of Singapore, *Investment banking in global financial networks: A study of M&A and IPO activities.*
10:40 Aidan Marc Wong*, National University Of Singapore, *Keeping The Gears Moving: Exploring the Significance of Logistics Provisions in the Global Economy.*
11:00 Andrew Wood*, University of Kentucky; Nicholas Phelps, University College London, *Between Capital and Community: The Role of the Location Broker in Shaping Development.*
11:20 Shamel Azmeh*, London School of Economics and Political Science (LSE), *Toward a Political Conceptualisation of Global Production Networks: The Apparel GPN as a Cross-Country Political Alliance.*

2242. International Perspectives on the Geography Curriculum A

Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Geography Education; Michael N. Solem, American Association of Geographers
CHAIR(S): Michael N. Solem, American Association of Geographers
10:00 Yushan Duan*, East China Normal University, *The Feasibility Research of Bringing Fundamentals of Earth Science into Middle School Geography Curriculum of Mainland China.*
10:20 Inga Gryl*, University of Duisburg-Essen; Thomas Jekel, University of Salzburg; Stephan Schmitz, University of Duisburg-Essen; Claudia Scharf, University of Duisburg-Essen, *Brand spanking new? Encouraging innovativeness through primary geography education.*
10:40 Derek Turner, Ph.D.*, University of British Columbia; Arthur Green, Ph.D., University of British Columbia; Loch Brown, Ph.D., University of British Columbia, *Where in the World is Geographic Education? An examination of the spaces and places of learning..*
11:00 Jeremy He, Nanyang Technological University; Bing Sheng Wu*, Nanyang Technological University, *Pro-Environmental Behaviors in Secondary Schools: A Comparison of Methods in Environmental Education between Singapore and Taiwan.*
11:20 Ines M. Miyares, PhD*, Hunter College, *Whose Learning Outcomes? Linking Geographic Content to K-12 Scope and Sequence.*

2243. Toward a Geographical Software Studies 1: Political economy and infrastructures (Sponsored by Geographic Information Science and Systems Specialty Group, Political Geography Specialty Group, Cyberinfrastructure Specialty Group)

Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Ryan Burns, Temple University; Nick Lally, University of Wisconsin - Madison
CHAIR(S): Nick Lally, University of Wisconsin - Madison
10:00 Laura Beltz Imaoka*, University of California, Irvine, *The Immaterial Value of Proprietary Software: Platforming ArcGIS.*
10:20 Ashwin Jacob Mathew*, University of California,

Berkeley/Packet Clearing House, *Protocol as a Fieldsite.*

- 10:40** Till Straube*, Goethe University Frankfurt, *Seeing Like a Stack.*
11:00 Will Payne*, University of California - Berkeley, *What's in a (Neighborhood) Name? Location-Based Services and Contested Delineations of Place.*
Discussant(s): James Thatcher, University of Washington - Tacoma

2244. Phenological Research in North America (Sponsored by Climate Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Mark D. Schwartz, University Of Wisconsin-Milwaukee
CHAIR(S): Mark D. Schwartz, University Of Wisconsin-Milwaukee
10:00 Alison Donnelly*, Department of Geography, University of Wisconsin - Milwaukee; Rong Yu, Fulton Schools of Engineering, Arizona State University, AZ 85212, USA; Amelia Caffarra, ITK, Cap Alpha, Clapiers, France; Jonathan Hanes, Department of Geography, University of Wisconsin-Milwaukee; Liang Liang, Department of Geography, University of Kentucky; Mark Schwartz, Department of Geography, University of Wisconsin-Milwaukee, *The duration of spring phenophases vary among species in response to chilling and forcing in a mixed forest community.*
10:20 Liang Liang*, University of Kentucky, *Developing a Spatially-Explicit Phenological Model Using Common Garden Observations.*
10:40 Lingling Liu*, Geospatial Sciences Center of Excellence (GSCE), South Dakota State University; Xiaoyang Zhang, Geospatial Sciences Center of Excellence (GSCE), South Dakota State University, *Long-term Changes of Fall Foliage Phases and their Climate Impacts in North America from 1982 to 2014.*
11:00 Mark D. Schwartz*, University of Wisconsin-Milwaukee, *Integrating Multiple Measures of Spring and Autumn Phenology.*
Discussant(s): Mark D. Schwartz, University Of Wisconsin-Milwaukee

2245. Spatial Modeling of Human-Environment Interaction in the Anthropocene (2)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Jürgen Scheffran, Institute of Geography, University of Hamburg; Peter Michael Link, University of Hamburg; Jasmin S. A. Link, University of Hamburg
CHAIR(S): Peter Michael Link, University of Hamburg
10:00 Jürgen Scheffran*, Institute of Geography, University of Hamburg; Peter Michael Link, Institute of Geography, University of Hamburg; Kesheng Shu, University of Hamburg; Jinxi Yang, University of Hamburg, *Rural-urban interactions in energy landscapes of Germany and China.*
10:20 Chuanrong Zhang*, University of Connecticut, Department of Geography & CESE; Weidong Li, University of Connecticut, Department of Geography & CESE, *Modeling Land Use/Cover Changes using a Bayesian Markov Chain approach.*
10:40 Yutian Liang*, Sun Yat-sen University; lulun liu, Sun Yat-sen University; lin liu, Sun Yat-sen University; University of Cincinnati, *The Research Frame of Spatial Decision-Making Process of Enterprise Migration Based On Agent-Based Modeling.*
11:00 Oh Seok Kim*, Korea Environment Institute; SoEun Ahn, Korea Environment Institute; Kee Whan Kim, Department of Applied Statistics, Korea University; Jeong Ho Yoon, Korea Environment Institute, *Development of Integrated Land-Change Model to Support Climate Change Policy.*

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- 11:20** Jake Nelson*, Arizona State University; Tony H. Grubestic, Ph.D., Arizona State University, *Spatial Modeling Approaches for Oil Spill Impact Calculations.*
- 2246. Sex and the City: Reactionism, Resistance and Revolt IV - Navigating Risk and Violence (Sponsored by Sexuality and Space Specialty Group)**
Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Emily Cooper, Northumbria University; Clarissa Smith, University of Sunderland
 CHAIR(S): Paul J. Maginn, University of Western Australia
10:00 Joanne Bowring*, Liverpool John Moores University, *An exploration of the experiences of those working in the UK adult film industry.*
10:20 Jill McCracken, PhD*, University of South Florida St. Petersburg, *To Name is to Resist: Bridging Reactionism to Decrease Violence in the Sex Industry.*
10:40 Jennifer McGibbon*, University of Georgia, *Anti-Trafficking and the Hyper-Criminalization of Sex Workers.*
11:00 Christopher Thomas*, The Graduate Center, CUNY, *Testing Broken Windows: The Effects of Sex Work Legalization on Local Crime Risks.*
 Discussant(s): Paul J. Maginn, University of Western Australia
- 2247. Migration as Adaptation in Contemporary Asia (Sponsored by Population Specialty Group)**
Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Richard Black, SOAS, University of London; Ceri Oeppen, University of Sussex
 CHAIR(S): Jamie Michelle Goodwin-White, UCLA
10:00 Soumyadeep Batterjee, ICIMOD, Nepal and University of Sussex; Richard Black*, SOAS, University of London; Suman Bisht, ICIMOD, Nepal; Dominic Kniveton, University of Sussex, *Does financial remittance build household level adaptive capacity? Case studies of the flood affected villages of Assam and drought affected villages of Yunnan.*
10:20 Maryann Bylander, PhD*, Lewis & Clark College, *Migration as Adaptation: Lessons from the Cambodian Context.*
10:40 Elizabeth Allison*, California Institute of Integral Studies, *Sense of place and rural-urban migration in Bhutan: Place, mobility, and human-wildlife conflict.*
11:00 Subarna Chatterjee*, Graduate Student, Kansas State University; Bimal Kanti Paul, Professor, Kansas State University, *Migration as a response to climate change. A cluster analysis of internal migration in Bangladesh.*
11:20 Ceri Oeppen*, University of Sussex, *"Stop deportation to Afghanistan" says Afghan minister: how migration management affects transnational politics.*
- 2248. R.S. Tarr Student Paper Competition (Sponsored by Cryosphere Specialty Group)**
Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)
 ORGANIZER(S): Vena W. Chu, UCLA
 CHAIR(S): Vena W. Chu, UCLA
10:00 Yang Ju*, Texas A&M University, *Fractional Snow Cover Mapping Through Polytropic Vector Analysis of MODIS Spectral Reflectance.*
10:10 Hana M. Khan*, University of California, Los Angeles; Marilyn N. Raphael, PhD, University of California, Los Angeles, *Examining the Influence of ENSO on Antarctic sea ice.*
10:20 Jason M. Ward*, UCLA; Marilyn N. Raphael, Ph.D., University of California, Los Angeles, *Monthly Variability and Inter-annual Trend Analysis For PSSM-SI Produced Ross Sea Polynya Area Time Series.*
10:30 Nash Brendon Oliver*, University of Colorado Denver;
- Frederick B Chambers, Ph.D., University of Colorado Denver, *Preliminary Findings of Climate Forcings on Conness Glacier, Sierra Nevada, California.*
- 2249. Geographies of Media VI: Exploring the Geographies of Digital Film Practice as Praxis Performance and Product I (Sponsored by Communication Geography Specialty Group)**
Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Jessica Jacobs, Queen Mary University of London
 CHAIR(S): Gemma Sou
10:00 Sara Penrhyn Jones, Research Fellow*, Bath Spa University, *"It must be interesting to travel around with a camera, but is it really research": a filmmaker's battle with the academy.*
10:20 Katrina Myrvang Brown*, James Hutton Institute; Petra Lackova, James Hutton Institute; Esther Banks, former James Hutton Institute, *Enhancing video methods for researching practice: taking better account of non-human agency.*
10:40 Sebastián León Giraldo*, Universidad De Los Andes, *'Yuri': Toward a Participatory Video Framework for Working with Historically Marginalized and Excluded Populations in Colombia.*
11:00 Jessica Jacobs*, Queen Mary University of London, *Performing and publishing film - the ineffable text.*
- 2250. Developmentalism transformed (2): South Korea's social development and international status (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Hyeseon Jeong, Wright State University; Youjeong Oh, University of Texas - Austin
 CHAIR(S): Hyeseon Jeong, Wright State University
10:00 JESOOK SONG, PhD*, University of Toronto, *The Social as Progress: Discourses on Social Development and Welfare in South Korea.*
10:20 Mun Young Cho*, Department of Cultural Anthropology, Yonsei University, *Fever of building community in mainland China and South Korea.*
10:40 Soyeun Kim*, Sogang University, Sogang Institute for East Asian Studies, *Tracing the roots and domestic sources of Korea's ODA: aid as a cold war statecraft for a middle income country.*
11:00 Hyeseon Jeong*, Wright State University, *Foreign aid and the hegemony of development, knowledge and international organizations.*
 Discussant(s): Hyun Bang Shin, London School of Economics and Political Science
- 2251. Mega Event Planning for Sustainable Legacies**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Mark I. Wilson, Michigan State University; Christopher Gaffney, University of Zurich
 CHAIR(S): Christopher Gaffney, University of Zurich
 Introducer: Christopher Gaffney
10:12 Anna Casaglia*, University of Eastern Finland, *Territories of Struggle. Urban Social Movements Opposing Mega-Events in Northern Italy.*
10:32 Rafael Henrique Moraes Pereira*, University of Oxford, *Mega-events, transport legacy and the redistribution of employment accessibility.*
10:52 John Rennie Short*, University Of Maryland Baltimore County, *Hosting The Summer Olympics; Time for A Permanent Home.*
11:12 Mark I. Wilson*, Michigan State University, *The Mindset of the Serial Bidder.*

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- 2252. H. Jesse Walker and Coastal Geography 2 (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)**
Room: *Mason B, Hilton Hotel, 6th Floor (Paper Session)*
ORGANIZER(S): Phillip P. Schmutz, University of West Florida; Peter Tereszkiwicz
CHAIR(S): Phillip P. Schmutz, University of West Florida
10:00 James Tait*, Southern Connecticut State University, *Wave Energy Asymmetry and Beach Erosion on a Fetch-Limited Shoreline.*
10:20 Rosana Grafals-Soto*, University of Puerto Rico, *Understanding the balance between physical and human characteristics of touristic beaches in the Caribbean.*
10:40 Maria Caffrey*, University of Colorado Boulder; Leanne Lestak, Institute of Arctic and Alpine Research; William Manley, Institute of Arctic and Alpine Research; Rebecca Beavers, National Park Service, *Assessing Vulnerability to Sea Level Rise and Storm Surge in 118 National Park Service Units.*
11:00 Caroline Rae Narron*, University of North Carolina Wilmington; Eman Ghoneim, Associate Professor of Geography, University of North Carolina Wilmington; Lynn Leonard, Department Chair, Professor of Geology, University of North Carolina Wilmington; Sabah Aljenaid, Associate Professor, Arabian Gulf University; Zein El-Abidin Rizk, Dean, Ajman University; Rashid Mohammed Said Alshih, Oceanographic Specialist, United Arab Emirates Ministry of Environment & Water; Yvonne Marsan, Laboratories Manager, University of North Carolina Wilmington; Meshgan M. Al-Awar, Director of the Research & Studies Center, Dubai Police Academy; Khalid A. Al-Bloushi, Department Chair, Geology Department, United Arab Emirates University, *Assessing the Impact of Climate Change on Temporal Variations in Coastal Wetlands in the U.A.E..*
11:20 Qiangdong Guo*; Ruiliang Pu, *The Coastline Change detection in Tampa Bay, Florida, USA during the last 30 Years Using Multitemporal Remote Sensing Images.*
- 2253. Eurasian Themes II: Local Research, Global Processes: Cracking Scalar Habits (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, Asian Geography Specialty Group)**
Room: *Powell Room A, Hilton Hotel, 6th Floor (Paper Session)*
ORGANIZER(S): Jeremy Tasch, Towson University; Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research
CHAIR(S): Jeremy Tasch, Towson University
10:00 Richard Boruta*, Penn State University, *Mapping Czech Ancestry in the United States.*
10:20 Sanan Moradi*, University of Oregon, *Nuclear Ideology: Internal, Regional and Global in Iran's Nuclear Program.*
10:40 David Sichinava*, Caucasus Research Resource Center - Georgia, Tbilisi State University; Joseph Salukvadze, Tbilisi State University, *Housing inequalities and migrant remittances in the capital cities of the post-Soviet Eurasia.*
11:00 Maria Ilyushkina*, Ural Federal University; Alexander Burnasov, Ph.D.*, Ural Federal University; Anatoly Stepanov, Ph.D.*, Ural Federal University; Zoya Trifonova, Chuvash State University, *The Formation of Titanium Cluster in Russia in the Conditions of World Economy Turbulence.*
11:20 Daba Tsyban-Dorzhiovich Zhamyanov*, Baikal Institute of Nature Management SB RAS; Anna Semenovna Mikheeva, Dr., Baikal Institute of Nature Management of the Siberian Branch of the Russian Academy of Sciences; Valentin Sergeevich Batomunkuev, Dr., Baikal Institute of Nature Management of the Siberian Branch of the Russian Academy of Sciences (BINM SB RAS), *The problems of improvement of water management systems in Russia and Mongolia (on example of the transboundary Selenga river basin).*
- 2254. Spatiotemporal Symposium: Spatial Strategic Management of Structure and Agency (Sponsored by Spatial Analysis and Modeling Specialty Group)**
Room: *Powell Room B, Hilton Hotel, 6th Floor (Paper Session)*
ORGANIZER(S): Stephen Costello Lowe, George Mason University
CHAIR(S): Stephen Costello Lowe, George Mason University
10:00 Stephen Costello Lowe*, George Mason University, *Spatiality of Strategy in Institutions.*
10:20 Daniel E. Esser*, American University, School of International Service, *Ending area studies' eternal crisis? Existential phenomenology, neo-pragmatism, and inductive theory development.*
10:40 Son Edworthy, BCD*, University of Calgary; Erin McFarlane, BSW, RSW, University of Calgary; Philip McCutcheon, BA, University of Calgary, *Social Movements and Spatialities of Forming Networks Across Difference: a mixed methods case study.*
11:00 Stefanie Alke Huertgen*, *Labour as a transnational actor, and labour's national diversity as a systematic frame of contemporary competitive transnationality.*
Discussant(s): Kwesi Daniels
- 2255. Geographies of health and development in Africa 2: Development, Urban Environment and Health (Sponsored by Africa Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)*
ORGANIZER(S): Vincent Zubedaar Kuire, Queen's University
CHAIR(S): Vincent Zubedaar Kuire, Queen's University
10:00 Donna A. Hartz, PhD*, Arizona State University, *Uasin Gishu County Kenya: Urbanization, Air Quality and Health Challenges.*
10:20 Corinna Keeler*, University of North Carolina - Chapel Hill, *The Urban Built Environment and Malaria Vaccine Efficacy in Lilongwe, Malawi.*
10:40 Adobea Yaa Owusu, PhD MPH*, ISSER, University of Ghana, Legon; Eric Yeboah Tenkorang, PhD, Sociology Department, Memorial University, St. John's, NL, Canada; Amos Laar, PhD, School of Public Health, University of Ghana, Legon, *A qualitative exploration of the Housing and health conditions of HIV positive persons in Lower Manya Krobo District, Ghana.*
11:00 Justin Stoler*, University of Miami; Christopher Cowen, University of Miami, *The demise of piped water? A spatial analysis of primary drinking water sources in Ghana.*
11:20 Nathaniel Dede-Bamfo*, Texas State University, *Modeling Spatial Accessibility to Agricultural Markets in the Afram Plains of Ghana.*
- 2256. Thinking the Anthropocene through Race 2**
Room: *Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)*
ORGANIZER(S): Bruce Erickson, University of Manitoba
CHAIR(S): Bruce Erickson, University of Manitoba
10:00 Fabiana Li*, *Rethinking Extraction, Environmental Justice, and Ontological Politics in the Anthropocene.*
10:20 Mike Simpson*, University of British Columbia, *Enclosing the Anthropocene.*
10:40 Timothy Luke*, Virginia Tech, *Spinning Anthropocenarios: Is Physical Geography in the Anthropocene more than a Political Geography for the Late Holocene?.*
Introducer: Joshua Eichen
Discussant(s): Lawrence D. Berg, University of British Columbia

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- 2257. Jewish Geographies II: Spatial Insights into Contemporary Jewish Life in the Diaspora (Sponsored by Ethnic Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Sebastian Henn, University of Jena; Ira M. Sheskin, University of Miami
 CHAIR(S): Ira M. Sheskin, University of Miami
10:00 Maria Luisa Caputo*, University of Paris - Panthéon Sorbonne, *A geographical reading of the public discussion upon the London eruv. In between the fear of the ghetto and the defence of a secular public space.*
10:20 Alison Hotten*, University of Nevada, Reno, *Jewish Involvement in Modern Architecture: A Miami Beach Case Study.*
10:40 Izhak Schnell*, Tel Aviv University; Ahmed Diab, Tel Aviv University; Itshak Benenson, Tel Aviv University, *A global model of segregation versus integration.*
- 2258. Critical Perspectives on Food System Interventions 2 (Sponsored by Urban Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Luke Craven, University of Sydney
 CHAIR(S): Luke Craven, University of Sydney
10:00 Claire Emmanuelle Bach*, Portland State University, *Spatializing the Political: Informal Urban Agriculture Practice in Montréal, Québec.*
10:20 Gina K. Thornburg*, Kansas State University, Department of Geography, *"? What's Coming Down the Pike": Farmers' Perceptions, Motivations, and Experiences vis-à-vis the Oklahoma Farm-to-School Program.*
10:40 Kevin Cody, PhD*, University of Northern Colorado, *Organic farming transferability and international exchange: A case study of the Multinational Exchange for Sustainable Agriculture.*
11:00 Jaime Speed Rossiter*, San Diego State University; Pascale Joassart-Marcelli, PhD, San Diego State University; Fernando J. Bosco, PhD, San Diego State University, *Improving food security in City Heights, San Diego: The role of ethnic markets.*
 Discussant(s): Christine C. Caruso, Eastern Connecticut State University
- 2259. Symposium on Human Dynamics Research: Special Session on Big Geospatial Data and Smart City (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Shih-Lung Shaw, University of Tennessee
 CHAIR(S): Shih-Lung Shaw, University of Tennessee
 Introducer: Shih-Lung Shaw
 Discussant(s): Daniel Z. Sui, The Ohio State University; Michael F. Goodchild, University of California
 Panelists: Deren Li, Wuhan University
- 2260. Indigenous Food Sovereignty II: Challenges and Prospects (Sponsored by Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): RDK Herman, National Museum of the American Indian
10:00 Andrew Papworth*, University College London, UK, *Understanding impacts of climate shocks on the food security of the Rama indigenous group, Nicaragua.*
10:20 Karen Sue Rolph Morales, M.S., M.A., Ph.D.*, Saint Mary's College, *No Place at the Table: Peruvian Quechua speakers in a globalizing world.*
10:40 Janna L. Lafferty, Ph.D. Candidate*, Florida International University, *Articulating Coast Salish Food Sovereignty: Tribal Sovereignty and Alternative Food Geographies in the US Pacific Northwest.*
- 11:00** Hekia Bodwitch*, UC Berkeley, *Property isn't enough: Why tribal ownership of commercial fishing rights does not address Maori dispossession from fisheries.*
 Discussant(s): RDK Herman, National Museum of the American Indian
- 2261. GIS & Technology Poster Session**
 Posters for this session can be found on pages 158-162.
Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
 This session is a continuation of the previous timeslot, 2161.
- 2262. Assessing Ecosystem Services in the Anthropocene (II) (Sponsored by Landscape Specialty Group, Biogeography Specialty Group)**
Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Kaitlin Tasker; Eugenio Y. Arima, The University of Texas at Austin
 CHAIR(S): Eugenio Y. Arima, The University of Texas at Austin
10:00 Kemen Austin*, Duke University; Michelle Lee, Monitoring and Assessment of Biodiversity Program, Smithsonian Institute; Connie Clark, Duke University, National Parks Agency of Gabon; Prasad Kasibhatla, Duke University; Lee White, National Parks Agency of Gabon; John Poulsen, Duke University, *Do Zero-Deforestation Approaches to Oil Palm Expansion Safeguard both Carbon Stocks and Biodiversity in Gabon?.*
10:20 Hoonchong Yi*, Texas A&M University; Burak Güneralp, Texas A&M University; Anthony M Filippi, Texas A&M University; Inci Güneralp, Texas A&M University, *Effects of land change on carbon sequestration, sediment retention, and biodiversity in the San Antonio River Basin, Texas, 1984-2010.*
10:40 Eugenio Y. Arima*, The University of Texas at Austin; Fabricio Leal, University of Brasilia, *Measuring directional connectivity of Amazonian fragmented forests.*
11:00 Narcisa G. Pricope, PhD*, University of North Carolina Wilmington; Juliann Aukema, PhD, USAID; Greg Husak, PhD, University of California Santa Barbara; David Lopez-Carr, PhD, University of California Santa Barbara, *A global analysis of spatial patterns of wet season precipitation and population changes in conservation priority regions.*
11:20 Richard J. Aspinall*, Independent Scholar, *Measuring Biodiversity: Abundance, Biomass and Change.*
- 2263. Retail and Business Geography I (Sponsored by Business Geography Specialty Group)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Tony Hernandez, Ryerson Polytechnic University
 CHAIR(S): Tony Hernandez, Ryerson Polytechnic University
10:00 Eric Vaz, Ph.D.*, Ryerson University, *On Happiness and Business location: A land use construct.*
10:20 Brett J. Lucas*, City of Cheney, WA, *A Tale of Four Malls: An Historical Analysis of Two Successful and Two Unsuccessful Shopping Centers in the San Francisco Bay Area, California and Augusta, Georgia.*
10:40 Stephen J Swales*, Ryerson University; K. Wayne Forsythe, Ryerson University, *Regional Variation in Upscale Market Change in Canada.*
11:00 Ian M. Dunham*, Temple University, *Credit and Community: Financial Inclusion and the Uneven Geography of Retail Financial Service Access in the U.S..*
11:20 Tony Hernandez*, Ryerson University; Maurice Yeates, Ryerson University, *Evolving Commercial Strips and Public Policy: The Ethics of Obsolescence.*

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- 2264. Global health and the environment I: Research (Sponsored by Human Dimensions of Global Change Specialty Group, Population Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Nikko Ballroom I, Hotel Nikko, 3rd Floor (Panel Session)*
 ORGANIZER(S): David Lopez-Carr, UC Santa Barbara; Mei-Po Kwan, University of Illinois at Urbana-Champaign
 CHAIR(S): David Lopez-Carr, UC Santa Barbara
 Introducer: David Lopez-Carr
 Discussant(s): Mei-Po Kwan, University of Illinois at Urbana-Champaign; John R. Weeks, San Diego State University
 Panelists: Sadie Jane Ryan, University of Florida; Tommi Gaines, University of California San Diego; Liza Grandia, University of California - Davis; Peng Gong, Tsinghua University
- 2265. Geographies of Voting Power**
Room: *Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Robert Saunders, Eastern Washington University
10:00 Petr Dostál*, Charles University in Prague; Libor Jelen, Charles University in Prague, *The Post-Euromaidan Elections: Ukrainian Presidential and Parliamentary Elections of 2014.*
10:20 Luke Wenschhof*, University of Southern California; Robert Vos*, University of Southern California, *The Geography Of Voter Power In The U.S. Electoral College From 1900-2012.*
10:40 Yola Georgiadou*, University Twente; Yola Georgiadou, University Twente, *Citizens, Empowerment and Accountability in East Africa.*
11:00 Joseph Leydon, Dr.*, University of Toronto Mississauga, *Do Structural Barriers Explain Inequality of Representation in Local Government? A Case Study of the 2014 City of Mississauga Municipal Elections..*
11:20 Robert R. Saunders*, Eastern Washington University, *The Yard Signs of Spokane County: Exploring the Electoral Landscape through the Placement of Political Yard Signs.*
- 2266. Episodic Fluvial Sedimentation and Geomorphic Responses: A Centennial Tribute to G.K. Gilbert, Part II (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**
Room: *Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): L Allan James, University Of South Carolina; Scott A. Lecce, East Carolina University
 CHAIR(S): L Allan James, University Of South Carolina
10:00 Francis J. Magilligan*, Department of Geography, Dartmouth College; Carl E. Renshaw, Department of Earth Sciences, Dartmouth College; Helen Doyle, Department of Earth Sciences, Dartmouth College; Evan N. Dethier, Department of Earth Sciences, Dartmouth College; Keith M. Kantack, Department of Earth Sciences, Dartmouth College, *Grade grubbing channel systems: or how can I maintain my grade if you keep changing the boundary conditions.*
10:20 George Mathias Kondolf*, University of California - Berkeley; Zhan Rubin, University of California Berkeley, *Dams on the Mekong: cumulative sediment starvation magnitude, likely effects, and potential mitigation opportunities.*
10:40 Robert T. Pavlowsky*, Missouri State University; Matthew C Pierson, Missouri State University; Scott A. Lecce, East Carolina University; Derek J Martin, Appalachian State University; Marc R Owen, Missouri State University, *Channel and Floodplain Management of Contaminated Legacy Sediment in Big River, Old Lead Belt, Southeast Missouri.*
11:00 J. Michael Daniels*, University of Denver, *Soils, Sediments, and the Legacy of Medieval Agriculture in Czech Pluzina Landscapes.*
- 11:20** Suzanne Walther*, University of San Diego; Brett Huffaker, Utah Valley University; Nathan A. Toké, Utah Valley University, *Flash Flooding in Capitol Reef National Park, Utah: Quantifying Geomorphic Change on Pleasant Creek.*
- 2267. Student Engagement in Community Service 2 (Sponsored by Geography Education Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: *Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Sallie A. Marston, University of Arizona; Vincent J. Del Casino, University of Arizona
 CHAIR(S): John Paul Jones, University of Arizona
10:00 Deborah Thien*, California State University, Long Beach, *Take them to the river': Instituting 'civic engagement' in a University Honors Program.*
10:20 Nicole Laliberte*, University of Toronto - Mississauga; Charlene Waddell, University of Toronto Mississauga, *The politics of solidarity: facilitating a Global Experience program for undergraduates.*
10:40 Sallie A. Marston*, University of Arizona; Morgan Apicella*, University of Arizona, *Growing Justice in School and Community Gardens.*
11:00 Kirk Lange*, Mount Holyoke College; Serin Houston, PhD, Mount Holyoke College, *Global/Local Community-Based Learning: Engaging Students in Community Solidarity and Co-labor.*
 Discussant(s): Katherine Gibson, University of Western Sydney
- 2268. Wellbeing and Community Change I: Issues and impacts in Urban Renewal (Sponsored by International Geography, GIScience, and Urban Health Theme, Urban Geography Specialty Group)**
Room: *Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise
 CHAIR(S): Julie Clark, University of Glasgow
10:00 Nicholas Wise*, Asia University, Taiwan, *Social Regeneration, Wellbeing and Legacy: How NGO's Help Haitians find a Sense of Community.*
10:20 Pablo Sendra*, University College London, The Bartlett School of Planning, *Community-led Social Housing Regeneration: Between the Formal and the Informal.*
10:40 Friedrich M. Zimmermann*, University of Graz, *URB@ Exp: Urban Labs as a New Form of Participation and Governance.*
11:00 Katherine Luke*, Institute for Research on Labor and Employment, *New East Manchester? Historicizing health, wellness, and the working class body to resist gentrification.*
11:20 Emily Blanck*, Department of History, *Galveston on the San Francisco Bay: The Transport and Transformation of the Juneteenth Holiday to a New Community.*
- 2269. GIS for Health and the Environment Using Social Media and Crowdsourcing Data (Sponsored by International Geography, GIScience, and Urban Health Theme, Geographic Information Science and Systems Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Carmel I, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Wei Yang, University of Southern California; Lan Mu, University of Georgia; Eric M. Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Wei Yang, University of Southern California
10:00 Wei Yang*, University of Southern California; Lan Mu, University of Georgia; Ye Shen, University of Georgia, *Effect of climate and seasonality on depressed mood among twitter users.*
10:20 Dorris Scott*, University of Georgia, *Using social media, government data and GIS to assess the sentiment regarding the Veterans Health Administration.*

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- 10:40** Lan Mu*, University of Georgia, *Air Quality Estimation with Crowdsourcing Spatiotemporally Tagged Digital Photos.*
- 11:00** Eric M. Delmelle*, University of North Carolina at Charlotte; Irene Casas, Louisiana Tech University, *Visualizing the dynamics of health-related tweets opportunities and computational challenges.*
- 11:20** Josh Vertalka*, Michigan State University, *Predicting Influenza Emergency Room Admissions in New York City with Twitter.*
- 2270. Political Ecologies of Technology: 2 (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Carmel II, Hotel Nikko, 3rd Floor (Paper Session)*
ORGANIZER(S): Eric Nost, University of Wisconsin-Madison; Ashton Wesner, University of California, Berkeley; Heather Rosenfeld, University of Wisconsin - Madison
CHAIR(S): Anthony Levenda, Portland State University
10:00 Ritwick Ghosh*, Cornell University, *Quantifying Environmental Performance in the Conservation Stewardship Program.*
10:20 Jairus Rossi*, University of Kentucky, *Assisted Migration: Stabilizing Genetic-Ecological Spaces within Changing Environments.*
10:40 Jessica Cavin Barnes*, North Carolina State University; Jason Delborne, PhD, North Carolina State University, *Commodification and Conservation: A Political Ecology of Forest Tree Genomics.*
11:00 Thulisile Ncamsile Mphambukeli, Dr*, University of the Free State, South Africa, *Situating Urban Political Ecology: Politicising Urban Renewal Programme from the Global South and the Role of Technology.*
Discussant(s): Jake Kosek
- 2271. Doing Qualitative Research While Introverted (Sponsored by Qualitative Research Specialty Group)**
Room: *Golden Gate Room, Hotel Nikko, 25th Floor (Panel Session)*
ORGANIZER(S): Julie Cidell, University of Illinois
CHAIR(S): Julie Cidell, University of Illinois
Panelists: Erica Schoenberger, Johns Hopkins University; Joy Whiteley Ackerman, Antioch University NE; Lisa M. Butler Harrington, Kansas State University; Sophie Moore, UC Davis; Chad Newbrough Steacy, University of Georgia; Ashley Allen, Louisiana State University
- 2272. Why not make Retirement the High Point of a Geography Academic Career? (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Retired Geographers Affinity Group)**
Room: *Bay View Room, Hotel Nikko, 25th Floor (Panel Session)*
ORGANIZER(S): Lydia M. Pulsipher, University of Tennessee
CHAIR(S): Lydia M. Pulsipher, University of Tennessee
Introducer: Lydia M. Pulsipher
Discussant(s): Dydia DeLyser, California State University, Fullerton
Panelists: Melanie Barron, University of Tennessee; Jason Dittmer, University College London; Stanley D. Brunn, University of Kentucky
- 2273. Global Urban Observation: Towards Sustainable Cities (II) - Urban-Rural Dynamics (Sponsored by Remote Sensing Specialty Group)**
Room: *Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)*
ORGANIZER(S): Qihao Weng, Indiana State University; Yuhong He, University of Toronto Mississauga
CHAIR(S): Iryna Dronova, UC Berkeley
10:00 Yuhong He*, University of Toronto Mississauga; Jian Yang, University of Toronto, *Automated mapping of impervious surface in urban and sub-urban areas: linear spectral unmixing of high spatial resolution imagery.*
10:20 Douglas A. Stow*, San Diego State University; John R Weeks, San Diego State University; Hsiang-chien Shih, San Diego State University; Lloyd L Coulter, San Diego State University, *Urbanization in southern Ghana in the first decade of the new millennium.*
- 10:40** Valérie LAURENT, UMR TETIS, Irstea, AgroParisTech, Cirad, 34000, Montpellier, France; Nathalie SAINT-GEOURS, UMR TETIS, Irstea, AgroParisTech, Cirad, 34000, Montpellier, France; Jean-Stéphane BAILLY, UMR LISAH, 34000, Montpellier, France, AgroParisTech, 75005, Paris, France; Jean-Pierre CHERY*, UMR TETIS, AgroParisTech, Cirad, Irstea, 34000, Montpellier, France, *Analyzing urban sprawl indicators under uncertainties.*
- 11:00** Hang Li*, Salem State University; stephen young, dr., salem state university, *A Comparison of Urbanization in China and the US based on the urban heat island and green space.*
- 11:20** Iryna Dronova*, UC Berkeley; Nicholas E Clinton, Google Inc.; Jun Yang, Tsinghua University, China; Spencer Marx, UC Berkeley; John Radke, UC Berkeley; Peng Gong, Tsinghua University, China, *Thermal-vegetation patterns following urban development in different socio-economic contexts.*
- 2274. Linguistic Geography 2 (Sponsored by Graduate Student Affinity Group, Cultural Geography Specialty Group)**
Room: *Bellevue Room, Marker Hotel, Lobby Level (Paper Session)*
ORGANIZER(S): Catherine E. Lee, University of Hawaii at Manoa
CHAIR(S): Catherine E. Lee, University of Hawaii at Manoa
10:00 Sarah Lily Feder*, Amazon Conservation Association, *"Trolls Had Been Moving Their Tongues": Language, Landscape, and Environmental Resistance in Iceland.*
10:20 Jeffrey A. Lee*, Texas Tech University; Catherine E Lee, University of Hawai'i Manoa; Linda Lea Jones, Texas Tech University, *Geographically Inappropriate Place Names in Lubbock, Texas.*
10:40 Greg Niedt*, Drexel University, *"New Neighbors": Assessing the Perception of Street-level Linguistic Change in Neighborhoods.*
11:00 Amanda Brockway*, Texas Tech University, *A Walk in Palolo.*
11:20 Gavin Lamb*, University of Hawaii, *"Don't call it Turtle Beach": Nexus analysis and frictions of engagement at a Hawaiian beach..*
- 2275. Illegibility and the Politics of Not Knowing: Paper Session 2**
Room: *Paris North, Marker Hotel, Lobby Level (Paper Session)*
ORGANIZER(S): Sara Keene, Cornell University; Alice Beban, Cornell University
CHAIR(S): Sara Keene, Cornell University
10:00 Yaffa Truelove, PhD*, Yale-NUS College, *"Unmapping" Delhi's Waterscape: Illegibility, Disguised Scarcity and Gray Governance of Water in the City.*
10:20 Sara Keene*, Cornell University, *Cultivating Illegibility: Governing the Margins of Northern California's Marijuana Industry.*
10:40 Alice Beban*, Cornell University, *Unwritten Rule(s): Ambiguous State Making on Cambodia's Property Frontier.*
11:00 Hudson McFann*, Rutgers University, *A Critique of Residual Harm: "Remnants of War" and the Illegibility of Slow Violence.*
Discussant(s): Andrew Mathews, Department of Anthropology, UC Santa Cruz
- 2276. PREM: Critical Penal Geographies II: Humanization, Medicalization, and Therapeutic Justice (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Paris South, Marker Hotel, Lobby Level (Paper Session)*
ORGANIZER(S): Ted Rutland, Concordia University; Jennifer Ridgley, Carleton University; Judah Schept, Eastern

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- Kentucky University - Richmond, KY
 CHAIR(S): Jennifer Ridgley, Carleton University
10:00 Annie Spencer*, CUNY - Graduate Center, *Mapping an Epidemic/Moving the State: The Opioid/Heroin Crisis and Contested Terrains of Crime and Punishment.*
10:20 Judah Schept, PhD*, Eastern Kentucky University - Richmond, KY, *Architectures of a shifting carceral state: Caring cages, craft-carceral tourism, nursing homes and yes, more prisons..*
10:40 Robert Chlala*, University of Southern California, *Body Work: Cannabis Labor, Racial Capitalism and Market-Making in Neoliberal Los Angeles.*
11:00 Jenna M. Loyd*, University of Wisconsin-Milwaukee; Anne Bonds*, University of Wisconsin, Milwaukee, *Transforming Justice: Challenging Terms of Counter-Insurgency in Milwaukee.*
 Discussant(s): Jennifer Ridgley, Carleton University
- 2277. The emerging geographies of infrastructure : regulation, distributed decisions and innovation in governance 1. Transformations in infrastructure governance (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)**
Room: Athens North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Phil Johnstone, University of Sussex; Ralitsa Hiteva, SPRU, University of Sussex; Katherine Lovell, University of Sussex
 CHAIR(S): Cian O'Donovan, University of Sussex
10:00 Vanesa Castan Broto*, UCL; H.S. Sudhira, Gubbi Labs, *An historical perspective on carbon lock-in: the case of Bangalore, India.*
10:20 Ralitsa Hiteva*, SPRU, University of Sussex, *Geographies of access to infrastructure: the case of UK offshore wind.*
10:35 Katherine Lovell*, University of Sussex, *The business of railways? The changing governance structure of Great Britain's railways..*
10:50 Alan Patterson, BSc, MA, PhD, FRGS*, Sheffield Hallam University, *Restructuring Water Management: from private, to public, to private, to ... 'not for profit'?.*
 Discussant(s): Stefan Bouzarovski, University of Manchester
- 2278. Hazards Risks and Disasters 2: Coastal Hazards and Sea Level Rise (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Tim G. Frazier, University of Idaho; Eric Tate, University of Iowa
 CHAIR(S): Tim G. Frazier, University of Idaho
10:00 David Retchless, PhD*, Texas A&M University at Galveston, Department of Marine Sciences, *Understanding Local Sea Level Rise Risk Perceptions and the Power of Maps to Change them: The Effects of Distance, Detail, and Doubt.*
10:20 Matthew Jamieson*, USGS; Peter Ng, USGS; Jeanne Jones, USGS; Nathan Wood, USGS; Jamie Jones, *Using Data Driven Documents (D3.js) for Effective Visualization of Community Exposure to Sea Level Rise and Storm Surge around San Francisco Bay..*
10:40 Heng Cai*, Louisiana State University; Nina Lam, Louisiana State University, *Assessing Community Resilience to Coastal Hazards in the Lower Mississippi River Basin.*
11:00 Elyse Zavar*, Southern Connecticut State University, *The Legacy of the 1938 New England Hurricane in Coastal Connecticut.*
11:20 Jochen Schubert, PhD*, University of California - Irvine; Wing Cheung, University of California - Irvine; Adam Luke, University of California - Irvine; Timu Gallien, PhD, University of California - San Diego; Amir AghaKouchak, PhD, University of California - Irvine; David Feldman, PhD, University of California - Irvine;
- Richard Matthew, PhD, University of California - Irvine; Brett Sanders, PhD, University of California - Irvine, *Making Coastal Flood Hazard Maps to Support Decision-Making - What End Users Want.*
- 2279. PQN: Queering Social Reproduction II (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Paul S. B. Jackson, University of Delaware; Sarah Stinard-Kiel, Temple University; Max Andrucki, Temple University
 CHAIR(S): William McKeithen, University of Washington
10:00 Eleni Bourantani*, University of Southampton, *Male primary carers queering social reproduction in the UK.*
10:20 Mantha Alkisti Katsikana*, Postgraduate Programme Student: ?Urban and Regional Planning? School of Architecture, National Technical University of Athens (NTUA), *Feminitities out of place: gender visibility and symbolic capital in the collective spaces of autonomy, in Athens, Greece.*
10:40 Sophie A Lewis*, University of Manchester, *Post-Capitalist 'Reproscapes'.*
 Discussant(s): Sarah Stinard-Kiel, Temple University; Heidi J. Nast, DePaul University
- 2280. Coding and App Development in Geography and GIS Education II (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Jobs and Careers Theme, Spatial Analysis and Modeling Specialty Group, Geography Education Specialty Group)**
Room: Vienna South, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): David DiBiase, Esri
 CHAIR(S): David DiBiase, Esri
 Discussant(s): Daniel Goldberg, Texas A&M University; May Yuan, University of Texas - Dallas
 Panelists: Brian Tomaszewski, The Rochester Institute of Technology; Sterling Quinn, The Pennsylvania State University; Pinde Fu, Esri
- 2281. Urban transformation processes: The role of flagship architecture as urban generator 2- The political-economic dimension (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Nadia Alaily-Mattar, Munich University of Technology; Alain Thierstein, Munich University of Technology; Johannes Dreher, Technical University Munich
 CHAIR(S): Martina Renate Löw, TU Berlin
10:00 Davide Ponzini, Politecnico di Milano; Sampo Ruoppila*, University of Turku, *What difference does democracy make? The Guggenheim museum projects in Abu Dhabi and Helsinki.*
10:20 Thomas Held*, *Voting on flagship architecture: The case of the KKL Lucerne.*
10:40 Philip Boland*, Queen's University Belfast; Philip Boland, Queen's University Belfast, *Fetishising cities of culture: 'economic fuel' or 'urban propaganda project'?.*
11:00 Johannes Dreher*, Technical University Munich; Nadia Alaily-Mattar, Technical University Munich; Alain Thierstein, Technical University Munich, *The costs and benefits of star architecture: Can we measure them?.*
 Discussant(s): Shoshanah B.D. Goldberg-Miller, Ohio State University

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- 2282. Desiring Politics and the Politics of Desire 2: Sexuality and as Transformation (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: *Beijing, Marker Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Beyhan Farhadi, University of Toronto; David K. Seitz, University of Toronto
 CHAIR(S): Beyhan Farhadi, University of Toronto
 10:00 David K. Seitz, Ph.D.*, University of Toronto, "A Rice Queen, or Something": *Ordinary Infrastructures for Minor Queer Desires*.
 10:20 Alexandra Fanghanel*, University of Greenwich; Alexandra Fanghanel, University of Greenwich, *Asking for it*.
 10:40 Laura Pascoe, M.S., PhD*, University of California - Davis, *'Pillow Talk is Big Talk': Geography of the Intimate Spaces of Negotiating Prevention and Sexual Pleasure in South African Heterosexual Relationships*.
 11:00 Farhang Rouhani*, University of Mary Washington, *Desire, Intimacy, and Diasporic Queer Politics*.
 Discussant(s): Gavin Brown, University of Leicester
- 2283. The historical geographies of radical geography (Sponsored by Socialist and Critical Geography Specialty Group, History of Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Metropolitan A, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Linda Peake, York University
 CHAIR(S): Linda Peake, York University
 10:00 Nicholas Blomley*, Simon Fraser University; Eugene McCann*, Simon Fraser University, *The radical moment: Simon Fraser in the seventies*.
 10:20 Eric S. Sheppard*, UCLA; Trevor J Barnes, University of British Columbia, *David Harvey, radical geography and "the travails of Baltimore"*.
 10:40 Matthew Huber, Syracuse University; Chris Knudson*, Clark University; Renee Tapp, Clark University, *Antipode and the making of radical geography at Clark University*.
 11:00 Jamie Peck, Professor, University of British Columbia; Trevor J. Barnes*, University Of British Columbia, *Berkeley, 1979-1982: Innovation Networks in Economic Theory and Political Practice*.
 11:20 Audrey L. Kobayashi*, Queen's University, *Early Beginnings: Race and the Civil Rights Movement*.
- 2284. Small-Scale and Urban Mining II: The Shadow Circuits and Afterlives of Minerals (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**
Room: *Metropolitan B, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Andrea Marston, University of California-Berkeley; Cynthia Morinville, University of Toronto
 CHAIR(S): Andrea Marston, University of California-Berkeley
 10:00 Freyja L. Knapp*, University of California, Berkeley, *The birth of the flexible mine: Changing geographies of mining and the e-waste commodity frontier*.
 10:20 Shivani Shedde*, Yale University, *Making (in)visible: Government surveys, representation and the making of the mine subject in the Kolar mines, 1873-1910*.
 10:40 Dawn Hoogeveen*, University of British Columbia, *Waste rock talk: From Omai to Mount Polley*.
 11:00 Julia Eleanor Corwin*, University of Minnesota, "There's no definition of old in this market": *Reuse economies in India's e-waste capital*.
 Discussant(s): Rajyashree Reddy, University of Toronto
- 2285. Fulfilling the promise of anarchist geographies II: prefiguring alternative economies (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Metropolitan C, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Simon Springer, University of Victoria;
- Vanessa Sloan Morgan; Patricia Burke Wood, York University
 CHAIR(S): Anthony Ince, Cardiff University
 10:00 Richard J White, Dr.*, Sheffield Hallam University, *On the need to recognise the Beautiful Flowers of Anarchy (as well as the seeds beneath the snow)*.
 10:20 Erin Araujo*, Memorial University of Newfoundland, *What Value? Explorations of heterodox economic praxis beyond hierarchy*.
 10:40 Andrew F Romero*, University of Washington - Department of Geography, *For Reasons of Indigeneity: Indigenous Native Alaskans' Transformation from Mutual Aid to Mutual Struggle*.
 Discussant(s): Mark Purcell, University of Washington; Patricia Burke Wood, York University
- 2286. Geopolitical Representation, Culture, and Territoriality II (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)**
Room: *Salon I, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Kara Dempsey, Appalachian State University
 CHAIR(S): Joern Langhorst, University of Colorado Denver, College of Architecture and Planning
 10:00 Joern Langhorst*, University of Colorado Denver, College of Architecture and Planning, *Disassembling Hegemony, Re-Assembling Place, Re-presenting Community: On the Agency of Designed Spaces in Post-disaster Resistance and Recovery*.
 10:20 Grigory Ioffe*, Radford University, *Belarus and the West: Geopolitical Games Thinly Disguised*.
 10:40 Brittany V. Gilmer, PhD*, Florida International University, *The Fishermen's Fight: Somali Piracy and the Dynamics of Identities, Mobilities, and Territorialities along the Somali Coastline*.
 11:00 Luke Struckman*, Carleton University, *Pacification in a tripartite state: American media representations of the Iraqi cultural landscape during the US military's Troop Surge of 2007*.
 11:20 Jinsoo Lee*, Kyunghee University; Sanghyun Chi, Kyunghee University, *Strong Enough to Donate: Official Development Assistance (ODA) of South Korea and the Construction of Discourses*.
- 2287. Accessibility and Mobility (Sponsored by Transportation Geography Specialty Group)**
Room: *Salon II, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Ahmed El-Geneidy, McGill University
 10:00 Adam Bakiera*, Texas State University, *Comparing Accessibility: a Case Study of Austin and how the city can Better Connect its Residents*.
 10:20 Jieun Lee, PhD*, Hunter College-CUNY; Igor Vojnovic, PhD, Michigan State University; Sue Grady, PhD, Michigan State University, *The Built Environment, Travel Behavior, and Just Access in the Detroit Metropolitan Region*.
 10:40 Kwun Sau Charles Chiu*, University of Toronto, *Mobility in the City - Dalian's Streetcar System: 1900s to 1940s*.
 11:00 Geneviève Boisjoly, McGill Univrsity; Ana I Moreno-Monroy, Universitat Rovira i Virgili; Ahmed El-Geneidy*, McGill University, *Vulnerability in transit: Assessing accessibility to formal jobs by public transit in the São Paulo Metropolitan Region, Brazil*.
 11:20 Ronald J. Horvath, PhD*, Retired University of Sydney, *Identifying Future Mobilities in the Uneven Distribution of the Contemporary Modal Mix*.
- 2288. Sharing in/on sharing: socio-spatial, temporal and technological transitions 2 (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**

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- Room:** *Salon III, JW Marriott Hotel, 2nd Floor* (Paper Session)
ORGANIZER(S): Helen C. Jarvis, University of Newcastle Upon Tyne; Mike Crang, Durham University
CHAIR(S): Helen C. Jarvis, University of Newcastle Upon Tyne
10:00 Mike Crang*, Durham University, *Re-use and exchange: Economies of thrift or expanding consumption?*
10:20 Laura Pottinger*, University of Manchester, *Swapping and saving seed: exploring the tensions, reciprocities and imagined geographies of shared garden produce.*
10:40 Ellen van Holstein*, University of Wollongong, *My Food, Your Food; Practices of Property and Sharing in Three Community Gardens.*
11:00 Anna Davies, Professor*, Trinity College Dublin, *Territorial and relational geographies of city-based food sharing for sustainability.*
11:20 Maartje Roelofsens*, University of Graz; Claudio Minca, Wageningen University, *"The Super Host". Rating and Redefining Care in Online Hospitality Networks..*

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- 2310. Thematic Keynote by Lee Schwartz and Michael Goodchild - Secondary Cities Mapping Session (Sponsored by AAG Mapathon)**
Room: *Plaza B, Hilton Hotel, Lobby Level* (Panel Session)
ORGANIZER(S): Melinda J. Laituri, Colorado State University
CHAIR(S): Melinda J. Laituri, Colorado State University
11:50 Lee R. Schwartz, U.S. Department of State
12:10 Michael F. Goodchild, University of California
12:30 Melinda J. Laituri, Colorado State University
- 2311. Business Geography Keynote: Cisco Systems and the power of Geography and Location to Business (Sponsored by AAG Jobs and Careers Theme, Business Geography Specialty Group)**
Room: *Golden Gate Room, Hotel Nikko, 25th Floor* (Panel Session)
ORGANIZER(S): Linda A. Peters, Esri; Murray Rice, University of North Texas
CHAIR(S): Linda A. Peters, Esri
11:50 Warner De Gooijer, Cisco Global Operations
- 2312. Mapping Global Marine Ecosystems (Sponsored by United States Geological Survey)**
Room: *Continental 2, Hilton Hotel, Ballroom Level* (Paper Session)
ORGANIZER(S): Roger Sayre, United States Geological Survey
CHAIR(S): Roger Sayre, United States Geological Survey
11:50 Roger G. Sayre, Ph.D*, United States Geological Survey, *Mapping global marine ecosystems.*
- 2322. Department Chairs Luncheon - Special Event**
Room: *Continental 4, Hilton Hotel, Ballroom Level* (Meeting Session)
 The Department Chairs' Luncheon, chaired by AAG Vice President Glen MacDonald, is an opportunity for existing or incoming Department or Program Chairs to discuss issues of administrative importance and share strategies for success. There is a \$35 registration fee to cover the cost of the lunch. Please register for this event at the AAG Registration Desk.
- 2325. Distinguished Lecture on Geomorphology & Society (Sponsored by Geomorphology Specialty Group)**
Room: *Imperial B, Hilton Hotel, Ballroom Level* (Paper Session)
ORGANIZER(S): Donald A. Friend, Minnesota State University
CHAIR(S): Donald A. Friend, Minnesota State University
Introducer: Donald A. Friend
11:55 Eric J. Larsen*, University of Wisconsin - Stevens Point, *When the River Bumps Into People: Resolving Conflicts between Human Infrastructure and Habitat Conservation along the Sacramento River.*

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Poster Sessions for Wednesday are located on pages 158-165.

- 2401. The Architecture of Capital 3: Expressions of publicness**
Room: *Golden Gate 1, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Adam Kaasa, Royal College of Art; Pushpa Arabindoo, University College London
 CHAIR(S): Adam Kaasa, Royal College of Art
 1:20 Taylor Elizabeth Norton Davey*, University of Waterloo, *Medellín, 'Social Urbanism', and Architecture's Agency through Scales.*
 1:40 Shannon Starkey*, USD, *California City and the Infrastructure of Marketing.*
 2:00 Jacob C Miller*, University of Arizona, *Post-Dictatorship Retail Architecture at the Chiloé Archipelago in Southern Chile.*
 2:20 Carol Mancke, BSci, BAFA, MArch, RIBA, AIA*, Royal College of Art, *Design process as a political possibility [or non-built architecture environments - architects without architecture].*
 Discussant(s): Tariq Jazeel, University College London
- 2402. GIS in Curriculum (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)**
Room: *Golden Gate 2, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Brad Huff, Columbus State University
 1:20 Ali Demirci*, Fatih University; Ahmet Karaburun, Fatih University; Serdar Arslan, Fatih University, *Teaching geography with GIS: Online versus desktop.*
 1:40 Masayo Tsuchida*, Esri Japan Corporation; Yukihisa Hoshida, Esri Japan Corporation; Go Urakawa, University of Hyogo; Hiroto Shimazaki, National Institute of Technology, Kisarazu College; Takashi Furuya, Yokohama National University; Takashi Kirimura, The University of Tokyo; Mayo Otsuru, Esri Japan Corporation, *GIS in Japanese Education: Understanding and Creating Thematic Maps.*
 2:00 Brad Huff, Ph.D.*, Columbus State University, *Community GIS as Service Learning Pedagogy.*
- 2403. The economy of cities: 08 Economic perspectives on the city**
Room: *Golden Gate 3, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): John Miron, University of Toronto
 CHAIR(S): Trevor J. Barnes, University Of British Columbia
 1:20 Michael Bentlage*, Munich University of Technology; Alain Thierstein, Munich University of Technology, *Central Places in the South of Germany revisited. Connectivity, Specialisation and Centrality in the Metropolitan Regions of Munich and Stuttgart.*
 1:40 Fabian Wenner*, Munich University of Technology; Alain Thierstein, Munich University of Technology, *The use of space as decision-making process. Valuation of mobility, residential, and workplace choices in the Munich Metropolitan Region.*
 2:00 John Miron*, University of Toronto, *The Mills Model of the Urban Economy.*
 2:20 Cheol-Ho Lee*, Southern California Association of Governments, *Firm Location and Urban Land Use Change.*
 2:40 Diana Mok*, The University of Western Ontario, Management and Organizational Studies, *Home Maintenance Expenditures, Income Fluctuations, and Spatial Patterns of Repairs.*
- 2404. Fostering Sustainability in the Tropics I**
Room: *Golden Gate 4, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Claudia Stickler, Earth Innovation Institute; David Gibbs McGrath, Earth Innovation Institute; Maria DiGiano, Earth Innovation Institute
 CHAIR(S): Claudia Stickler, Earth Innovation Institute
 1:20 Claudia Stickler*, Earth Innovation Institute; Maria DiGiano, Earth Innovation Institute; Margarita Benavides, Instituto del Bien Comun; Mario Osorio, Instituto del Bien Comun; Rosa Maria Vidal Rodriguez, Pronatura-Sur; Joy Hyvarinnen, Verification Research, Training and Information Centre; David McGrath, Earth Innovation Institute; Daniel Nepstad, Earth Innovation Institute; Silvia Irawan, Earth Innovation Institute; Briana Swette, Earth Innovation Institute; Elsa Mendoza, Earth Innovation Institute; Ane Alencar, Instituto de Pesquisa Ambiental da Amazonia; Charles Mwangi, Greenbelt Movement, *Fostering low-emissions rural development from the ground up.*
 1:40 David Gibbs McGrath*, Earth Innovation Institute; Claudia Stickler, Earth Innovation Institute; Daniel Nepstad, Earth Innovation Institute; Charlotta Chan, Earth Innovation Institute, *Exploring the consequences of a zero deforestation policy objective.*
 2:00 Joko Arif*, Earth Innovation Institute, *Pathways to jurisdictional sustainability in Indonesia.*
 2:20 Oswaldo Carvalho Jr.*, Earth Innovation Institute; Daniel Nepstad, Earth Innovation Institute; Joao Shimada, Earth Innovation Institute; Briana Swette, Earth Innovation Institute; Claudia Stickler, Earth Innovation Institute; Tathiana Bezerra, Earth Innovation Institute; David McGrath, Earth Innovation Institute, *Mato Grosso: Brazil's Agricultural Giant on the Pathway to State-Wide Sustainability.*
 Discussant(s): Claudia Stickler, Earth Innovation Institute
- 2405. Economic Geography VII - Labour Markets in the Global Economy: Education and Skills (Sponsored by Economic Geography Specialty Group)**
Room: *Golden Gate 5, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA
 CHAIR(S): Thomas Kemeny, University of Southampton
 1:20 Jamie Michelle Goodwin-White*, UCLA, *Recessionary shifts in the geography of the gender wage gap.*
 1:40 Andrea Filippetti*, National Research Council of Italy; Frederick Guy, 2Birkbeck College, University of London, UK; Simona Iammarino, London School of Economics, Department of Geography & Environment, *Educational choice and industrial structure: from individual safety to regional resilience.*
 2:00 Rupert Waters, Birkbeck, University of London; Helen Lawton Smith*, Birkbeck University of London, *Scientific skills: replacement demand and skills gaps and shortages in the South East of England.*
 2:20 Emelie Hane-Weijman*, Department of Geography and Economic History, Umeå University; Rikard H. Eriksson, Department of Geography and Economic History, Umeå University; Martin Henning, School of Business, Economics and Law, Gothenburg University, *How people move between industries and regions after job loss.*
 2:40 Ulrich Hilpert*, Friedrich-Schiller-University; Ulrich Hilpert, Friedrich-Schiller-University Jena, Chair of Comparative Government, *The Culture-Technology Nexus: Innovation, Policy, and the Successful Metropolis.*
- 2406. The Geographic Alliance Network: 30 Years of Progress in Geography Education (Sponsored by Geography Education Specialty Group)**
Room: *Golden Gate 6, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Jerry T. Mitchell, University of South Carolina
 CHAIR(S): Jerry T. Mitchell, University of South Carolina
 Discussant(s): Sarah Witham Bednarz, Texas A&M University; Jerry T. Mitchell, University of South Carolina
 Panelists: Gary Gress, University of Oklahoma; John A. Harrington, Kansas State University; Lisa Keys-

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Mathews, University of North Alabama; Kathleen Schwillie, National Geographic Society

- 2407. PQN: Social Reproduction--Precarious? Natural? Queer? (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: *Golden Gate 7, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Max Andrucki, Temple University; William McKeithen, University of Washington; Yui Hashimoto
 CHAIR(S): Sarah Stinard-Kiel, Temple University
 Discussant(s): Heidi J. Nast, DePaul University
 Panelists: Becky Mansfield, The Ohio State University; Nathaniel M. Lewis, University of Southampton; Katie Meehan, University of Oregon; Cindi Katz, CUNY Graduate Center
- 2408. Urban agriculture: interdisciplinary perspectives on food security and sovereignty**
Room: *Golden Gate 8, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Imogen Bellwood-Howard, Georg-August Universität Göttingen
 CHAIR(S): Martina Shakya, Ruhr-Universität Bochum, Institute of Development Research + Development Policy
1:20 Rachel Fehr*, Macalester College, *Exploring the Role of Horticulture in Alleviating Food Insecurity Among Women in Botswana.*
1:40 Jason Skipton*, Oregon State University; Alvaro Calderon, Fundacion Alternativas; Maria-Teresa Nogales, Fundacion Alternativas, *How a community garden in La Paz, Bolivia can improve food security and increase community participation.*
2:00 Brittany Kesselman*, University of KwaZulu Natal, *Food sovereignty and the multiple functions of urban agriculture: issues of scale and policy implications.*
2:20 Alec Thornton, PhD*, The University of New South Wales-Australia, *'The lucky country'? A critical exploration of social space and local food in Australian cities.*
2:40 Mario A. Giraldo, Ph.D*, Cal State Northridge, *Community Gardens: the victory gardens of the 21st century sustainable city..*
- 2409. Featured Lecture Tourism Studies Dr. Margaret Swain (Sponsored by Recreation, Tourism, and Sport Specialty Group, Tourism Geographies Journal, Routledge)**
Room: *Plaza A, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Rudi Hartmann, University of Colorado; Patrick Brouder, Brock University
 CHAIR(S): Rudi Hartmann, University of Colorado
 Introducer: Mary Mostafanezhad
1:30 Margaret Byrne Swain*, University of California, Davis, *Trans-disciplinary Tourism Studies: Altruism, Pragmatism, So what?.*
 Discussant(s): Alison M. Gill, Simon Fraser University; Kevin Hannam, Edinburgh Napier University
- 2410. Mapping Session: Mapping One City at a Time (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: *Plaza B, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
- 2411. People, Biota and the Environment in Cultural History: Honoring Daniel Gade 1 (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Historical Geography Specialty Group)**
Room: *Continental 1, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Gregory W. Knapp, University Of Texas - Austin; Kent Mathewson, Louisiana State University
 CHAIR(S): Gregory W. Knapp, University Of Texas - Austin
1:20 William E. Doolittle*, University of Texas - Austin, *Grinding Wheat in the Canary Islands during the 16th Century: The Ancestral Mills of the New World.*
1:40 Martha G. Bell*, Pontificia Universidad Catolica del Peru, *Grist milling with the horizontal waterwheel in the Northern Peruvian Andes: Ethnography, history and human-environment interactions.*
2:00 Hildegardo Córdova-Aguilar*, Pontificia Universidad Catolica Del Peru, *Human Adaptation To Climate Change In The Central Andes. The Case Of The Sierra Of Piura, Perú..*
2:20 Matthew C. LaFevor, Ph.D.*, National Socio-Environmental Synthesis Center (SESYNC), University of Maryland, *Using Restoration Ecology to Repair Degraded Agricultural Lands: Examining the Role of Historical Fidelity.*
2:40 Gregory W. Knapp*, University Of Texas - Austin, *From Acequias to Inca Bath to Grist Mill to Landscapes of Sustainability: 600 years in Guachalá..*
- 2413. Transformational Research in Geography – Featured Session**
Room: *Continental 3, Hilton Hotel, Ballroom Level*
 Organizer and Chair: **Douglas Richardson**, American Association of Geographers
 Speakers:
Glen M. MacDonald, AAG Vice President, UCLA
Michael F. Goodchild, University of California
Amy Glasmeier, Massachusetts Institute of Technology
 Discussion from the audience.
- 2415. The Dark Matter of the Urban: Forces, densities, velocities, affects, and more - PART III**
Room: *Continental 5, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Michele Lancione, University of Cambridge; Francisco Calafate-Faria
 CHAIR(S): Francisco Calafate-Faria
1:20 Alexander Vasudevan, Dr.*, University of Nottingham, *The Fragile City: Precarious Living and Radical Infrastructure in Contemporary Europe.*
1:40 Miriam Tedeschi*, IUAV University (Venice, Italy), *Affective information: on the fear of space in contemporary cities.*
2:00 Lucas Pohl*, Goethe University Frankfurt am Main, *Haunted Objects of the City: Postfoundational thought and the urban political.*
2:20 Tawhanga Nopera, PhD Candidate*, University of Waikato, *huka can haka in the city - social change through Indigenous identity performance..*
 Discussant(s): Michele Lancione, University of Cambridge
- 2417. Geographies of State Terror III: Migration, Militarization and Securitization**
Room: *Continental 7, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Vanessa Anne Massaro, Bucknell University; Emma Gaalaas Mullaney, Bucknell University
 CHAIR(S): Emma Gaalaas Mullaney, Bucknell University
1:20 Adam C. Morse, MA Student*, University of Oregon, *From Guantanamo Bay to Pelican Bay: Hunger Striking & the Biopolitical Geographies of Resistance.*
1:40 Danai Avgeri*, Queen Mary, University of London, *Detention and policing of migrants in the urban frontiers of Europe.*
2:00 Lauren Warbeck*, University of British Columbia, *Bodies and borders as carceral spaces: Asylum-seeker deaths in Canadian immigration detention settings.*
2:20 Claire Parfitt*, University of Sydney, *The privatised & transnational detention of asylum seekers: Implications for theories of the firm.*
 Discussant(s): Emma Gaalaas Mullaney, Bucknell University

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- 2418. Dendrochronology II: Dendroecology (Sponsored by Biogeography Specialty Group)**
Room: *Continental 8, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Trevis J. Matheus, Indiana University; Aquila Flower, Western Washington University
 CHAIR(S): Samantha M. Jones, Bemidji State University
1:20 Kevin Bernstein*, Pennsylvania State University; Alan H. Taylor, Ph.D., Pennsylvania State University, *Substrate-Mediated Climate-Growth Rate Relationships in the Klamath Mountain Forests.*
1:40 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.*
2:00 Kara K.L. Costanza*, University of Maine; William H. Livingston, University of Maine; Isabel Munck, US Forest Service; Kyle Lombard, New Hampshire Division of Forests and Lands; Shawn Fraver, University of Maine; Robert W Rice, University of Maine; William Ostrofsky, Maine Forest Service; Jennifer Weimer, New Hampshire Division of Forests and Lands, *Dendrochronological analysis of Caliciopsis Canker on White Pine Health in New England.*
2:20 Samantha M. Jones*, Bemidji State University; Doug Kastendick, USDA Forest Service, Northern Research Station, Grand Rapids MN; Brian Palik, USDA Forest Service, Northern Research Station, Grand Rapids MN; Alessandra Bottero, Department of Forest Resources, University of Minnesota, St. Paul MN, *Growth rates and drought resilience in managed red pine.*
 Discussant(s): Aquila Flower, Western Washington University
- 2419. James Blaut Memorial Award and Lecture (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Continental 9, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Ron Smith, Bucknell University
 CHAIR(S): Ron Smith, Bucknell University
- 2420. Sessions in honor of Cort Willmott, I: The Hydrologic Cycle. (Sponsored by Climate Specialty Group)**
Room: *Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Brian Hanson, University of Delaware; Scott M. Robeson, Indiana University
 CHAIR(S): Scott M. Robeson, Indiana University
1:20 Hengchun Ye, Ph.D*, California State University - Los Angeles; Eric J Fetzer, Ph.D, Jet Propulsion Laboratory, California Institute of Technology; Sun Wong, Ph.D, Jet Propulsion Laboratory, California Institute of Technology; Bjorn H Lambrigtsen, Jet Propulsion Laboratory, California Institute of Technology; Tao Wang, Jet Propulsion Laboratory, California Institute of Technology; Luke Chen, Jet Propulsion Laboratory, California Institute of Technology; Von Dan, Jet Propulsion Laboratory, California Institute of Technology, *Increasing convective precipitation under a warming climate: evidence observed in Northern Eurasia.*
1:40 April Hiscox*, University of South Carolina; Alexandria McCombs, University of South Carolina; Scott Allen, Louisiana State University, *Carbon and Water Fluxes in a degraded coastal swamp.*
2:00 Elsa C. Nickl*, North Carolina State University /CICS-NC; Cort J Willmott, University of Delaware; Russell Vose, NOAA's National Centers for Environmental Information (NCEI/NOAA), *Estimation of land surface precipitation for contiguous U.S. using a new spatial interpolation method.*
2:20 Carly Buxton*, University of Delaware, *Evaluating the effects of the Pacific Decadal Oscillation on winter precipitation in the Cascades using a mixed-physics WRF ensemble.*
- 2:40** Gina R Henderson, PhD*, U.S. Naval Academy; Bradford S Barrett, PhD, U.S. Naval Academy; Kaitlyn South, U.S. Navy, *Eurasian October snow depth: using self-organizing maps to characterize variability and identify relationships to the MJO.*
- 2421. San Francisco Infrastructure - Planning and Managing for Change in the Bay Region (Sponsored by AAG Jobs and Careers Theme, Energy and Environment Specialty Group)**
Room: *Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Drew Lehman
 CHAIR(S): Drew Lehman
1:20 Will Travis*, Bay Conservation and Development Commission, *Meeting the Challenge of Climate Change and Sea Level Rise in the Bay Area.*
1:40 Peter Drekeimer*, The Tuolumne River Trust, *The Tuolumne River Trust - The Voice for A River from Yosemite To The Pacific.*
2:00 Laura Tam*, SPUR, *SPUR: How a Regional Planning Non-profit Fosters Sustainable Change Throughout the Bay Area.*
2:20 Michael Carlin*, San Francisco Public Utilities Commission, *San Francisco's Public Utilities Commission: Clean Water, Power and Sewer Services for a City.*
2:40 Arthur O'Donnell*, California Public Utilities Commission, *The Geography of San Francisco's Electric Utility System - Political, Financial and Physical Realities.*
- 2424. Annual CAPE "Robert McC Netting" Plenary Lecture, by Nicholas Dunning (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Imperial A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign
 CHAIR(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign
1:20 Nicholas P. Dunning*, University of Cincinnati, *Climate, Weather, Risk, Human Agency, and Accountability in the Ancient Maya Lowlands.*
- 2425. Area Development and Policy Journal Launch: Ray Hudson (Sponsored by Routledge)**
Room: *Imperial B, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Sally Hardy, Regional Studies Association
 CHAIR(S): Weidong Liu, Chinese Academy of Sciences
1:20 Ray Hudson, Durham University
 Discussant(s): Jamie Peck, University of British Columbia; Yuko Aoyama, Clark University
- 2426. The Changing Geographic Workforce: Identifying and Applying to Non-traditional Careers in Geography (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers; Heather R. Houlton, American Geosciences Institute; Candice Luebbing, American Association of Geographers
 CHAIR(S): Heather R. Houlton, American Geosciences Institute
 Discussant(s): Candice Luebbing, American Association of Geographers; Arvind Aniel Rombawa Bhuta, USDA - US Forest Service - Region 6 - Regional Office - Natural Resources Branch
 Panelists: Paul N. McDaniel, Kennesaw State University; Robert M. Kerr, US Air Force Air Command and Staff College; Matthew Ryan Cartlidge, Prince William County Public Schools; Amy J. Blatt, TerraFirm International Corp.; John Cromartie, USDA

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- 2427. The Academic Job Market for Geographers: Strategies for Improving Career Preparation (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Kenneth E. Foote, University of Connecticut
 Discussant(s): Joni M. Palmer, University of Colorado at Boulder
 Panelists: Suzanne Walther, University of San Diego; Matthew H. Connolly, University of Central Arkansas; Jonathan Wessell, Grand Valley State University; Trushna Parekh, Texas Southern University; Norma Rantisi, Concordia University; JoAnn (Jodi) Vender, Pennsylvania State Univ
- 2428. Airports and Taxis (Sponsored by Transportation Geography Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Dudley Bonsal, University of Minnesota
1:20 Dudley Bonsal*, University of Minnesota, *A Cumulative, Population-Based Approach to Time-Variant Aircraft Noise Exposure Mapping.*
1:40 Bryan Dorsey*, Weber State, *All is not quiet on the Wasatch Front: Measurements and mitigation of noise pollution from military air traffic.*
2:00 Zhe Sun*, *Identification of aviation association degree?based on the Beijing Capital International Airport Economic Zone.*
2:20 Kaare H. Skollerud, Researcher*, Institute of Transport Economics; Joergen Aarhaug, Researcher, Institute of Transport Economics, *The importance of a geographical dimension in the competition between taxi companies.*
2:40 Daniel Kassahun Waktola, Dr.*, Los Angeles Mission College, *The Spatio-Temporal Aspects of Uber Services in Los Angeles.*
- 2429. Approaches to the Study of Dryland System Dynamics (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Erin Bunting, U.S. Geological Survey
 CHAIR(S): Erin Bunting, U.S. Geological Survey
1:20 Erin Leigh Bunting*, U.S. Geological Survey; Seth Munson, U.S. Geological Survey; Miguel Villarreal, U.S. Geological Survey; John Bradford, U.S. Geological Survey, *Spatiotemporal Patterns of Drought Vulnerability across Dryland Vegetation Types in the Western U.S..*
1:40 Jane Southworth*, University of Florida; Likai Zhu, University of Florida; Erin Bunting, University of Florida and USGS; Sadie Jane Ryan, University of Florida; Hannah Herrero, University of Florida; Peter R Waylen, University of Florida; Michael J Hill, University of North Dakota, *Changes in vegetation persistence across global savanna landscapes, 1982-2010.*
2:00 David Keellings, PhD*, University of Florida; Erin Bunting, PhD, USGS, *Changes in the Spatial Nature of Heat Waves Over North America.*
2:20 Daniel LeVine*, University of Texas at Austin; Kelley A Crews, University of Texas at Austin, *Impacts of prescribed burning and drought on savanna vegetation: Linking SAVI and vegetation cover to vegetation productivity.*
2:40 Drew Gower*, Princeton University, *An ecohydrological framework for modeling smallholder irrigation systems in drylands.*
- 2430. Experiential tourism, opening new spaces for postcolonial geography (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Dorien Vanden Boer, Ghent University; Olivia Mason, University of Durham
 CHAIR(S): Dorien Vanden Boer, Ghent University
1:20 Li Yang*, Western Michigan University, *Experiential Tourism: Tourism Development and Cultural Heritage Sites.*
1:38 Pau Obrador*, Northumbria University Newcastle; Antoni Vives Riera, Universitat de Barcelona, *Tourism, festivals and the quest for local identity: Disrupting the production of alterity in Sineu (Mallorca).*
1:56 Olivia Raney Mason*, University of Durham, *'What's cooking?': re-examining tourist mobilities in a Palestinian cooking class.*
2:14 Dorien Vanden Boer*, Ghent University, *Touristic thoughts from Palestine. Experiential tours as a space for countering the settler colonialism complex..*
 Discussant(s): Regina Scheyvens, Massey University
- 2431. State Power, Territorial Economy and the Future of the City (Sponsored by Political Geography Specialty Group, China Specialty Group, Urban Geography Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Carolyn Cartier, University of Technology Sydney
 CHAIR(S): Kevin R. Cox, Ohio State University
1:20 Kam Wing Chan*, University of Washington, *China's Administrative Urbanization, 1990-2010.*
1:40 Wing-shing Tang*, Hong Kong Baptist University, *Urban Processes Under Chinese State Socialism.*
2:00 Yu Gao*, University Of Technology Sydney, *China's urbanization and Shequ Expansion: Grassroots Territorial Urbanization.*
2:20 Kit Ping Wong*, Zurich ETH, *Beyond the state-led thesis: Territorialization of Shenzhen's urbanization.*
2:40 Carolyn Cartier*, University of Technology Sydney, *Urban Expansion and the Reproduction of Administrative Power: Territorial Urbanization in China.*
- 2432. Political Ecologies of Water in the West 3 (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Alida Cantor, Clark University; Joshua Cousins, University of Michigan
 CHAIR(S): Joshua Cousins, University of Michigan
1:20 Michael Agar, PhD*, Ethknoworks, Santa Fe NM, *Environmental VUCA in New Mexico: Volatile, Uncertain, Complex and Ambiguous.*
1:40 Eric P. Perramond*, Colorado College, *Reconciling politics and ecology in New Mexico water adjudications.*
2:00 Alida Cantor*, Clark University; Jacque (Jody) L. Emel*, Clark University, *Assemblages of Absurdity: Envisioning new approaches to water allocation.*
2:20 Michael Stanton*, Center for Applied Social Research, University of Oklahoma; Tony VanWinkle, Ph.D., University of Oklahoma; Jack R. Friedman, Ph.D., University of Oklahoma, *Precipitation Envy and Irrigation Frontiers: Negotiating Water Scarcity and Abundance in the Great Plains Border Zone.*
2:40 Zachary Paul Sugg*, University of Arizona School of Geography and Development, *Decentralizing Groundwater Governance in the West: Lessons from Central Texas.*

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- 2433. Global Innovations in Population Data. (Sponsored by Population Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Seth E. Spielman, University of Colorado
 CHAIR(S): Robert M. Leddy, U.S. Bureau Of the Census
1:20 Chenyang Wei*, University At Buffalo; Le Wang, University at Buffalo, *Quantitative Estimating the Situation of Population Segregation from Remote Sensing Perspective.*
1:40 Georgianna Strobe*, Florida State University/FREAC; Victor Mesev, Florida State University, *A high-resolution population data model using census data, Florida cadastral data, and the US National Grid.*
2:00 Bryan Jones*, Baruch College, CUNY, *Spatially explicit global population scenarios consistent with the Shared Socioeconomic Pathways.*
2:20 Alistair Leak*, UCL; James Cheshire, UCL; Paul Longley, UCL, *Identification of global regions based on a synthesis of traditional and new population inventories..*
2:40 Robert M. Leddy*, U.S. Bureau Of the Census, *U.S. Census Bureau Global Subnational Population Data Sets.*
- 2434. Social Equity and Justice in Cities**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Yasna Contreras, Department of Geography, Faculty of Architecture and Planning, University of Chi
1:20 Bruce C. Mitchell*, NCRC; Jason Richardson, NCRC, *Lending disparities in hypersegregated cities of the U.S..*
1:40 Martin Ourednicek*, Charles University in Prague, *Socio-spatial differentiation and segregation in post-socialist Prague.*
2:00 Stephen Przybylinski*, Syracuse University, *Social Justice and the Tent-City.*
2:20 Yasna del Carmen Contreras, DOCTOR*, Department of Geography, Faculty of Architecture and Planning, University of Chi; Yasna Contreras, Doctor, University Of Chile, *Exclusionary, direct and expectant gentrification in Chilean central areas: Santiago and Iquique.*
- 2437. Territorial Struggles: despojo, titulación y comunidad en Colombia (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Rural Geography Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Alexander D. Huezo, Florida International University; Diego Andres Lugo Vivas, University of Miami
 CHAIR(S): Alexander D. Huezo, Florida International University
1:20 Natalia Perez*, Simon Fraser University, *Exploring conceptualizations of property in the current debate about the Colombian Land Restitution Policy.*
1:37 Monica Patricia Hernandez*, Rutgers, The State University of New Jersey, *Challenging development concepts through processes of collective titling for Afro Colombian communities.*
1:54 Luis Sanchez-Ayala*, Universidad de los Andes; Patricia Gomez*, Universidad de los Andes, *Agribusiness and land grabbing in Colombia's last agricultural frontier.*
2:11 Alexander D. Huezo*, Florida International University, *Territory is Life: The Aerial Eradication of Coca in Colombia.*
 Introducer: Diego Andres Lugo Vivas
 Discussant(s): María Belén Noroña, University of Oregon; John Finn, Christopher Newport University
- 2438. Unmanned Aerial Systems (UAS) in Natural Resource Mapping Applications (Sponsored by Private/Public Affinity Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Peter George Chirico, United States Geological Survey
 CHAIR(S): Peter George Chirico, United States Geological Survey
1:20 Jennifer Hird, B.Sc., M.Sc.*, University of Calgary; Alessandro Montaghi, Ph.D., University of Calgary; Gregory McDermid, Ph.D., University of Calgary; Anne McIntosh, Ph.D., University of Alberta; Jahan Kariyeva, Ph.D., Alberta Biodiversity Monitoring Institute, *Assessing the Use of Unmanned Aerial Vehicles for Surveying Vegetation Recovery at Reclaimed Wellsites in Canada's Western Boreal Forests.*
1:40 Sarah Cole, MSc*, University of Calgary; Greg McDermid, University of Calgary; Jerome Cranston, Geospatial Center, Alberta Biodiversity Monitoring Institute; Mike Palmer, Cumulative Impact Monitoring Program (GNWT); Jesse Tigner, Explor; Mryka Hall-Beyer, University of Calgary, *The Development of Remote Sensing Tools for Mapping Linear Disturbances in the Sahtu Region of the Northwest Territories.*
2:00 James A Perkins, Graduate Research Assistant*, University of New Hampshire; Michael W Palace, Associate Professor, University of New Hampshire; Mark J Ducey, Professor, University of New Hampshire; Forrest R Stevens, Lecturer, University of Louisville, *Estimation of Forest Biometrics Using Unmanned Aerial Systems.*
2:20 Ross Hamilton Martin*, Texas State University; John Klier, Texas State University, *Hiker and biker impact to soils and vegetation in an experimental setting, and potential applications of aerial photography..*
 Discussant(s): Peter George Chirico, United States Geological Survey
- 2439. Author Meets Critics: Caroline Desbiens, "Power from the North" (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**
Room: *Union Square 12, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Benjamin Forest, McGill University
 CHAIR(S): Benjamin Forest, McGill University
 Introducer: Benjamin Forest
 Panelists: Caroline Desbiens, Universite Laval; Craig Colten, Louisiana State University; Lieba Faier, UCLA
- 2440. Home: Life on the Margins of Home III: Mobility and Belonging (Sponsored by Cultural Geography Specialty Group)**
Room: *Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Eric Goldfischer, University of Minnesota - Minneapolis; Jessie Speer
 CHAIR(S): Eric Goldfischer, University of Minnesota - Minneapolis
1:20 Yolanda Weima*, York University, *Still not home: The Villagised Resettlement of Former Burundian Refugees.*
1:40 Luis Eduardo Perez Murcia, PhD Student*, The University of Manchester, *Losing Home following Conflict and Displacement.*
2:00 Ragne Øwre Thorshaug*, Norwegian University of Science and Technology, NTNU, *Mobile tactics at the margins of home. Case studies of dwelling and home-making in reception centres for asylum seekers in Norway.*
2:20 Jeremy Slack, PhD*, University of Texas - El Paso, *Deportation Diasporas: Undocumented Permanent Residents and the New Migration Home.*
 Discussant(s): Tim Cresswell, Northeastern University

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- 2441. Remaking the global economy III: actors and dynamics, part 2 (Sponsored by Economic Geography Specialty Group)**
Room: *Union Square 14, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Godfrey Yeung; Karen Lai, National University of Singapore
 CHAIR(S): Aidan Marc Wong, National University Of Singapore
1:20 Jeffrey Carey*, Queen's University; John Holmes, Queen's University; Tod Rutherford, Syracuse University, *The impact of technological change on global production network restructuring and regional economic resilience in the Great Lakes automotive industry.*
1:40 Godfrey Yeung*, National University of Singapore, *Does coupling matter? The global production networks of nameplate automobile manufacturers and their suppliers.*
2:00 Danny Mackinnon*, Newcastle University, *Global production networks, energy transition and regional path creation: Offshore Wind in the UK.*
2:20 Aina Tollefsen*, Department of Geography and Economic History, Umeå University; Madeleine Eriksson, Department of Geography and Economic History, *Labour and changing global production networks in the Swedish berry industry.*
2:40 Matthew Alford*, University of Manchester, *Public and private governance in South African fruit global production networks: complementary, but who benefits?.*
- 2442. International Perspectives on the Geography Curriculum B**
Room: *Union Square 15, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Geography Education; Michael N. Solem, American Association of Geographers
 CHAIR(S): Michael N. Solem, American Association of Geographers
1:20 Daniela Schmeinck, Prof Dr*, University of Cologne, *Young children learning about evaporation - Conceptual change in primary school.*
1:40 Gina Bloodworth*, Salisbury University; Naomi Jefferey Petersen, Ph.D, Central Washington University; Mara Chen, Ph.D, Salisbury University, *Seeking linkage between K-12 geographic curricular exposure and environmental perception: a bi-coastal survey.*
2:00 Minoru Yuda*, University of Texas at Arlington, *Spatial Thinking in Geography Textbooks and STEM Education.*
2:20 Weiguo Zhou*, East China Normal University, *The Research of Historical Development and Future Prospect of Geography College Entrance Examination Since 1978.*
2:40 Qian Gong*, East China Normal University, *The Geographical Key Literacy Research of Chinese Secondary School Students.*
- 2443. Toward a Geographical Software Studies 2: Language and tools (Sponsored by Geographic Information Science and Systems Specialty Group, Political Geography Specialty Group, Cyberinfrastructure Specialty Group)**
Room: *Union Square 16, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Ryan Burns, Temple University; Nick Lally, University of Wisconsin - Madison
 CHAIR(S): Ryan Burns, Temple University
1:20 Matthias Plennert*, FAU Erlangen-Nürnberg, *Analyzing the hidden backbone of an open-data-project: a genealogy of the OpenStreetMap data model.*
1:40 Warren SACK*, University of California - Santa Cruz, *Out of Bounds: Language Limits, Language Planning, and Linguistic Capitalism.*
2:00 Luke Bergmann*, University of Washington, *Speculative computing: toward Geographic Imagination Systems (GIS).*
2:20 Pip Thornton*, Royal Holloway, University of London, *The Production of Context and the Digital Reconstruction of Language.*
- Discussant(s): Cheryl Gilge, University of Washington
- 2444. Geographies of Internal Migration: Cross-National Trends and Patterns (Sponsored by Population Specialty Group)**
Room: *Union Square 17, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Ian Shuttleworth; Thomas J. Cooke, University of Connecticut; Darren Smith, Loughborough University
 CHAIR(S): Ian Shuttleworth
1:20 Nik Lomax, Dr.*, University of Leeds, *Is Internal Migration Driving Local Area Ethnic Diversity in The United Kingdom?.*
1:40 Wenfei Winnie Wang, Dr*, University of Bristol, *Impact of urban-rural return migration on rural development in China.*
2:00 Thomas Cooke, University of Connecticut; Ian Shuttleworth*, QUB, *Do people who use the internet move more? Evidence from Northern Ireland.*
2:20 Thomas J. Cooke*, University of Connecticut, *A Cohort Perspective on the Long-Term Decline in US Migration Rates.*
 Discussant(s): Darren Smith, Loughborough University
- 2445. Urban inequality and unjust sustainability in China (Sponsored by China Specialty Group, Asian Geography Specialty Group)**
Room: *Union Square 18, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Xiaoling Zhang, City University of Hong Kong; Yanliu Lin
 CHAIR(S): Xiaoling Zhang, City University of Hong Kong
1:20 Xiaoling Zhang*, City University of Hong Kong; Qiyang Wu, Nanjing Normal University; Paul Waley, University of Leeds, *Education-driven rent-gap in jiaoyufication areas.*
1:40 Yanliu Lin*, Utrecht University, *Urban Inequality and the Challenges of Migrant Integration.*
1:55 Fu Yang*, City University of Hong Kong; Xiaoling Zhang, City University of Hong Kong, *Policy Mobility in Green Urbanism: a Comparative Case Study of Suzhou and Tianjin.*
2:10 Bo Bi*, Tsinghua University; Xiaoling Zhang, City University of Hong Kong, *Measuring Urban Inequality in Basic Education Using Socio-economic Status Index: A Case Study on Primary Schools of Beijing.*
2:25 Ying Liu*, Utrecht University; Yanliu Lin, Utrecht University; Stan Geertman, Utrecht University; Frank van Oort, Utrecht University, *Social Stratification in Villages in the City: Redevelopment Issues and Social Justice.*
- 2446. Sex and the City: Reactionism, Resistance and Revolt V - Spaces of Empowerment and Social Inclusion (Sponsored by Sexuality and Space Specialty Group)**
Room: *Union Square 19, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Paul J. Maginn, University of Western Australia; Clarissa Smith, University of Sunderland; Emily Cooper, Northumbria University
 CHAIR(S): Emily Cooper, Northumbria University
1:20 Paul J. Maginn*, University of Western Australia; Alistair Sisson, University of Sydney, *'Orgasmic Geographies': The Socio-spatial Distribution and Cultural Significance of Sex Toys in Australia.*
1:40 Lesley Gabriel*, Birmingham City University, *50 Shades of Suburbia: The BDSM Scene in Birmingham, UK.*
2:00 Susan Buckingham, Prof*; Monica Degen, Dr, Brunel University London, *Transformational space and gendered and sexed identities.*
2:20 Christina Bazzaroni, PhD Candidate*, Florida International University, *Sex Positive Culture Creation: Kinky Salon and the Sex Culture Revolution.*
 Discussant(s): Emily Cooper, Northumbria University

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- 2447. Relational Poverty 2: Alternative Poverty Knowledges**
Room: *Union Square 20, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Elyse Gordon, University of Washington
 CHAIR(S): Sarah Elwood, University of Washington
 1:20 Rhoda Rosen*, School of the Art Institute, *Red Line Service: Hobo College Redux*.
 1:36 Elyse Gordon*, University of Washington, *Decentering Poverty in Philanthropic Practice*.
 1:52 Joseph John Kerins*, DePaul University, *Embedding Economic Activity Through Chicago Community Banks: How Social Embeddedness Can Promote Economic Equity*.
 2:08 Sahar P. Romani*, Yale University, *Improvising NGOs: Youth and Development Cultures in Kolkata's Red-light Areas*.
 2:24 Katharina Schmidt*, University of Hamburg, *Challenging the 'visual regime of homelessness'*.
 2:40 Amy E. Ritterbusch, PhD*, Universidad de los Andes, *'Pobre Pobreza' (Poor Poverty): Destabilizing Poverty Knowledges and Representations through Participatory Visual Methods in Colombia*.
- 2448. Applications of GIS to Spatial Problems**
Room: *Union Square 21, Hilton Hotel, 4th Floor* (Illustrated Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Karly Nocera, SUNY - Geneseo
 1:20 Kimberley Britt Klinker, MS*, University of Richmond, *Areal Interpolation of Census Data using ArcGIS*.
 1:30 Shane R. Winslow, M.A.*, University of Cincinnati; Changjoo Kim, Ph.D., University of Cincinnati; Kevin N. Raleigh, Ph.D., University of Cincinnati, *Retracing our Steps: Reassessing Urban Environment and Crime Prevention through GIS and Spatial Analytics*.
 1:40 Hao Wang*, Central University of Finance and Economics; Wei Zheng, The Hong Kong Polytechnic University, *A planning support tool for sustainable land redevelopment in high density cities*.
 1:50 Jeff Mathwig*, Minnesota State University, *A Geographic Analysis of the University Parking Problem: A Minnesota State University Case Study*.
 2:00 Robert Thompson*, University of North Alabama, *Spatial Equity and Access to Amenities*.
 2:10 Rudy Omri*, University of Oregon, *Examining Spatiotemporal Variability of Twitter Data Representativeness*.
 2:20 Karly Nocera*, SUNY - Geneseo, *Life of the Gun: Disarming Violent Non-State Actors*.
 2:30 Michael Sutherland*, Penn State University, *Hitting the Trail: Documenting and Classifying Trail Signage for the Delaware & Lehigh National Heritage Corridor with GIS*.
- 2449. Geographies of Media VII: Exploring the Geographies of Digital Film Practice as Praxis Performance and Product II (Sponsored by Communication Geography Specialty Group)**
Room: *Union Square 22, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Jessica Jacobs, Queen Mary University of London
 CHAIR(S): Joseph Palis, University of the Philippines-Diliman
 1:20 Gemma Sou*, Humanitarian and Conflict Response Institute, University of Manchester, UK, *'Serious games' and their representations of development*.
 1:40 Kim Hammond*, The Open University; George Revill, Dr. The Open University; Joe Smith, Professor, The Open University, *Earth in Vision: Exploring the significance of digital broadcast archives for e-books*.
 2:00 Julie Urbanik, Ph.D.*, Mustela Vision Productions; Connie L. Johnston, Ph.D., University of Oregon, *Coordinates: Multi-Media Geography for a Digital World*.
 Discussant(s): Christopher Lukinbeal, University of Arizona
- 2450. Fieldwork in Human Geography (Sponsored by Qualitative Research Specialty Group)**
Room: *Union Square 25, Hilton Hotel, 4th Floor* (Panel Session)
 ORGANIZER(S): Jennifer Fluri, University of Colorado, Boulder
 CHAIR(S): Jennifer Fluri, University of Colorado, Boulder
 Panelists: Sara Koopman, York University; Sara H. Smith, University of North Carolina; Emily Billo, Goucher College; Max Counter; Nancy Hiemstra, Stony Brook University; Amy Piedalue, University of Washington; Farhana Sultana, Syracuse University; Amy Trauger, University of Georgia; Azita Ranjbar, Pennsylvania State University; Rupak Shrestha, University of Colorado Boulder
- 2451. Research in Geography Education I: Perceptions, Representations, and Learning Geography (Sponsored by Geography Education Specialty Group)**
Room: *Mason A, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Gillian Acheson, Southern Illinois University Edwardsville; Injeong Jo, Texas State University
 CHAIR(S): Gillian Acheson, Southern Illinois University Edwardsville
 1:20 Thomas B. Larsen*, Kansas State University, *Geoprogessions, mental maps, and community perception among Kansas third graders*.
 1:40 Jung Eun Hong*, University of West Georgia; Injeong Jo, Texas State University, *Online Resource Selection of Undergraduate Students in World Geography*.
 2:00 Larianne Collins*, University of South Carolina, *Student Response to the Use of Different Media in Spatial Thinking Skill Development*.
 2:20 Waverly C Ray, PhD*, San Diego Mesa College, *Developing the K-14 to Graduate School Pipeline for Underrepresented Students in the STEM Fields*.
 2:40 Gillian Acheson*, Southern Illinois University Edwardsville, *Picture This: The Inclusion of Women in Human Geography Textbook Images*.
- 2452. J. W. Nystrom Award Competition**
Room: *Mason B, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): AAG
 CHAIR(S): Fred M. Shelley, University of Oklahoma
 1:20 Vena W. Chu*, UC Berkeley, *Assessing southwestern Greenland ice sheet moulin distribution and formation from high-resolution WorldView-1/2 remote sensing*.
 1:40 Kimberley Thomas, PhD*, University of Pennsylvania, *Bordering non-water flows: Explaining upstream-downstream power asymmetries in the Ganges Basin*.
 2:00 Sharon E. Wilcox, Ph.D., University of Texas- Austin, *Murderous Jaguars, King Cats, and Ghostly Tigris: Emergent Rhetorics of Conservation in the early Twentieth Century*.
 2:20 Peng Jia*, Louisiana State University; Fahui Wang, Louisiana State University; Imam Xierali, Association of American Medical Colleges, Washington, DC., *Delineating the Hospital Service Areas Based on the Revised Huff Model*.
- 2453. Eurasian Themes III: Studying Eurasia is Intrinsicly Important. Or is it? (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: *Powell Room A, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Jeremy Tasch, Towson University
 CHAIR(S): Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research
 1:20 Lola Gulyamova*, National university of Uzbekistan, *Conceptual Framework for Interactive Dynamic Health Mapping in Uzbekistan*.
 1:40 Carl Thor Dahlman*, Miami University, *Embodied Artifacts: The Thin Membrane of Biological Time*.
 2:00 Elena Dabova*, *"Non-traditional" warfare within "traditional" state borders in Post-Soviet Ukraine*.

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- 2454. Spatiotemporal Symposium: Spatiotemporal Analytics in Earth Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Manzhu Yu, George Mason University; Chaowei Yang, George Mason University
 CHAIR(S): Manzhu Yu, George Mason University
 1:20 Yanni Cao*, The Pennsylvania State University; Guido Cervone, The Pennsylvania State University; Thomas Lauvaux, The Pennsylvania State University; Zachary Barkley, The Pennsylvania State University; Aijun Deng, The Pennsylvania State University; Daniel Sarmiento, The Pennsylvania State University, *Impact of Geographic Coordinate Systems on Atmospheric Numerical Simulations.*
 1:40 Lizzette M. Perez Lespier, MS, PE*, Missouri University of Science and Technology; Suzanna K. Long, PhD, Missouri University of Science and Technology; Tom G. Shoberg, PhD, U.S. Geological Survey, *A Simulation Model for Evaluating the Port of Prince Rupert as a Sustainable Maritime Transportation System.*
 2:00 Tao Zheng*, Central Michigan University, *Transport and Chemistry of Canadian Boreal Forest Fire Emission: Satellite Observations and Numerical Simulation.*
 2:20 Weibo Liu*, University of Kansas, *Graph-based representation and analysis for storm events.*
 2:40 Manzhu Yu*, George Mason University; Chaowei Yang, George Mason University, *Feature Detection in Spatiotemporal Atmospheric Data, using Dust Storm as an Example.*
- 2455. Global Migration at Multiple Scales (Sponsored by Africa Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Raymond Asare Tutu, Delaware State University; Justin Stoler, University of Miami
 CHAIR(S): Raymond Asare Tutu, Delaware State University
 1:20 Tommy Wu*, CUNY - Graduate Center, *Mobile Workers, Chinese Restaurants, and the New Labor Regime.*
 1:40 Abel Chikanda*, University of Kansas, *International Migrants and Xenophobia in Cape Town's Informal Economy.*
 2:00 Evelyn D. Ravuri*, Saginaw Valley State University, *The Effect of the Housing Crisis on Interstate Migration to Florida, 2008 and 2013.*
 2:20 Dan T. Johnston*, Indiana University, *The Violence of the 'Immigrant-Nation' Myth.*
 2:40 Raymond Asare Tutu*, Delaware State University, *Migrants' Acculturation Inclinations and Discrimination in James Town, Accra.*
- 2456. Cartography Honors Student Paper Competition (Sponsored by Cartography Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Stephanie Deitrick, Arizona State University
 CHAIR(S): Stephanie Deitrick, Arizona State University
 1:20 Meghan Kelly*, University of Wisconsin?Madison, *Mapping Syrian Refugee Border Crossings: A critical, feminist perspective.*
 1:40 Carolyn S. Fish*, Pennsylvania State University; Kirby Calvert, Ph.D., The University of Guelph, *A content analysis study of interactive online solar energy maps.*
 2:00 Joanna Merson*, Arizona State University, *Beyond Speed and Accuracy, Let's Focus on Engagement and Memorability: New Methods for Evaluating Cartographic Animations.*
 2:20 Yanan Xin*, Pennsylvania State University; Guido Cervone, Pennsylvania State University, *Visualization and Analysis of Individual Radiation Exposure Using Volunteered Geographic Information.*
- 2:40 Katherine A. Wright*, University of Southern California, *Tactical Eradication of the Chigoe Flea in Rural Kenya: Modeling GIS as a Strategic Management System.*
- 2457. Emerging Scholars in Ethnic Geography (Sponsored by Ethnic Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Kathryn Wright
 CHAIR(S): Kathryn Wright
 1:20 Courtney Tyler*, Southern Illinois University in Edwardsville, *Resident Perspectives on Gentrification along Milwaukee Avenue in Chicago.*
 1:40 Jordan Brasher*, Oklahoma State University, *The Langston City Herald: Promoting Race and Place in an Historic Frontier Utopia.*
 2:00 Gloria Howerton*, University of Georgia, *Borderland classrooms: Ethnicity and ideology in the Arizona Mexican-American Studies Ban.*
 2:20 Victoria Alapo*, Metropolitan Community College, Omaha, Nebraska, *A Review of the Historical Literature on the Pre-Colonial Empires of Ethiopia and Mali: An African Geographer's Point of View.*
 2:40 Shae Frydenlund*, University of Colorado Boulder, *Situationally Sherpa: The Sherpa "brand" and conjugated oppression in Nepal's mountain labor market.*
- 2458. Political Ecologies of Sustainability Labeling and Eco-labeling: People, Products and Places (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Laureen Elgert, Worcester Polytechnic Institute; Frances Fahy, National University of Ireland, Galway
 CHAIR(S): Laureen Elgert, Worcester Polytechnic Institute
 1:20 Brittany Y. Davis*, Allegheny College, *Go Blue or Go Home.*
 1:40 Theresa Selfa*, SUNY ESF, *GMO Labeling and Consumers Right to Know: Tensions around the emergence of Private Governance.*
 2:00 Gustavo Setrini*, New York University, *Beyond Labels: How local institutions shape development in global value chains.*
- 2459. Symposium on Human Dynamics Research: Space-Time Analytics (Methods) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): May Yuan, University of Texas - Dallas; David O'Sullivan, University of California, Berkeley
 CHAIR(S): Serge Rey, Arizona State University
 1:20 Carson J. Q. Farmer*, University of Colorado Boulder, *A Computational Framework for Time-Geographic Analytics.*
 1:40 Ling Bian*, University at Buffalo, State University of New York, *A dual representation of spatial-temporal dynamics of disease dispersion.*
 2:00 Alex Singleton*; Seth Spielman, University of Colorado, Boulder; David O'Sullivan, Berkeley, *Geodemographics: Fast and Slow Dynamics.*
 2:20 Clio Andris*, The Pennsylvania State University, *Visualizing Urban Network Degree over Space and Time.*
 Discussant(s): Amy Lobben, University of Oregon

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- 2460. Agroecology in the Context of Smallholder Livelihoods: Studies of Social Outcomes and Structural Determinants of Smallholder Agriculture (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): John Connors, Boston University; Devon D. Sampson
CHAIR(S): John Connors, Boston University
1:20 John Patrick Connors, PhD*, Boston University, *Disentangling Diversity: Agrobiodiversity, Livelihoods, and Food Security in the Kilombero Valley, Tanzania.*
1:40 Devon D. Sampson*, UC Santa Cruz, *Food Shortfalls, Labor Shortages, and Herbicides: A Positive Feedback Between Food Security and Agrobiodiversity in Mayan Agroecosystems.*
2:00 Tania Hernandez-Cervantes, PhD Candidate, Faculty of Environmental Studies*, York University, *Repairing and deepening rural-urban disruptions: the case of peri-urban ecological agriculture in Mexico City (DF).*
2:20 Angel Elisa Cruz*, North Carolina State University; Michaelle Schroeder-Moreno, Ph.D, North Carolina State University; Ernesto Mendez, Ph.D, University of Vermont; Sarah Bowen, Ph.D, North Carolina State University; K.S.U Jayaratne, Ph.D, North Carolina State University, *Assessing ability to increase food security and rural livelihoods of smallholder farmers through soil management in El Salvador.*
Discussant(s): Christopher Bacon, Santa Clara University
- 2462. Environmental Science, Carbon Mitigation, and Storage**
Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Angela Easby, University of Victoria
1:20 Lacey Willmott*, University of Waterloo, *The Value of Qualitative Methods In Municipal Solid Waste Management Research.*
1:40 Mohan B. B. Dangi, Ph.D.*, California State University, Fresno; Erica J. Mey, California State University, Fresno; Raquel A. Perez, California State University, Fresno; Cory D. Robbins, California State University, Fresno; Nicole N. Hoke, California State University, Fresno; Sergio Moreno, Jr., California State University, Fresno, *Evaluation of Green Waste Management in Fresno, California.*
2:00 Derek T. Robinson*, University of Waterloo; Li Zhang, University of Waterloo, *Comparison of assessment methodologies on carbon storage in northern Ontario.*
2:20 Toni A. Walkowiak*, Michigan State University, *Biomimicry projects: A framework for implementing these innovations.*
- 2463. Student Paper Competition Business Geography (Sponsored by Business Geography Specialty Group)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
ORGANIZER(S): Linda A. Peters, Esri
CHAIR(S): Linda A. Peters, Esri
1:20 Mengyao Zhang*, University of Connecticut; Debarchana Ghosh, University of Connecticut, *How can we attract customers? A multidimensional assessment of local grocery stores in Greater Hartford Area of Connecticut, USA.*
1:40 Ting Du*, University of Central Florida; Yingru Li, University of Central Florida, *Assessing the Impact of Retail Location on Hotel Development: A Spatio-Temporal Analysis of Manhattan Hotels 1820-2012.*
2:00 Claire Stone*, Texas State University - San Marcos, *Topgolf: Geospatial Management of an Entertainment Company.*
2:20 Nicholas Christopher Funari*, Texas State University - San Marcos, *Brookdale Senior Living: Geospatial Fundamentals.*
- 2464. Global health and the environment II: Research Funding & Policy Outreach (Sponsored by Human Dimensions of Global Change Specialty Group, Population Specialty Group, Health and Medical Geography Specialty Group)**
Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Panel Session)
ORGANIZER(S): David Lopez-Carr, UC Santa Barbara; Mei-Po Kwan, University of Illinois at Urbana-Champaign
CHAIR(S): David Lopez-Carr, UC Santa Barbara
Introducer: David Lopez-Carr
Discussant(s): Mei-Po Kwan, University of Illinois at Urbana-Champaign
Panelists: Tom Coates, University of California Global Health Institute; Xochi Castaneda, University of California, Berkeley; Kristen Yee, Grand Challenges Canada; Thomas J. Baerwald, National Science Foundation
- 2465. Mapping and Modeling Animal Geographies**
Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Dawn Nekorchuk, University of Florida
1:20 Jonathan C. Hall*, West Virginia University; Melissa Braham, West Virginia University; Joseph Brandt, U.S. Fish and Wildlife Service; Todd E. Katzner, U.S. Geological Survey; Tricia Miller, West Virginia University; Adam Duerr, West Virginia University; Michael Lanzzone, Cellular Tracking Technologies; Sharon Poessel, Boise State University; Andrew McGann, Cellular Tracking Technologies, *Gone to ground: foraging dynamics of California Condors (*Gymnogyps californianus*) in the human-dominated landscape of Southern California.*
1:40 Lillian Morris*, University of Florida, Spatial Epidemiology and Ecology Research Laboratory, Department of Geography, Emerging Pathogens Institute; Kelly M Proffitt, PhD, Montana Fish Wildlife and Parks; Jason K Blackburn, PhD, University of Florida, Spatial Epidemiology and Ecology Research Laboratory, Department of Geography, Emerging Pathogens Institute, *Mapping resource selection functions in wildlife studies: Concerns and recommendations.*
2:00 Julia Hicks*, University of Colorado at Boulder; Victoria Saab, Rocky Mountain Research Station - United States Forest Service; Patrick Kelly, University of Colorado at Boulder; Thomas T Veblen, University of Colorado at Boulder, *Spatiotemporal analysis of American three-toed woodpeckers and bark beetle outbreaks in the Rocky Mountains of Colorado.*
2:20 Jason K. Blackburn, PhD*, Spatial Epidemiology & Ecology Research Laboratory, Department of Geography, University of Florida; Katherine Saylor, PhD, Department of Wildlife, Ecology, and Conservation, University of Florida; Hannah Cutright, Spatial Epidemiology & Ecology Research Laboratory, Department of Geography, University of Florida; Nathan D. Burkett-Cadena, PhD, Florida Medical Entomology Lab, University of Florida; Bethany McGregor, MS, Florida Medical Entomology Lab, University of Florida; Samantha Wisely, PhD, Department of Wildlife, Ecology, and Conservation, University of Florida, *At the trough: evaluating deer movements and feeder usage during the epizootic hemorrhagic disease virus transmission period.*
2:40 Dawn M Nekorchuk, MSPH*, University of Florida; Lillian R Morris, MS, University of Florida; Kelly M Proffitt, Ph.D., Montana Department of Fish, Wildlife, and Parks; Wayne M Getz, Ph.D., D.Sc., University of California, Berkeley; Sadie J Ryan, Ph.D., University of Florida; Jason K Blackburn, Ph.D., University of Florida, *Resource Selection of Bison and Anthrax Management Implications in Southwest Montana.*

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- 2466. Episodic Fluvial Sedimentation and Geomorphic Responses: A Centennial Tribute to G.K. Gilbert, Part III (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**
Room: *Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)*
ORGANIZER(S): L Allan James, University Of South Carolina; Scott A. Lecce, East Carolina University
CHAIR(S): Francis J. Magilligan, Dartmouth College
1:20 Andrew B. Gray, PhD*, University of California - Riverside; Gregory B. Pasternack, PhD., University of California - Davis; Elizabeth B. Watson, PhD., Drexel University; Miguel A. Goni, PhD., Oregon State University; Jeff A. Hatten, PhD., Oregon State University; Jonathan A. Warrick, PhD., USGS Pacific Coastal and Marine Science Center, *Changing agriculture operations may obscure wildfire contributions to watershed sediment production.*
1:40 John Moody*, U.S. Geological Survey, *Complex Sediment Response in a Basin Disturbed by Wildfire.*
2:00 Jason Paul Julian*, Texas State University; Ioannis Kamarinas, Texas State University; Kirsten de Beurs, Oklahoma University; Braden Owsley, Oklahoma University; Robert J Davies-Colley, NIWA, *Twenty-five years of changes in agricultural production, land use/cover, and river water quality in New Zealand.*
2:20 Christopher Todd Kaase*, University of South Carolina, *Impacts of clear-cut logging on floodplain sedimentation rates and nutrient levels in a southeastern Coastal Plain bottomland hardwood forest.*
2:40 Mingjing Yu*, University of Illinois; Bruce L Rhoads, University of Illinois; Andrew Stumpf, Illinois State geological Survey, *Tracing suspended sediment sources in the Upper Sangamon River Basin using fingerprinting techniques.*
- 2467. SAM Student Paper Competition Session I**
Room: *Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)*
ORGANIZER(S): Heejun Chang, Portland State University; Debarchana Ghosh, University of Connecticut
CHAIR(S): Heejun Chang, Portland State University
1:20 Seda Salap-Ayca*, San Diego State University; Piotr Jankowski, San Diego State University, *Investigating the Effects of Neighborhood Schemes on Local Multi-Criteria Evaluation.*
1:35 Michael R Desjardins*, University of North Carolina at Charlotte, *Modeling Compactness in Reserve Design with Back-Up Requirements.*
1:50 Yujie Hu*, Louisiana State University; Fahui Wang, Louisiana State University, *Delineation of Hospital Service Areas and Hospital Referral Regions by Modularity Optimization.*
2:05 Huaiaren Ye*, University of Tennessee; Hyun Kim, University of Tennessee, *Locating healthcare facilities using a network-based covering location problem.*
2:20 Chuyuan Wang*, Arizona State University; Soe W. Myint, Arizona State University; Zhihua Wang, Arizona State University; Jiyun Song, Arizona State University, *Spatio-temporal Modeling of the Urban Heat Island in the Phoenix Metropolitan Area: Land Use Change Implications.*
2:35 Selena Roark*, East Tennessee State University; Timothy A. Joyner, East Tennessee State University, *Modeling potential hellbender salamander distribution under climate change scenarios.*
- 2468. Wellbeing and Community Change 2: Issues and impacts in Urban Renewal (Sponsored by International Geography, GIScience, and Urban Health Theme, Urban Geography Specialty Group)**
Room: *Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)*
ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas
- Wise
CHAIR(S): Nicholas Wise
1:20 Julie Clark, PhD*, University of Glasgow; Valerie Wright, PhD, University of Glasgow, *Community perceptions of Urban Regeneration: Reinventing the wheel or the secret of our success?.*
1:40 Amie Thurber, MSW*, Vanderbilt University, *The need for holistic community development in sites of neighborhood change.*
2:00 Tom Bolton*, University College London, *Wrong Side of the Tracks? London's Railway Neighbourhoods..*
2:20 Sungkyung Lee, Associate Professor*, College of Environment and Design, Univ. of Georgia, *Market modernization and the sense of place lost in transformation.*
2:40 Heather Ruth Sparks*, California State University, *Affordable Housing and Amenities Acces: Assessing the Low Income Housing Tax Credit's Potential to Change California's Housing Geography.*
- 2469. Health models for planning and preparedness (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel I, Hotel Nikko, 3rd Floor (Paper Session)*
ORGANIZER(S): Geography and Urban Health
CHAIR(S): Douglas Wiebe, University of Pennsylvania - Philadelphia, PA
1:20 Chetan Tiwari*, University of North Texas; Armin Mikler, PhD, University of North Texas; Martin O'Neill II, University of North Texas, *The REsponse PLAN ANalyzer (RE-PLAN) System for Bio-Emergency Preparedness Planning.*
1:40 Jason Kaufman*, Oak Ridge National Laboratory, *Evaluating Hospital Population Density Modeling.*
2:00 Youngseob Eum*, University At Buffalo; Eunhye Yoo, University At Buffalo, *Contextualization of GPS data with applications to epidemiological study.*
2:20 Paula Hooper, PhD, MSc, BSc (Hons)*, The University of Western Australia; Sarah Foster, PhD, The University of Western Australia; Matthew Knuiman, PhD, The University of Western Australia; Billie Giles-Corti, PhD, University of Melbourne, *Healthy Policy, Healthy Places, Healthy People? Identifying the key design features for health and well-being of the 'Liveable Neighbourhoods' planning policy in Perth, Western Australia.*
2:40 Douglas J. Wiebe, PhD*, University of Pennsylvania - Philadelphia, PA; David N. Karp, MUSA, University of Pennsylvania; Avi Baehr, BA, University of Pennsylvania; M. Kit Delgado, MD, University of Pennsylvania; Brendan G. Carr, MD MSc, Thomas Jefferson University, *Developing novel healthcare geographies to measure population-level health outcomes.*
- 2470. The Mont Pelerin Plague? Revisiting and Rethinking Neoliberalism I (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Carmel II, Hotel Nikko, 3rd Floor (Paper Session)*
ORGANIZER(S): Kean Birch, York University; Simon Springer, University of Victoria
CHAIR(S): Simon Springer, University of Victoria
1:20 Damien Cahill, PhD*, University of Sydney, *The Ideas-Centric Bias in Neoliberalism Studies.*
1:40 Andrew Davis*, University of North Carolina - Chapel Hill; Carolyn Hardin*, North Carolina State University, *Overcoming the State-Market Dichotomy: Neoliberalism as Corporate Sovereignty.*
2:00 Rajesh Venugopal*, London School of Economics, *Situating Neoliberalism and Pre-Neoliberalism.*
2:20 Kean Birch*, York University, *Struggling with neoliberalism.*

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- 2:40 Christopher Fortney*, University of Victoria, *Imbricating Neoliberalisms*.
- 2471. Spatializing the State in Border Studies (Sponsored by Political Geography Specialty Group)**
Room: *Golden Gate Room, Hotel Nikko, 25th Floor (Panel Session)*
 ORGANIZER(S): Reece Jones, University of Hawaii at Manoa; Corey Johnson, University of North Carolina - Greensboro
 CHAIR(S): Reece Jones, University of Hawaii at Manoa
 Introducer: Corey Johnson
 Panelists: Wendy Brown, University of California Berkeley; Polly Pallister-Wilkins, University of Amsterdam; Gabriel Popescu, Indiana University South Bend; Alison Mountz, Wilfrid Laurier University; Emily Gilbert, University of Toronto
- 2472. Anthropogenic impact on health ecology: an awakening (Sponsored by Human Dimensions of Global Change Specialty Group, Geography Education Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Bay View Room, Hotel Nikko, 25th Floor (Paper Session)*
 ORGANIZER(S): William Christopher Weston, Southern Illinois University, School of Medicine
 CHAIR(S): Brian Bossak, Florida Gulf Coast University
 1:20 Yukio Himiyama*, *International Year of Global Understanding (IGU) and Future Earth*.
 1:37 Anna-Meagan Fairley, MSc*, University of Nottingham, *And Then Comes Pestilence: The Risk of Disease after Disaster*.
 1:54 Graeme Lang, PhD*, retired; until retirement, Professor of Sociology, Department of Asian and International Studies, City University of Hong Kong, *Energy Futures and Urban Structure*.
 2:11 Brian Bossak, PhD, MPH*, Florida Gulf Coast University, *Spatiotemporal Characterization of Seismic Cyclic Pandemics prior to the Renaissance*.
 2:27 Ningchuan Xiao*, The Ohio State University; Rebecca Garabed, The Ohio State University; Mark Moritz, The Ohio State University; Hyeyoung Kim, The Ohio State University; Laura W Pomeroy, The Ohio State University, *Assessing the impacts of mobility in the transmission of foot-and-mouth disease in Far North Region, Cameroon*.
- 2473. Global Urban Observation: Towards Sustainable Cities (III) - Natural and Human Ecosystems (Sponsored by Remote Sensing Specialty Group)**
Room: *Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)*
 ORGANIZER(S): Qihao Weng, Indiana State University; Wenliang Li, University of Wisconsin-Milwaukee; Yingbin Deng, u of Wisconsin Milwaukee
 CHAIR(S): Chengbin Deng, Binghamton University, SUNY
 1:20 Yuanfan Zheng*, Indiana State University; Qihao Weng, Indiana State University, *Evaluation of the Spatial Relationship Between GIS-based and Remotely Sensed Anthropogenic Heat Discharge in Los Angeles County, USA*.
 1:40 Qi Yang*, George Washington University; Ryan Engstrom, George Washington University, *Examining the Relationship Between Spatial Features Derived from High Spatial Resolution Imagery and Census Variables in Accra, Ghana*.
 2:00 Nthaduleni Samuel Nethengwe, Ph.D, University of Venda, Thohoyandou, South Africa; Olujimi Agbolahan Osidele*, University of Venda, Thohoyandou, South Africa; Farai Dondofema, MSc, University of Venda, Thohoyandou, South Africa, *Analysing Patterns and Trends of Road Traffic Accident in Vhembe District Municipality, South Africa*.
 2:20 John Dialesandro*, New Mexico State University; Michaela Buenemann, Phd, New Mexico State University, *Seasonal variations in the relationships between land surface temperature and land cover along an urban-rural gradient*.
- 2:40 Chengbin Deng*, State University of New York at Binghamton, *Mapping sub-pixel urban cover distribution by linear unmixing of MODIS 1-km time series*.
- 2474. Linguistic Geography 3 (Sponsored by Graduate Student Affinity Group, Cultural Geography Specialty Group)**
Room: *Bellevue Room, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Catherine E. Lee, University of Hawaii at Manoa
 CHAIR(S): Catherine E. Lee, University of Hawaii at Manoa
 1:20 THOR A. SAWIN*, Middlebury Institute of International Studies, *Spaces over places: Density and distribution in sociolinguistic analyses*.
 1:40 Karen M Wertz*, Florida State University, *Florida County-Level Emergency Management and Linguistically Isolated Households: A Spatial Study*.
 2:00 Catherine Porter, Dr.*, Lancaster University; Ian Gregory, Professor, Lancaster University; Paul Atkinson, Dr., Lancaster University, *Investigating the temporal and spatial representation of disease in nineteenth-century British newspapers through text analysis and Geographic Information Systems*.
 2:20 Bradley Rentz*, University of Hawaii - Manoa, *Topological Relations in Pohnpeian*.
 2:40 Catherine E. Lee*, University of Hawaii at Manoa, *Aloha 'Aina: A Geosemiotic Analysis of the Mauna Kea Protectors' Movement*.
- 2475. Deborah Dixon's Feminist Geopolitics: Material States - panel discussion**
Room: *Paris North, Marker Hotel, Lobby Level (Panel Session)*
 ORGANIZER(S): Joanne P. Sharp, University of Glasgow
 CHAIR(S): Joanne P. Sharp, University of Glasgow
 Discussant(s): Joanne P. Sharp, University of Glasgow; Lorraine Dowler, Penn State University; Natalie Oswin, McGill University; Jill Williams, Southwest Institute for Research on Women; Juanita Sundberg, University of British Columbia; Deborah Dixon, University of Glasgow
- 2476. PREM: Critical Penal Geographies III: Policing, Settler Colonialism, and Race (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Paris South, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Ted Rutland, Concordia University; Judah Schept, Eastern Kentucky University - Richmond, KY; Jennifer Ridgley, Carleton University
 CHAIR(S): Ted Rutland, Concordia University
 1:20 Jasbinder Nijjar*, Brunel University London, *Race, empire and policing in Britain: Examining the history of the 'colonial dimension' of the Metropolitan Police Service*.
 1:40 Jennifer Ridgley*, Carleton University, *Policing the Settler Colonial City: "Human Trafficking" and the Changing Geography of Immigration Law Enforcement in Canada*.
 2:00 Aaron James Henry, BA, MA, PhD (ABD)*, Carleton University, *They Were Far From White Men: Distance, Criminal Justice and Colonialism in Canada (1900-1920)*.
 2:20 Catherine Guimond*, San Francisco Art Institute, *Evicting "Crackheads and Illegals": Race, Policing, and Uneven Development in the Bronx*.
 Discussant(s): Ted Rutland, Concordia University
- 2477. The emerging geographies of infrastructure : regulation, distributed decisions and innovation in governance 2. Urban infrastructure governance (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Energy**

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- and Environment Specialty Group)**
Room: *Athens North, Marker Hotel, Lower Level (Paper Session)*
ORGANIZER(S): Phil Johnstone, University of Sussex; Ralitsa Hiteva, SPRU, University of Sussex; Katherine Lovell, University of Sussex
CHAIR(S): Ralitsa Hiteva, SPRU, University of Sussex
1:20 Candace Partridge*, University College London; Francesca Medda, PhD, University College London, *Using Green Municipal Bonds to Finance Smart City Infrastructure.*
1:40 Daniel Florentin*, LATTs, *Shrinking demand regime: an emerging model of infrastructure?*
2:00 Andreeanne Doyon*, The University of Melbourne, *Innovation in infrastructure and land use: the case of live/work.*
2:20 Margot Weijnen*, Delft University of Technology; Aad Correljé, Dr., Delft University of Technology, *The emerging role of cities in infrastructure governance.*
Discussant(s): Andy Pike, Newcastle University
- 2478. Hazards Risks and Disasters 3: Resilience and Recovery (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Athens South, Marker Hotel, Lower Level (Paper Session)*
ORGANIZER(S): Tim G. Frazier, University of Idaho; Eric Tate, University of Iowa
CHAIR(S): Tim G. Frazier, University of Idaho
1:20 Nicole Suzanne Hutton*, University of South Florida; Graham A Tobin, PhD, University of South Florida; Linda M Whiteford, PhD, University of South Florida, *Modeling Non-Profit Resilience in Long-Term Recovery in Christchurch, New Zealand.*
1:40 Aparna Kumari*, University Of Idaho; Tim Frazier, Binghamton University, *Analyzing capabilities of institutional social capital for long term disaster recovery: A case study of Manatee County, Florida.*
2:00 Jason Michael Evans*, Stetson University; Jessica Whitehead, North Carolina Sea Grant; Jill Gambill, University of Georgia; Mathew Hauer, University of Georgia; Thomas Ruppert, Florida Sea Grant; Elizabeth Fly, South Carolina Sea Grant, *The rising tide and "duct tape adaptation:" Vignettes of resilience planning across the southeast United States.*
2:20 Lori Robin McLaughlin*, American University, *Predicting Disaster: Resource Scarcity and Community Resilience.*
- 2479. Geography of Historic Conservation I (Sponsored by Paleoenvironmental Change Specialty Group, Historical Geography Specialty Group, Geomorphology Specialty Group)**
Room: *Vienna North, Marker Hotel, Lower Level (Paper Session)*
ORGANIZER(S): Gregory A. Pope, Montclair State University
CHAIR(S): Deborah Chatr Aryamontri, Montclair State University
1:20 Nicolas Anthony Zarro*, Montclair State University; Deborah Chatr Aryamontri, PhD, Montclair State University; Gregory Pope, PhD, Montclair State University; Matthew Gorring, PhD, Montclair State University, *Analysis of Roman Mosaic Glass Tesserae from the Villa of the Antonines Using Scanning Electron Microscopy, Energy-Dispersive X-ray Techniques, and Inductively Coupled Plasma Optical Emission Spectrometry.*
1:40 Salvatore Zerbo*, Montclair State University; Gregory A Pope, PhD, Montclair State University; Deborah Chatr Aryamontri, PhD, Montclair State University; Giuseppina Ghini, PhD, Funzionario Archeologo, Soprintendenza Archeologia del Lazio e dell'Etruria Meridionale, *An Analysis of Fire Weathering of Marble.*
2:00 Gregory A. Pope, Ph.D.*, Montclair State University; Deborah Chatr Aryamontri, Ph.D., Montclair State University; Timothy Renner, Ph.D., Montclair State University, *Many footsteps: Assessing the durability of historic paving stones with geomorphic methods.*
2:20 Christian Piazza*, San Jose State University; Daniel G Cearley, MA., Foothill College, *Mapping Culture: Archaeology in the Santa Cruz Mountains.*
2:40 L Jesse Rouse*, UNC Pembroke, *From the surface down: spatial perspectives and technologies that support cultural heritage understanding and interpretation.*
- 2480. Preparing, submitting and revising an article: Three editors speak out (Sponsored by The Canadian Geographer, Geographical Review, and the Journal of Urban Affairs) (Sponsored by Wiley)**
Room: *Vienna South, Marker Hotel, Lower Level (Paper Session)*
ORGANIZER(S): Igor Vojnovic, Michigan State University; David H. Kaplan, Kent State University; Nadine Schuurman, Simon Fraser University
CHAIR(S): Igor Vojnovic, Michigan State University
Discussant(s): Igor Vojnovic, Michigan State University; David H. Kaplan, Kent State University; Nadine Schuurman, Simon Fraser University
- 2481. Urban transformation processes: The role of flagship architecture as urban generator 3- The cultural-sociological dimension (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Caracas, Marker Hotel, Lower Level (Paper Session)*
ORGANIZER(S): Nadia Alaily-Mattar, Munich University of Technology; Alain Thierstein, Munich University of Technology; Johannes Dreher, Technical University Munich
CHAIR(S): Nadia Alaily-Mattar, Munich University of Technology
1:20 Dominik Bartmanski, Ph.D.*, TU Berlin; Martina Löw, Professor, TU Berlin, *The 'Bilbao Effect' Revisited: Sociological Impact of 'Star Architecture' on Small Cities.*
1:40 Xin Yi*, Southeast University, *Olympic Games in Beijing and related influences in spatial development issues.*
2:00 Brendan Murtagh*, Queens University Belfast; Lindsey Mullan*, Queen's University Belfast, *The UK City of Culture 2013: Tourism, conflict and culture.*
2:20 Christopher Gaffney*, University of Zurich, *Geo-porn: selling the city through mediated spectacle.*
Discussant(s): Anne-Marie Broudehoux, University of Quebec at Montreal
- 2482. Desiring Politics and the Politics of Desire 3: Unsettling Desires (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: *Beijing, Marker Hotel, 2nd Floor (Paper Session)*
ORGANIZER(S): Beyhan Farhadi, University of Toronto; David K. Seitz, University of Toronto
CHAIR(S): David K. Seitz, University of Toronto
1:20 Eleanor Wilkinson*, University of Southampton, *Don't talk to me about love: Outlaw emotions and the politics of collective joy.*
1:40 Lisa Cooke*, Thompson Rivers University, *Unsettling Pleasure and The Ground Under Our Feet (and Skis): Carving 'Turns' at Sun Peaks Resort..*
2:00 Jan Simon Hutta*, Bayreuth University, *The Affectivity of Power: Queer Desires and Political Struggles in Brazil's Baixada Fluminense.*
2:20 Carly Nichols*, University of Arizona, *1000 Days is Forever: The Gendered and Affective Politics of Nutrition Interventions in India.*
Discussant(s): Francis L. Collins, University of Auckland

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- 2483. Decolonial Futures I**
Room: *Metropolitan A, JW Marriott Hotel, 2nd Floor* (Panel Session)
 ORGANIZER(S): Margaret Marietta Ramirez, University of Washington, Seattle; Michelle D. Daigle, University of Washington
 CHAIR(S): Margaret Marietta Ramirez, University of Washington, Seattle
 Panelists: Angela R. Aguilar, UC Berkeley; Michelle D. Daigle, University of Washington; Angela Rose Fernandez, University of Washington; Jessica Hallenbeck, University of British Columbia; Madeline Whetung
- 2484. Middle-Class Cities of the Global South? 1: Building Middleclassness (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**
Room: *Metropolitan B, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Ryan Centner, London School of Economics; Harry Pettit, London School of Economics
 CHAIR(S): Ryan Centner, London School of Economics
 Introducer: Harry Pettit
 1:40 David Navarrete Escobedo*, Universidad De Guanajuato, *Middle class and tourism in the socio-spatial transformation in central areas of Mexico City.*
 2:00 William Buckingham, PhD*, University of Washington, *Assimilation or Integration? Producing Suburbia in Wuhan City, China.*
 2:20 Julien Migozzi*, Grenoble Alpes University - UMR Géographie-Cités, *Real estate market and social change in Cape Town: places, faces and values of the South African middle-class.*
 2:40 Sylvia Nam*, University of California, Irvine, *City for Sale: Competing Real Estate Values in Phnom Penh.*
- 2485. Fulfilling the promise of anarchist geographies III: visions, hopes and challenges (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Metropolitan C, JW Marriott Hotel, 2nd Floor* (Panel Session)
 ORGANIZER(S): Simon Springer, University of Victoria; Richard White, Sheffield Hallam University; Anthony Ince, Cardiff University
 CHAIR(S): Richard White, Sheffield Hallam University
 Panelists: Ana Paula Pimentel Walker, University of Michigan, Ann Arbor; Pierpaolo Mudu, University of Washington - Tacoma; Nicholas Jon Crane, Ohio Wesleyan University; Nathan L. Clough, University of Minnesota, Duluth; Carrie Mott, University of Kentucky
- 2486. Geopolitical Representation, Culture, and Territoriality III (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, European Specialty Group)**
Room: *Salon I, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Kara Dempsey, Appalachian State University
 CHAIR(S): Daniel Bos
 1:20 Daniel Bos*, Nottingham University, *Representing a Militarised Worldview: Exploring videogame cutscenes.*
 1:40 Brian Gilson*, Oklahoma State University, *Ethno-Symbolism and Government Discourse in Azerbaijan.*
 2:00 Alexandra Giancarlo*, Queen's University; Alexandra Giancarlo, Queen's University, *Cattle Ranching, Rodeos, and Trail Riding: Modern-Day Expressions of the Historical Black Cowboy Culture of Louisiana and Texas.*
 2:20 Fernando Galeana, MA*, Cornell University, *Indigenous Territoriality in the Honduran Muskitia: Participatory Mapping, Social Movements, and Agrarian Change.*
 2:40 Souyeon Nam*, Texas A&M Univ., *NICs Political Ecology of the Commons: Competing Ownership of Rural Landscapes in South Korea.*
- 2487. Gentrification: Mutated or Eclipsed? I: Scales and State Powers**
Room: *Salon II, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): John Stehlin, University of California, Berkeley; Rachel Brahinsky, University of San Francisco
 CHAIR(S): Anna Kim
 1:20 Kathe Newman*, Rutgers University, *Intermediation, Liquidity, and the Urban.*
 1:40 John Stehlin*, University of California, Berkeley, *Gentrification as Blocked Creative Destruction: Scale and Politics in the Remaking of the Built Environment.*
 2:00 Marit Rosol*, Goethe Universität Frankfurt; Sebastian Schipper*, Goethe-University Frankfurt a.M., *State-led-gentrification in previously 'un-gentrifiable' areas: Examples from Vancouver, Canada, and Frankfurt, Germany.*
 2:20 Kate Shaw, Dr*, University of Melbourne, *The underbelly of Melbourne Docklands: it's a class remake but it ain't classy.*
 2:40 Anna Kim*, Georgia Institute of Technology; Carolina Sarmiento, University of Madison-Wisconsin, *The "Sharing Economy" and its Impact on Immigrant Neighborhoods.*
- 2488. Sharing in/on sharing: socio-spatial, temporal and technological transitions 3 (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
Room: *Salon III, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Helen C. Jarvis, University of Newcastle Upon Tyne; Mike Crang, Durham University
 CHAIR(S): Donald McNeill, University of Western Sydney
 1:20 Helen C. Jarvis, PhD*, University of Newcastle Upon Tyne, *From fast technology to slow sharing: competing views of gentrification, collaboration and alternative dwelling in the San Francisco Bay Area.*
 1:40 Sophie-May Kerr*, University of Wollongong Press, *Sharing space and transitioning towards compact living: exploring the experiences of families with children living in apartments in Sydney, Australia.*
 2:00 Martin Zaltz Austwick*, Centre for Advanced Spatial Analysis, University College London; Hannah Sender, Institute for Global Prosperity, University College London; Emma Terama, Institute for Sustainable Resources, University College London; William Chamberlain, Hackney Wick and Fish Island Cultural Interest Group; Carina Schneider, Bartlett Faculty for the Built Environment, University College London; Kimberley Townsend, Public Engagement Unit, University College London, *The Sharing Economy in the Creative Wick: East London informal economies.*
 2:20 Sophia Bowlby*, University of Reading, *Sharing, caring and 'community' in midlife.*
 Discussant(s): Mike Crang, Durham University

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Poster Sessions for Wednesday are located on pages 158-165.

- 2501. The Architecture of Capital 4: History**
Room: *Golden Gate 1, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Adam Kaasa, Royal College of Art; Pushpa Arabindoo, University College London
 CHAIR(S): Pushpa Arabindoo, University College London
3:20 Renee Tapp*, Clark University, *Modernism's Last Stand: architecture, the avant-garde, and the state.*
3:40 Nina Gribat*, TU Berlin, *From Systems Theory to Marx and Lenin: architecture reform and revolt at German universities in the 1960s.*
4:00 Richard Bower, Ph.D*, University of Central Lancashire, *The Production of Emancipatory Architecture in the work of John Turner - A Spatial Realisation of Lefebvre's Concepts of Autogestion?.*
4:20 Craig Lee*, University of Delaware, *Speculative Skyline: Outdoor Advertising, Architecture, and Capitalism in Early Twentieth Century New York.*
4:40 Simone Veglio*, King's College London, *The Paris Of South America: Buenos Aires (1880-1930), a Postcolonial Frontier.*
- 2502. Higher Education Program & Curriculum A (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)**
Room: *Golden Gate 2, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Susy Svatek Ziegler, Northern Michigan University
3:20 Sylvia Arriaga Brady, MA, MS*, University of Denver; Erika Trigos, PhD, University of Denver, *An Honors Geography Classroom: Engaging the fast and curious.*
3:40 Jennifer J. Johnson*, Ferris State University, *Thinking Spatially about Classroom Design: Experiences from the Ferris State University Learn Lab.*
4:00 Bingqing Liang*, University of Northern Iowa; Andrey Petrov, University of Northern Iowa, *UNI IDREHSI: Best Practices for Running an Undergraduate Research Experience Program.*
4:20 John A. Menary*, California State University Dominguez Hills, *Are Universities Unhealthy Places or Symptoms of an Unhealthy Landscape?.*
4:40 Susy Svatek Ziegler*, Northern Michigan University, *Promoting Geography as the Umbrella for Majors in Earth, Environmental and Geographical Sciences.*
- 2503. The economy of cities: 09 Business of cities**
Room: *Golden Gate 3, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): John Miron, University of Toronto
 CHAIR(S): Diana Mok, The University of Western Ontario, Dept. Of Geography
3:20 James Hans Lenzer, PhD*, University of Hong Kong, *The spatial agglomeration of entrepreneurial hedge fund firms in Hong Kong and Singapore.*
3:40 Shiyi Liu*, The University of Hong Kong, *Local public finance and China's urban land expansion.*
4:00 Keegan Williams*, Harvard University; Bessma Momani, University of Waterloo, *The Determinants of Multinational Management Consulting Firm Location and Clustering: a Spatio-Temporal Analysis, 1917-Present.*
4:20 Stephen Volan*, Indiana University Dept. of Geography, *Fiat Urbs: Campuses As Cities.*
4:40 Sinead Kelly, Dr.*, Department of Geography, Maynooth University, *Financial Re-Engineering in Post-Crash Cities: the role of private-equity companies in Dublin's political economy.*
- 2504. Fostering Sustainability in the Tropics II**
Room: *Golden Gate 4, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Claudia Stickler, Earth Innovation Institute; David Gibbs McGrath, Earth Innovation Institute; Maria DiGiano, Earth Innovation Institute
 CHAIR(S): Maria DiGiano, Earth Innovation Institute
3:20 Maria DiGiano*, Earth Innovation Institute; Claudia Stickler, PhD, Earth Innovation Institute, *Barriers and opportunities for greater inclusion of indigenous peoples and traditional communities in Low Emission Rural Development in the Tropics.*
3:40 Mario Osorio*, Instituto del Bien Común, *Facing deforestation from and by local concerns in Peruvian amazon.*
4:00 Laura A Sauls*, Clark University; Susan Kandel, PRISMA; Andrew Davis, PRISMA, *Mitigation, land rights, and territorial autonomy: examining emerging institutional frameworks for REDD+ in Mesoamerica.*
4:20 Maria Teresa Becerra*, Earth Innovation Institute; Rodrigo Botero, Fundación para la Conservación y el Desarrollo Sostenible; Maria Helena Cendales, Earth Innovation Institute; Maria DiGiano, PhD, Earth Innovation Institute; Claudia Stickler, PhD, Earth Innovation Institute; Maria Elvira Molano, Fundación para la Conservación y el Desarrollo Sostenible, *Indigenous Peoples in the Colombian Amazon and strategies for reducing emissions from deforestation.*
 Discussant(s): Maria DiGiano, Earth Innovation Institute
- 2505. Economic Geography VIII - Benefits of Equality, Tolerance, and Ethnic Diversity (Sponsored by Economic Geography Specialty Group)**
Room: *Golden Gate 5, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Thomas Kemeny, University of Southampton; Helen Lawton Smith, Birkbeck University of London
 CHAIR(S): Dieter Franz Kogler, University College Dublin
3:20 Marte Cecilie Wilhelmsen Solheim*, University of Stavanger, *Do ethnically diverse firms collaborate with partners that are more diverse?.*
3:40 Abigail Cooke*, University At Buffalo; Thomas Kemeny, University at Southampton, *Openness to Diversity: Who Benefits from Immigrant Diversity by Age and Political Context?.*
4:00 Bram Timmermans, Agderforskning and Aalborg University; Christian R. Oestergaard*, Aalborg University; Rune Dahl Fitjar, University of Stavanger; Marte Solheim, University of Stavanger, *Workplace Segregation, Ethnic Diversity, and Innovation.*
4:20 Neil Lee*, London School of Economics, *Personality traits, institutions and regional economic performance.*
4:40 Thomas Kemeny, Ph.D*, University of Southampton; Abigail Cooke, Ph.D, SUNY Buffalo, *Urban Immigrant Diversity and Inclusive Institutions.*
- 2506. Unmanned Aerial Vehicles and Mapping Processes in Cultural Heritage and Environmental Management**
Room: *Golden Gate 6, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Anthony Cummings, University of Texas at Dallas; Jaime Paneque-Gálvez, Universidad Nacional Autonoma De Mexico
 CHAIR(S): Anthony Cummings, University of Texas at Dallas
3:20 Arlo McKee*, Consulting Geoscientist / University of Texas At Dallas, *The Application of Unmanned Aerial Vehicle Photogrammetric Surveying for Prehistoric Archaeological Investigations in Texas.*
3:40 Jaime Paneque-Gálvez*, Universidad Nacional Autónoma de México, *Using small drones for community mapping and monitoring in indigenous territories. Lessons from initial experiences in Latin America.*
4:00 Donna M. Delparte*, Idaho State University; Travis Stone, Shoshone-Bannock Tribes; Kristy L.S. Bly, World Wildlife Fund; Ron Behrendt, Behron and Associates; Michael Kinsey, Fort Belknap Fish and Wildlife Department; Maegan Tracy, Idaho State University; Matt Belt, Idaho State University, *Wildlife Habitat*

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- Monitoring with Unmanned Aircraft Systems on Tribal Lands.*
- 4:20** Charles W. Emerson*, Western Michigan University; Robert L Anemone, University of North Carolina at Greensboro; Junshan Liu, Auburn University; Tyler Jones, Auburn University, *Developing Photogrammetric and LIDAR-based 3D Digital Outcrop Models of an Eocene Mammalian Fossil Locality.*
- 4:40** Anthony Cummings*, University of Texas at Dallas, *The Role of Unmanned Aerial Vehicles in Facilitating Community Participation in REDD+.*
- 2507. Unpacking Global Value Chains 1: Ports, Logistics, Labour and Chain Drivers.**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Renata Cavalcanti Muniz, Institute of Social Studies of Erasmus University
 CHAIR(S): Wouter Jacobs, RHV- Erasmus University Rotterdam
3:20 Alessandro Maggioni*, Institute d'Etudes Politiques, Sciences Po, Paris, *The Governance of Urban Logistics Infrastructures Facing the Local Impact of Logistic Revolution.*
 Discussant(s): Wouter Jacobs, RHV- Erasmus University Rotterdam
- 2508. Urban agriculture: interdisciplinary perspectives on urban form and planning**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Imogen Bellwood-Howard, Georg-August Universität Göttingen
 CHAIR(S): Antoinette MGA. WinklerPrins, Johns Hopkins University
3:20 Coline Perrin*, INRA (National Institute for Agricultural Research); Christophe Soulard, INRA (National Research for Agricultural Research), *Reconnecting agriculture and the cities: what are the characteristics of the innovation processes?.*
3:40 Tiffany Tsui*, Erasmus University; Ronald S. Wall, Dr., IHS, Erasmus University, *A System Dynamics Framework for Resilient Urban Food Systems.*
4:00 Efrat Eisenberg, Technion, Israel Institute of technology; Tal Alon-Mozes*, Technion-Israel Institute of Technology, *The emergence of urban agriculture as part of new urban governance constellation: Allotment and farm gardens in Israeli cities.*
4:20 Imogen Bellwood-Howard*, Georg-August Universität Göttingen; Martina Shakya*, Ruhr-Universität Bochum, Institute of Development Research + Development Policy, *Context Specificity in West African Urban and Peri-Urban agriculture: A Rationale for Interdisciplinary Investigation.*
4:40 Christophe Soulard*, INRA; Ophelie Robineau, CIRAD, *Understanding the complexity of city-agriculture interactions. The "agri-urban system" of Bobo-Dioulasso, West Africa..*
- 2509. Territory Politics Governance Annual Lecture: Saskia Sassen (Sponsored by Routledge)**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Sally Hardy, Regional Studies Association
 CHAIR(S): Martin Jones, University of Sheffield
3:20 Saskia Sassen, Columbia University
- 2510. Case studies on Mapping Secondary Cities (Sponsored by AAG Mapathon)**
Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Melinda J. Laituri, Colorado State University
 CHAIR(S): Melinda J. Laituri, Colorado State University
 Panelists: Kirstin Miller, Ecocity Builders; Melinda J. Laituri, Colorado State University; Nama Raj Budhathoki, Kathmandu Living Labs
- 2511. People, Biota and the Environment in Cultural History: Honoring Daniel Gade 2 (Sponsored by Cultural and Political Ecology Specialty Group, History of Geography Specialty Group, Historical Geography Specialty Group)**
Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Gregory W. Knapp, University Of Texas - Austin; Kent Mathewson, Louisiana State University
 CHAIR(S): Kent Mathewson, Louisiana State University
3:20 Michael K. Steinberg*, University of Alabama, *Hyenas to Highlands: The Land Ethic in Dan Gade's Research.*
3:40 Frederick W. Sunderman, Ph.D.*, Saginaw Valley State University, *Hardscrabbling the Heights: Daniel Gade's Mentorship through Local Geography at the University of Vermont.*
4:00 Nigel J R Allan, Ph.D.*, UC Davis, *Following Dan Gade's Intellectual Excursions to Europe and Eastward.*
4:20 Peter H. Herlihy*, University of Kansas, *Daniel W. Gade's Academic Mentoring: The "Education of a Geographer".*
4:40 Kent Mathewson*, Louisiana State University, *Four Continents, Five Decades: Dan Gade, Master Cultural Geographer.*
- 2512. The James R. Anderson Distinguished Lecture, Applied Geography: Extending it's Reach through GIS (Sponsored by Applied Geography Specialty Group, AAG Jobs and Careers Theme)**
Room: Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Linda A. Peters, Esri
 CHAIR(S): Timothy L. Hawthorne, University of Central Florida
3:20 William E. Derrenbacher, Esri
- 2513. Rivers and Flooding**
Room: Continental 3, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Bimal Kanti Paul, Kansas State University
3:20 Junfeng Gao*, Nanjing Institute of Geography & Limnology, *Regional streams and rivers assessment in East China.*
3:40 Peng Gao*, University of South Carolina; Gregory J Carbone, Department of Geography, University of South Carolina; Junyu Lu, Department of Geography, University of South Carolina, *The Influence and Implications of a single extreme event on Intensity-Duration-Frequency (IDF) curves in South Carolina.*
4:00 Mohamed Babiker Ibrahim, Dr.*, Hunter College - CUNY, *Tuti Island of Sudan: A Winner of the UN Disaster Risk Reduction Award.*
4:20 Bimal Kanti Paul*, Kansas State University; Sharif Mahmood, Kansas State University, *Selected Physical Parameters as Determinants of Flood Fatalities in Bangladesh, 1972--2013.*
- 2515. The Dark Matter of the Urban: Forces, densities, velocities, affects, and more PART IV**
Room: Continental 5, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Michele Lancione, University of Cambridge; Francisco Calafate-Faria
 CHAIR(S): Francisco Calafate-Faria
3:20 Michele Lancione*, University of Cambridge, *Urban Dark Matter: A Geographical Exploration..*
3:40 Adrienne J. Cohen*, Yale University, *Improvising the Urban: Dance, Infrastructure, and Social Transformation in the Republic of Guinea.*
4:00 Christian Von Wissel*, Goldsmiths, University of London, *Urban labour: The 'dark matter' of urban corporal practice.*
4:20 Christine Hentschel*, Hamburg University, *Marking the Dark.*
 Discussant(s): Alex Vasudevan

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- 2516. Symposium on Physical Geography: Challenges of the “Anthropocene” I: Plenary Opening Session (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Climate Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme)**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Anne Chin, University of Colorado Denver; Timothy Beach, University of Texas at Austin
 CHAIR(S): Anne Chin, University of Colorado Denver
 Introducer: Anne Chin
3:30 Glen M. MacDonald, Ph.D.*, UCLA, *The End of the Anthropocene.*
 Introducer: Timothy Beach
4:10 William F. Ruddiman, Dr.*, University of Virginia, *Late Holocene climate: Natural or Anthropogenic?.*
- 2517. How do we ‘do’ military studies 1: Military institutions, terror and the media (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group)**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Alice Cree, Durham University; Bethany Ysabel Cuffe-Fuller
 CHAIR(S): Aaron Belkin, Palm Center
 Introducer: Alice Cree
3:40 Roxana-Talida Roman*, University of Birmingham, *The material culture of terrorism in a diachronic perspective.*
4:00 James Der Derian*, University of Sydney/CISS; James Der Derian, Director, University of Sydney/CISS, *Project Z: The Final Global Event.*
4:20 Vincent Monier*, Laboratoire Lab’Urba, *How to deal with the military institution and with its influence on military city ports ?.*
 Discussant(s): Aaron Belkin, Palm Center
- 2518. Dendrochronology III: Disturbance Ecology (Sponsored by Biogeography Specialty Group)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Trevis J. Matheus, Indiana University; Aquila Flower, Western Washington University
 CHAIR(S): Aquila Flower, Western Washington University
3:20 Maria O. Ivanova*, CUNY College of Staten Island; Athanasios Koutavas, CUNY College of Staten Island; Kara K.L. Costanza, University of Maine; Neil A. Toth, Indiana State University; Natalie L. Erlenbaugh, Indiana State University; Lihoshimar P. Gonzalez, Wesley College Delaware; Tessa J. Hill, Wesleyan University; Eleanor F. Jones, Saint Lawrence University; Wen Lin, North Carolina State University; Gary L. Patterson, Indiana State University; Joshua M.A. Savoy, University of Maine; Jessie E. Simpson, Canadian Forest Service; Pam L. Wells, University of Maine, *Spruce Budworm Reconstruction Using 19th Century Reclaimed Lumber from Maine.*
3:40 Tom Saladyga*, Concord University, *Fire History of a Globally Rare Ridgetop Acidic Barrens Complex.*
4:00 Todd Ellis*, WWU; Aquila Flower, advisor / co-author, *Controlling factors of western spruce budworm outbreaks in the Okanogan Highlands.*
4:20 Monica T. Rother, PhD*, Tall Timbers Research Station & Land Conservancy; Jean Huffman, PhD, Tall Timbers Research Station & Land Conservancy, *Fire history of a longleaf pine (Pinus palustris) woodland in the Red Hills Region.*
4:40 Aquila Flower, PhD*, Western Washington University, *Three Centuries of Synchronous Forest Defoliator Outbreaks in Western North America.*
- 2519. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 1 of 3) (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Thomas J. Baerwald, National Science Foundation
 CHAIR(S): Thomas J. Baerwald, National Science Foundation
 Discussant(s): Holly M. Hapke, National Science Foundation; Sunil Narumalani, National Science Foundation; Thomas J. Baerwald, National Science Foundation
- 2520. Sessions in honor of Cort Willmott, II: Modeling and surface fluxes. (Sponsored by Climate Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Brian Hanson, University of Delaware; Katherine Klink, University of Minnesota
 CHAIR(S): Katherine Klink, University of Minnesota
3:20 Steven M Quiring*, Texas A&M University, *Smart Interpolation of Soil Moisture in the United States.*
3:40 Michael A Rawlins*, Department of Geosciences, University of Massachusetts - Amherst; Raymond S Bradley, Department of Geosciences, University of Massachusetts - Amherst; Henry F Diaz, NOAA/ESRL/Cooperative Institute for Research in Environmental Sciences; John S Kimball, Numerical Terradynamic Simulation Group, College of Forestry and Conservation, The University of Montana; David A Robinson, Department of Geography, Rutgers University, *Projected Reductions in Frozen Season Length Across North America.*
4:00 Patricia Lawston*, University of Delaware, *Assessment of Irrigation and Wind Turbine Wake Effects on Land-Atmosphere Interactions in a Desert Regime using High-Resolution Model Simulations.*
4:20 Tianna A. Bogart, PhD*, Frostburg State University, *Modeled climatological impact of urban development in the Indian Subcontinent.*
4:40 Katherine Klink*, University of Minnesota, *Can Urban Farms Help Ameliorate the Urban Heat Island?.*
- 2521. The Politics and Ethics of Vulnerability: Exploring Methodologies for Rights and Justice-Based Research and Praxis I (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)**
Room: Franciscan B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Audra El Vilaly, The University of Arizona; Azita Ranjbar, Pennsylvania State University
 CHAIR(S): Azita Ranjbar, Pennsylvania State University
 Discussant(s): Amy Ross, University Of Georgia, Athens
 Panelists: Aparna Parikh, Pennsylvania State University; Jessie Hanna Clark, University of Nevada; Mario Bruzzone, University of Wisconsin-Madison; Natasha Fox; Miriam Gay-Antaki, University of Arizona; Audra El Vilaly, The University of Arizona
- 2524. Annual CAPE “James M. Blaut” Plenary Lecture, by Seth Holmes (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Imperial A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign
 CHAIR(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign
3:20 Seth M. Holmes, PhD, MD*, University of California - Berkeley, CA; Seth M. Holmes, PhD, MD, University of California, Berkeley, *Fresh Fruit, Broken Bodies: Migrant Farmworkers in the United States.*

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- 2525. GeoHumanities Event II: The Past Made Present**
Author - meets - critics on David Lowenthal's new book *The Past Is a Foreign Country - Revisited* - Featured Session
Room: Imperial B, Hilton Hotel, Ballroom Level (Panel Session)
 Organizer: **Douglas Richardson**, American Association of Geographers
 Speaker: **David Lowenthal**, University College
 Panelists:
Diana K. Davis, University of California, Davis
Marie D. Price, George Washington University
Dydia DeLyser, California State University, Fullerton
Alexander B. Murphy, University of Oregon
- 2526. The Environment as a Profession (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Drew Lehman
 CHAIR(S): Drew Lehman
 Discussant(s): Xantha Brusco, PG&E; Yolanda Manzone, San Francisco Public Utilities Commission; Sabrina Drill, UCLA; Peter Vorster, The Bay Institute; Tom Lindley, Perkins Coie
- 2527. Internships and Work-Based Learning as Career Preparation (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Heather R. Houlton, American Geosciences Institute
 Discussant(s): Jacqueline A. Housel, Sinclair Community College; Rachel Berndtson, Department of Geographical Sciences, University of Maryland
 Panelists: Dawn Hawley, Northern Arizona University; Pablo Fuentenebro, United Nations Environment Programme (UNEP); Thomas R. Craig, Oklahoma State University
- 2528. Geographies of Media VIII: Social Media and Digital Spaces (Sponsored by Communication Geography Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Paul C. Adams, University of Texas at Austin; Laura Sharp, University of Arizona
 CHAIR(S): Marcia R. England, Miami University
3:20 Piia Tamppuu*, University of Tartu; Anu Masso, University of Tartu, *E-residency as a digital bridge between spaces: Discourse analysis of Estonian national news media.*
3:40 Hilary Hungerford*, Utah Valley University - OREM, UT; Angela Subulwa, University of Wisconsin Oshkosh, *Challenging notions of the "dark continent" with Instagram: Social media and representations of everyday life in Africa..*
4:00 Linda Ryan Bengtsson*, Karlstad University, Sweden, *Mapping networks - A case study of inner Scandinavia's music community.*
4:20 Linna Li*, California State University, Long Beach, *Perception of place in social media.*
4:40 Hannah Wright Wheeler*, Furman University - GREENVILLE, SC, *Can Facebook Aid Sustainability? An Investigation of Empathy Within the Humans of New York Blog.*
- 2529. Ecological responses to climate variability and extremes in the western US (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, United States Geological Survey)**
Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Christopher E. Souldard, United States Geological Survey; Erin Bunting, U.S. Geological Survey
 CHAIR(S): Christopher E. Souldard, United States Geological Survey
 Introdncer: Christopher E. Souldard
3:25 Jessica Walker*, U.S. Geological Survey; Jesslyn Brown, U.S. Geological Survey; Joel Sankey, U.S. Geological Survey; Cynthia Wallace, U.S. Geological Survey; Jake Weltzin, U.S. National Phenology Network, *Using phenology to track the vegetative recovery of southwestern U.S. dryland forests after fire.*
3:45 Miguel Villarreal*, U.S. Geological Survey; Laura Norman, U.S. Geological Survey; Steven Buckley, NPS; Cynthia Wallace, U.S. Geological Survey; Michelle Coe, University of Arizona, *Time-series monitoring of desert grassland cover changes in response to fire and drought.*
4:05 Christine Albano*, University of California, Davis and USGS; Michael D Dettinger, USGS; Christopher E. Souldard, USGS, *Linking Inter-annual Variations in Atmospheric Rivers to Vegetation Responses in the Southwestern United States.*
4:25 Christopher E. Souldard*, United States Geological Survey; Christine Albano, John Muir Institute of the Environment, University of California, Davis, CA; Miguel Villarreal, United States Geological Survey; Justin Huntington, Desert Research Institute, University of Nevada, Reno, NV, *Time-series analysis of climate and fire effects on meadow greening trends in the Sierra Nevada Mountains.*
- 2530. Challenges for Destination Governance Approaches in the Era of Post-Fordism (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Andreas Kagermeier, Trier University; Alison M. Gill, Simon Fraser University
 CHAIR(S): Alison M. Gill, Simon Fraser University
3:20 Andreas Kagermeier*, Trier University, *Dynamization of governance approaches in destination management by leadership elements: the case of Cyprus.*
3:40 Tatjana Thimm*, HTWG Konstanz, *Tourism Movement Prediction as a tool for Destination Governance.*
4:00 Arie Stoffelen*, University of Leuven; Dominique Vanneste, University of Leuven, *Tourism Destination Management Impacts on Cross-border Regional Development in the Germany-Belgium and Germany?Czech Republic Borderlands.*
4:20 Egbert Van Der Zee*, University of Leuven, *The soft approach to destination management; dealing with distance, distrust and variety.*
4:40 Gesa Kobs*, Trier University, *Destination Governance and small tourism businesses in developing countries - Experiences from Kenya.*
- 2531. Contemporary Issues in Rural China I (Sponsored by China Specialty Group, Rural Geography Specialty Group, Asian Geography Specialty Group)**
Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Gregory Veeck, Western Michigan University; Stanley Toops, Miami University
 CHAIR(S): Gregory Veeck, Western Michigan University
3:20 Linglin Xu*, University of Lethbridge; Wei Xu, Professor, University of Lethbridge, *Integrated Assessment of Sustainable Food Production System in Shaanxi Province, China.*
3:40 Luci Xi Lu*, Miami University, *A Political Ecology Analysis of Tibetan Herders' Vulnerability and Coping Strategies in Gansu, Western China.*
4:00 Stanley Toops*, Miami University, *State Farms and Agricultural Issues in Xinjiang, China.*
4:20 Dylan James Putzel*, McGill University, *Fruitful Forests: Black Cardamom Trade Networks and Livelihoods in Yunnan Province, China.*
 Discussant(s): Clifton W. Pannell, University of Georgia

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- 2532. Political Ecologies of Water in the West 4 (Sponsored by Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Alida Cantor, Clark University; Joshua Cousins, University of Michigan
 CHAIR(S): Alida Cantor, Clark University
3:20 Matthew Anderson*, Eastern Washington University; Susan J. Gilbertz, Montana State University, Billings; Jamie McEvoy, Montana State University; Lucas Ward, Rocky Mountain College; Damon Hall, Saint Louis University, *Developing the Water Commons: The Post-Political Condition and the Politics of "Shared Giving" in Montana.*
3:40 Megan L Dixon*, College of Idaho, *Who is irrigating what? The discourse of agricultural water use in southern Idaho.*
4:00 Brian C. Chaffin, Ph.D.*, University of Montana, *Tribes, Hydropower and Re-negotiating River Ecology in the American West.*
4:20 Lily A. House-Peters*, University of Arizona, *Riparian Enclosures: Managing Water through Mechanisms of Exclusion in an Over-Allocated Watershed in the Western US-Mexico Borderlands.*
4:40 Aylan M Lee*, Portland State University, *Decommissioning and Disruption: The Political Ecology of Klamath River Dam Removal.*
- 2533. Fertility and Population Dynamics (Sponsored by Population Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Seth E. Spielman, University of Colorado
 CHAIR(S): Seth E. Spielman, University of Colorado
3:20 Christopher Lant, Ph.D.*, Utah State University, *An Empirical Analysis of Descendant Insurance as a Driver of Global Fertility Decline.*
3:40 Jirina Kocourkova*, Charles University Prague, *Growing gap in population dynamics, closing gap in population size and structure: the European Union and the United States compared.*
4:00 Odeibler Santo Guidugli*, University Of State Of Sao Paulo, *Population aging in urban areas, socio-spatial issues: the case of Rio Claro-SP - 1980-2010..*
4:20 Paul J. Mackun*, U.S. Census Bureau, *Desert Southwest Population Patterns.*
4:40 Emily McBroom*, Texas State University - San Marcos, *Identifying external factors relevant to the decline in farm workers: A study of farm workers in California.*
- 2534. Neighborhood satisfaction and quality of life within an urban environment (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Angela Antipova, University of Memphis
 CHAIR(S): Angela Antipova, University of Memphis
3:20 Angela Antipova*, University of Memphis, *Neighborhoods and urban amenities: a study of perceived preferences and stated satisfactions.*
3:40 Victor Santoni*, Université de Cergy-Pontoise, *Sonocarto: a qualitative GIS to evaluate individual relationship to their sonic environment.*
4:00 Irene Casas*, Louisiana Tech University; Elizabeth C Delmelle, University of North Carolina, Charlotte, *Community Quality of Life Changes Following Bus-Rapid Transit Implementation in Cali, Colombia.*
4:20 Eun Jin Shin*, University of Southern California, *Access to Quality Education by Travel Mode: A Comparison across Neighborhood Types in the San Francisco Region.*
4:40 Jianxin Yang*, *Characterizing neighborhood impacts in cellular automation based urban growth models.*
- 2537. Ya No Es Como Antes: Farmer Adaptations to a Changing Climate in Latin America (Sponsored by Latin America Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Joshua Rudow, University of Texas-Austin Department of Geography; Diego Pons, University Of Denver
 CHAIR(S): Joshua Rudow, University of Texas-Austin Department of Geography
3:20 Diego Pons*, University Of Denver; Mackenzie Boli*, *Dendroclimatological Reconstructions in the Southern Coffee Regions of Guatemala..*
3:40 Megan Mills-Novoa*, University of Arizona, *Looking Upstream: Adaptive Agricultural Land Use Change in Piura, Peru.*
4:00 Ashlee Adams*, Penn State University, *Intermediaries of Sustainability: how market women influence the decisions of farmers in Bolivian quinoa production and their impact on livelihoods.*
4:20 Joshua Rudow*, University of Texas-Austin Department of Geography, *Agricultural Adaptations to Climate Change in the upper Rio Ica watershed, Peru..*
 Discussant(s): Paul Rogé, Michigan State University
- 2538. Unmanned Aerial Systems (UAS) and Structure from Motion (SfM) in Field Mapping Applications (Sponsored by Private/Public Affinity Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Peter George Chirico, United States Geological Survey
 CHAIR(S): Peter George Chirico, United States Geological Survey
3:20 McDermid Greg*, University of Calgary; Allesandro Montagni, University of Calgary; Taylor McKeeman, University of Calgary; Gustavo Quiroz-Lopes, University of Calgary; Jahan Kariyeva, Alberta Biodiversity Monitoring Institute; Brian Moorman, University of Calgary; Scott Nielsen, University of Alberta, *The Influence of Atmosphere and Illumination Conditions on the Stability of Photogrammetric Point Clouds from Stereo UAV Imagery.*
3:40 Bruce Millett*, South Dakota State University, *A Comparison of Total Station Survey (TSS) and Structure from Motion (SfM): An Inexpensive Alternative for Building Digital Terrain Models (DTMs)..*
4:00 Matthew S Balazs*, University of Alaska Fairbanks, *Use of Structure from Motion in Mountainous Areas.*
4:20 Gernot Paulus*, School of Geoinformation, Carinthia University of Applied Sciences; Katharina Ramsbacher, Department of Geoinformation and Environmental Technology; Carinthia University of Applied Sciences; Karl-Heinrich Anders, Department of Geoinformation and Environmental Technologies, Carinthia University of Applied Sciences; Rudi Schneeberger, Viewcopter; Peter Mayr, iC flussbau, *Development of an Unmanned Aerial System based Infrastructure Inspection Process.*
 Discussant(s): Peter George Chirico, United States Geological Survey
- 2539. Understanding and preventing non-communicable diseases (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Eric M. Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Eric M. Delmelle, University of North Carolina at Charlotte
3:20 Anandvir Kaur Saini, Ph.D.*, Assistant Professor, Khalsa College for Women, Ludhiana, Punjab (India), *Association of Cardiovascular Mortality with Terrain,*

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Weather & Groundwater: A Study of Bist Doab Region, Punjab (India).

3:40 Wei Xu*, University of Wisconsin Milwaukee, *An Ecological Analysis of the Association between Alzheimer's Disease Mortality and Socioeconomic Context in the Contiguous United States, 2000-2010.*

4:00 Stephanie E. Heald*, OSU Geography Department, *Spatial Patterns in Oklahoma Mental Health Service Utilization.*

4:20 Markku J. Tykkyläinen*, University of Eastern Finland; Toivakka Maija, University of Eastern Finland; Tiina Laatikainen, University of Eastern Finland, *Improving health care and cutting costs: the potential for geospatial analysis and modeling in primary health care planning.*

4:40 Rachel Abudu*, National Cancer Institute; Camille Morgan, National Cancer Institute Center for Global Health; Ted Trimble, National Cancer Institute Center for Global Health; Kalina Duncan, National Cancer Institute Center for Global Health; Ali A Chisti, Global Oncology; Jane A Craycroft, Global Oncology; Manaswi Gupta, Global Oncology; Nour Sharara, Global Oncology; Ilyana Rosenberg, Global Oncology; Franklin W Huang, Global Oncology; Ami Bhatt, Global Oncology, *The Global Cancer Project Map: an Online Map for Forging Partnerships and Identifying Cancer Control and Research Gaps.*

2540. New forms and spaces of collective ownership 1 (Sponsored by Economic Geography Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Britta Klagge, University of Bonn; Andrew Cumbers, University of Glasgow

CHAIR(S): Britta Klagge, University of Bonn
3:20 Andrew Cumbers*, University of Glasgow, *Remunicipalisation as a productive terrain for a counter-hegemonic project? The political significance of new localised spaces of collective ownership.*

3:40 Soeren Becker*, IRS Erkner, *Energy democracy in context: the (non-)institutional politics around ownership in Hamburg's energy transition.*

4:00 Britta Klagge*, University of Bonn, *German renewable energy co-operatives at the crossroads - an innovation-biography perspective.*

4:20 Doug Lionais, PhD*, Cape Breton University; Marcelo Vieta, PhD, University of Toronto, *Cooperatives and the Commons: beyond collective ownership.*

4:40 Peter J. North*, University Of Liverpool, *The social and solidarity economies: prospects for post-industrial cities in the global North.*

2541. Remaking the global economy IV: actors and dynamics, part 3 (Sponsored by Economic Geography Specialty Group)

Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Godfrey Yeung; Karen Lai, National University of Singapore

CHAIR(S): Karen Lai, National University of Singapore
3:20 Padraig Carmody*, Trinity College Dublin, *BRICS Geogovernance in Zambia: Prospects for Development.*

3:40 Rory Horner*, University of Manchester, *Addressing health security in global production networks: insights from local pharmaceutical production in sub-Saharan Africa.*

4:00 Yi LIU*, Sun Yat-sen University, *Industrial upgrading in question: The institutional embeddedness of strategic coupling in Guangdong Province, China.*

4:20 Sören Scholvin*, University of Hanover; Paula Bastos, Universidade de Brasília; Adriano Borges, Fundação Getulio Vargas, *Plugging into Global Commodity Chains: Density, Distance, Division and the Local Context of the Oil and Gas Sector in São Paulo.*

4:40 Niels Fold*, University of Copenhagen; Jeff Neilson,

University of Sydney; Bill Pritchard, University of Sydney, *Transformation of corporate strategies in the global agro-food industries.*

2542. International Geography Organizations: Priorities and Initiatives for Research and Education (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)

Room: Union Square 15, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Michael N. Solem, American Association of Geographers
CHAIR(S): Michael N. Solem, American Association of Geographers

Panelists: Chew-Hung Chang, Nanyang Technological University; Ali Demirci, Fatih University; Joop Van Der Schee, VU University Amsterdam; Yushan Duan, East China Normal University; Karl Donert, European Association of Geographers

2543. Toward a Geographical Software Studies 3: The visual and control (Sponsored by Geographic Information Science and Systems Specialty Group, Political Geography Specialty Group, Cyberinfrastructure Specialty Group)

Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Ryan Burns, Temple University; Nick Lally, University of Wisconsin - Madison

CHAIR(S): Ryan Burns, Temple University
3:20 Craig M. Dalton*, Hofstra University, *Seeing with Software: Mobile device users' geographic knowledges.*

3:40 Aaron Shapiro*, University of Pennsylvania, *The Surface of Things: Google Street View, Computer Vision, and Broken Windows.*

4:00 Teresa Scassa*, University of Ottawa, *Mapping Crime: Civic Technology in the Emerging Smart Cities Context.*

Discussant(s): Louise Amoore, Durham University; Clare Melhuish, University College London

2544. Welfare inequalities and migration (Sponsored by Population Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Christof Van Mol, Netherlands Interdisciplinary Demographic Institute / KNAW / UG
CHAIR(S): Christof Van Mol, Netherlands Interdisciplinary Demographic Institute / KNAW / UG

3:20 Cathrine Talleraas*, Peace Research Institute Oslo (PRIO), *Migration management by other means: How welfare policy shapes transnational mobility.*

3:40 Anna Gavanoas, Associate Professor*, Linköping University; Anna Gavanoas, Associate Professor, ISV/ Remeso, Linköping University, *Swedish retirement migrants and domestic services in Spain: privatization, informalization and moral economy between welfare states, markets and family.*

4:00 Milena Belloni*, University of Trento, *"Constructing the ideal destination": Welfare-related rumours, expectations and representations among Eritrean refugees on their way to Northern Europe.*

4:20 Eve Bantman*, Université de Toulouse, *Senior Mobility and Retirement-Related Migration Policies.*

4:40 Paolo Boccagni*, University of Trento, *Remitting (in) equality? A new research agenda on the migration-welfare nexus and its transnational aftermaths.*

2545. Human - Environment Geography

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Susan Owen, University of Auckland

3:20 Arthur N. Samel*, Bowling Green State University; Min Xu, Oak Ridge National Laboratory; Xin-Zhong Liang, University of Maryland, *A comparison of three lake models in simulating the cold-season climate of the*

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Great Lakes Region.

- 3:40** Ian B. Strachan, Ph.D.*, McGill University; Luc Pelletier, Ph.D., McGill University; Alain Tremblay, Ph.D., Hydro Quebec - Production; Simon Tardif, Hydro Quebec; Christian Turpin, Hydro Quebec, *Net Evaporation Resulting from the Creation of a Boreal Hydroelectric Reservoir.*
- 4:00** Kelly Salamone, MA Candidate*, San Diego State University, *Decentralization, Scale and the Surf Commons.*
- 4:20** Susan Owen, Dr*, University of Auckland, *Protecting the waves: Surf breaks as sites of environmental activism..*

2546. Uncertainty and Quality Issues in Spatial Data Analysis: Mapping Survey data with Error Information (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

- Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Min Sun, George Mason University; David W. Wong, George Mason University; Yongwan Chun, The University of Texas at Dallas
 CHAIR(S): Min Sun, George Mason University
- 3:20** Hyeongmo Koo*, University of Texas At Dallas; Yongwan Chun, University of Texas At Dallas; Daniel A. Griffith, University of Texas At Dallas, *A comparison of map classification schemes incorporating uncertainty information.*
- 3:40** Daniel B Carr, Ph.D.*, George Mason University, *Confident Class Micromaps: More Extensions and Examples.*
- 4:00** Min Sun*, George Mason University, *A Heuristic Multi-Criteria Classification Approach Incorporating Data Quality Information for Choropleth Mapping.*
- 4:20** Barry Joel Kronenfeld*, Eastern Illinois University; David W Wong, George Mason University; Min Sun, George Mason University, *Implicit Visualization of Uncertainty on Health Maps using Cartograms.*

2547. Relational Poverty 3: Undergraduate Involvement in Relational Poverty Studies

- Room: Union Square 20, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Stella Jones, University of Washington; James Koji Pingry
 CHAIR(S): Victoria A. Lawson, University of Washington
 Panelists: Joseph Kerins; Stella Jones, University of Washington; James Koji Pingry; Anisa Jackson, University of Washington; Helen Elizabeth Olsen, Rutgers University; Sterling Heinz, San Francisco State University

2548. Coastal and Marine Issues and Science session (Sponsored by Coastal and Marine Specialty Group, Animal Geography Specialty Group)

- Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)*
 ORGANIZER(S): Jennifer L. Rahn, Samford University
 CHAIR(S): Jennifer L. Rahn, Samford University
- 3:20** Andrea Hendrick*, Grand Valley State University, *Land Cover change in the Wasatch Valley: The Effect of Development in Utah's Wasatch Valley on the Surface area of the Great Salt Lake.*
- 3:27** Timothy A. Joyner, PhD*, East Tennessee State University; William Tollefson, East Tennessee State University; Eileen Ernenwein, East Tennessee State University; Selena Roark, East Tennessee State University; Amy Poole, East Tennessee State University; Chase Staton, East Tennessee State University; Stacey Vernon, East Tennessee State University, *Using Unmanned Aircraft Systems (UAS) for Project-Based Teaching and Community-wide Geospatial Services: An Overview of the Impact of Drone Technology at East Tennessee State University.*

- 3:34** Suzanne P Wechsler, Ph.D.*, CSU Long Beach, *Navigating the UAS landscape.*
- 3:41** Francisco Laso, M.Sc.*, University of North Carolina - Chapel Hill, *Improving Ecological Literacy in the Galapagos Islands Through Outdoor Education.*
- 3:48** Dennis Gilfillan, MEA*, East Tennessee State University, Department of Environmental Health; Phillip R Scheuerman, Ph.D., East Tennessee State University, Department of Environmental Health; T Andrew Joyner, Ph.D., East Tennessee State University, Department of Geosciences, *Seasonal and Spatial Variations in the Probability of Pathogenic Stream Impairment.*
- 3:55** Paola Citlali Segundo Metay*, CIGA-UNAM; Pedro Sergio Urquijo Torres, CIGA- UNAM; Gerardo Bocco, CIGA- UNAM, *Geographic explorers in the Baja California Peninsula, Mexico.*
- 4:02** Wenjing Xu*, NASA DEVELOP National Program; Department of Geography, University of Georgia; Jason Reynolds, NASA DEVELOP National Program; Linli Zhu, NASA DEVELOP National Program; Mingshu Wang, NASA DEVELOP National Program; Department of Geography, University of Georgia; Doori Oh, NASA DEVELOP National Program; Department of Geography, University of Georgia; Caren Remillard, NASA DEVELOP National Program; Department of Geography, University of Georgia, *Utilizing NASA Earth Observations for Assessing Groundwater Storage Change and Contamination Risk in Southwest Georgia.*
- 4:09** Jennifer L. Rahn, Ph.D.*, Samford University, *Small Island Coral Nursery Implementation: A Case Study On Saba, Dutch Caribbean.*

2549. Comparing Urban Geopolitics - Learning from Different Contested Cities I (Sponsored by Political Geography Specialty Group)

- Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Jonathan Rokem-Rock, University College London
 CHAIR(S): Jonathan Rokem-Rock, University College London
- 3:20** Liza Rose Cirolia*, African Centre for Cities, *Implementing City Plans: Comparative Experiences from Nairobi, Addis Ababa, and Harare.*
- 3:40** Rachel Valbrun*, University College London Bartlett DPU, *Built Outcomes of Disaster Recovery and Reconstruction: Comparison of Post-Blitz London (1945) and Post-Earthquake Port-au-Prince (2010).*
- 4:00** Rachna Gupta Lévéque*, University College London, Buro Happold, *Governing for resilience: responding to the complexities of urban densification.*
- 4:20** Diego Silva Ardila*, Universidad Industrial de Santander, Bucaramanga, Colombia, *Policy Mobilities: Public Private Partnerships under Neoliberal Ideas. The Colombia BRT policy case.*
- 4:40** Peter Wood*, Florida State University, *Critical Urban Geopolitics in the Foz do Iguaçu, Brazil, Borderland.*

2550. Representational Returns: Recovering Meaning in the Cultural Landscape (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)

- Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Nicholas Bauch, Stanford University; Nicolas Howe, Williams College
 CHAIR(S): Matthew W. Wilson, Harvard University
- 3:20** Robert Edward Sullivan*; Rob Sullivan, PhD, none, *"The Living Canvas of the City: Street Level Photography in Los Angeles".*
- 3:40** Rick Miller*, UCLA, *'Straight outta' metaphors: representing the Compton Cricket Club through competing landscapes.*
- 4:00** Nicholas Bauch*, Stanford University, *The Present of Silicon Valley's Future Wasteland.*

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- 4:20 Nicolas Howe*, Williams College, *What Do Rivers Think of Dams?*
Discussant(s): Matthew W. Wilson, Harvard University
- 2551. Research in Geography Education II: Spatial Thinking, Geospatial Technologies, and Teaching Geography (Sponsored by Geography Education Specialty Group)**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Gillian Acheson, Southern Illinois University Edwardsville; Injeong Jo, Texas State University
CHAIR(S): Injeong Jo, Texas State University
3:20 Carmen Brysch*, Auburn University, *Is There Room for GIS in Large Lecture Classes?*
3:40 Zahra Ghaffari*, Texas State University; Nathan Allen Currit, Texas State University; Injeong Jo, Texas State University, *NASA Astronaut Photography of Earth: A Resource to Facilitate Students' Learning and Using Geospatial Concepts.*
4:00 Lisa Tabor*, Kansas State University; John A. Harrington*, Kansas State University, *Subversive GeoSpatial Technology (GST) Education: Teaching Educators to Use GST's in their Classroom.*
4:20 Jinhee Lee*, Texas State University; Injeong Jo, Texas State University; Xiaowei Xuan, East China Normal University, *Dispositions toward teaching spatial thinking through geography: A case of Chinese and Korean preservice teachers.*
4:40 Injeong Jo*, Texas State University, *Enhancing preservice teachers' disposition of using geospatial technologies for teaching.*
- 2552. Positionality, gender & fieldwork: considerations & advice from female graduate students (Sponsored by Graduate Student Affinity Group, Sexuality and Space Specialty Group)**
Room: Mason B, Hilton Hotel, 6th Floor (Panel Session)
ORGANIZER(S): Kalli F. Doubleday, University of Texas, Austin
CHAIR(S): Kalli F. Doubleday, University of Texas, Austin
Discussant(s): Ilariaiglioli, University of California-Berkeley
Panelists: Kalli F. Doubleday, University of Texas, Austin; Molly H. Polk, University of Texas at Austin; Cadi Fung, Michigan State University; Sharon E. Wilcox, University of Texas Austin
- 2553. Eurasian Themes IV: Performing Eurasia: Geopolitical Narratives, Environmental Aesthetics, and Economic Dialogues (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cultural and Political Ecology Specialty Group, Asian Geography Specialty Group)**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Jeremy Tasch, Towson University; Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research
CHAIR(S): Jeremy Tasch, Towson University
3:20 Robert Allen Kopack, PhD Candidate*, University of Toronto, *Post Soviet Rockets: Reinventing and Reimagining the Baikonur Cosmodrome in Kazakhstan.*
3:40 Vincent Artman*, University of Kansas, *The State and the Sacred: Palimpsest or Composite Geographies?.*
4:00 Berit Böckel*, Leibniz University Hannover, *Performing Water Management in Kyrgyzstan: a question of community?.*
4:20 Rosibel Roman*, Florida International University, *Modernity, techno-natures, and the Soviet legacy of Tankograd.*
4:40 Jeremy Tasch*, Towson University, *The Occidental isn't Accidental: Life Among Baku's Steel Metaphors and Black Gold.*
- 2554. Spatiotemporal Symposium: Web-based Spatiotemporal Data Discovery and Mining**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Yongyao Jiang, George Mason university;
- Jiaying He, University of Maryland - College Park; Yun Li
CHAIR(S): Weihe Wendy Guan, Harvard University
3:20 Jesse Piburn*, Oak Ridge National Laboratory; Robert N Stewart, Oak Ridge National Laboratory; Aaron Myers, Oak Ridge National Laboratory; Alexandre Sorokine, Oak Ridge National Laboratory, *The World SpatioTemporal Analysis and Mapping Project (World STAMP).*
3:40 Sara K. Lafia*, University of California, Santa Barbara, *People and Places: Resource Discovery in a Library Context.*
4:00 Shaun Fontanella*, Department of Geography, Ohio State University; Harvey J Miller, Department of Geography, Ohio State University, *A Beginner's Toolbox for Automated Spatial Data Collection.*
4:20 Duncan A. Smith*, Centre for Advanced Spatial Analysis, *Urban Analytics Advances using Interactive Web Mapping Platforms and Open Data.*
- 2555. Global Migration at Multiple Scales II (Sponsored by Africa Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Raymond Asare Tutu, Delaware State University
CHAIR(S): Rachel M. Shellabarger
3:20 Beth Nelson*, University of South Carolina, *Immigrant Social Networks: A Geographic Perspective.*
3:40 Peter M. Piet*, City of Elmhurst; Richard P. Greene, Northern Illinois University, *A Comparative Analysis of Migration and Population Change for Four Different Definitions of the U.S. Sunbelt.*
4:00 Seung-Jin Lee*, Seoul National University, *A Multi-agent system to Analyze Migration Pattern of Residents in Response to an entering of hate facilities.*
4:20 Rachel M. Shellabarger*, University of California, Santa Cruz; J Alejandro Artiga-Purcell*, University of California, Santa Cruz, *Reintegrating environment into refugee studies: Drivers behind Central American forced migration.*
- 2556. Mapping the Hyphen: How maps connect the human to the environment in human-environment studies (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group, Cartography Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Alex W. Peimer, University of Illinois, Urbana-Champaign; Charles Fogelman, University of Illinois
CHAIR(S): Alex W. Peimer, University of Illinois, Urbana-Champaign
3:20 Joy Whiteley Ackerman, PhD*, Antioch University New England, *Bringing Nature Into It: Counter-Mapping a Proposed Highway Route.*
3:40 Mark Stoller*, University of British Columbia - Vancouver, BC, *The Story in the Map: the politics and culture of historical mapping projects in northern Canada.*
4:00 Teresa Armijos, Ph.D*, University of East Anglia, *Questioning the map: volcanic hazard maps and their long-term implications to livelihoods in Tungurahua, Ecuador.*
4:20 Charles Fogelman*, University of Illinois, *Mapping for Instability: Remaking Land and Maps in Lesotho.*
Discussant(s): Joseph H. Bryan, Department of Geography, University of Colorado, Boulder
- 2557. International Migration (Sponsored by Ethnic Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh
CHAIR(S): John R. Weeks, San Diego State University
3:20 Medea Badashvili, PhD*, Tbilisi State University, *Human*

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Agency in Migration: the impact of Migration on social and economical development.

- 3:40** Hannah Hassani*, George Washington University, *Labor Migration And Remittances: The Filipina Diaspora And The Economy Of The Philippines.*
- 4:00** C. Laura Lovin, PhD*, Strathclyde University, *Geographies of Migrant Control: The Case of Work Migration from Romania in the City of London.*
- 4:20** William Terry*, Clemson University, *Guestworkers in Tourism: Precarity and Protection of Seasonal Foreign Workers in the United States.*
- 4:40** Elizabeth G Kennedy, C.Phil., San Diego State University; John R. Weeks, Ph.D.*, San Diego State University, *Fleeing Violence in El Salvador's "Violence-Free" Cities.*

2558. Political Ecologies of Sustainability Labeling and Eco-labeling: People, Products and Places (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:* Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
CHAIR(S): Frances Fahy, National University of Ireland, Galway
- 3:20** Jennifer Mapes*, Kent State University; Kelly Turner, Kent State University; David Kaplan, Kent State University, *Sustainability goals versus outcomes in a large-scale downtown redevelopment project.*
- 3:40** Frances Fahy, Dr*, National University of Ireland, Galway; Henrike Rau, Prof, Department of Geography, Ludwig-Maximilians-University, Munich, Germany; Mary Jo Lavelle, Dr, NUI Galway, *What's in a label? Examining 'Ever-greens' and 'Never-greens' on the Island of Ireland.*
- 4:00** Ingrid L. Nelson*, University of Vermont, *Becoming Platinum, Gold and Green: Making Sustainable University and College Campus Spaces.*
- Discussant(s): Laureen Elgert, Worcester Polytechnic Institute

2559. Symposium on Human Dynamics Research: Space-Time Analytics (Themes and Applications) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:* Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): May Yuan, University of Texas - Dallas; David O'Sullivan, University of California, Berkeley
CHAIR(S): Elizabeth A. Wentz, Arizona State University
- 3:20** Steven Farber*, University of Toronto; Nate Wessel, University of Toronto; Jielan Xu, University of Toronto, *A nationwide comparison of racial segregation in metropolitan regions: what can be learned from a social interaction approach?.*
- 3:40** Somayah Dodge*, University of Colorado Colorado Springs, *The continuum of movement research: from observations to modeling dynamic processes.*
- 4:00** Ian N. Gregory*, Lancaster University, *Exploring Space and Time in Large Volumes of Text.*
- 4:20** Jed Long*, University of St Andrews, *Space-Time Analysis of Human-Wildlife Interactions from GPS Tracking Data.*
- 4:40** Tao Cheng*, University College London; Qingyuan Chu, SpaceTimeLab, UCL; Jianan Shen, SpaceTimeLab, UCL, *Identifying social-demographic groups from Oyster card data.*

2560. Food Production and Sustainability: Challenges of the Anthropocene and Climate Change (Sponsored by Human Dimensions of Global Change Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:* VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Stephanie Pau, Florida State University

3:20 Nikolaus Josef Kuhn*, University of Basel, *Conservation tillage and sustainable intensification of agriculture: regional vs. global benefit analysis.*

- 3:40** Bahareh Kamali*, EAWAG, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland; Karim Abbaspour, EAWAG, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland; Hong Yang, EAWAG, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf, Switzerland, *Drought vulnerability assessment of wheat and barley production under climate change-A Case study of Karkheh River Basin in Iran.*
- 4:00** Simon, Xu Hui SHEN*, The Chinese University of Hong Kong, *Rethinking Role of States for Sustainable Development in Age of Anthropocene.*
- 4:20** Melissa Wagner*, Arizona State University; Meng Wang, Arizona State University; Matei Georgescu, Arizona State University, *Renewable energy and drought resiliency?: Examining hydroclimate impacts of Perennial Biofuel Crop Expansion in Southern Plains..*
- 4:40** Stephanie Pau, Ph.D.*, Florida State University, *A Global Meta-Analysis of Proximate Causes and Underlying Drivers of Tropical Deforestation.*

2561. Human Geography Poster Session I

- Posters for this session can be found on pages 162-165.
Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
*** Continued into next slot, 2661

2562. Spatial and eco-epidemiological modeling (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

- Room:* Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
ORGANIZER(S): Nathan Torbick, AGS; Xun Shi, Dartmouth College
CHAIR(S): Nathan Torbick, AGS
- 3:20** Tracie Anne Caller, MD, MPH*, Geisel School of Medicine at Dartmouth; Angeline S Andrew, PhD, Geisel School of Medicine at Dartmouth; Nicholas W Field, BS, University of Vermont, College of Medicine; Xun Shi, PhD, Dartmouth College; Patricia L Henegan, MS, Dartmouth College; Rup Tandan, MD, University of Vermont, College of Medicine; Elijah W Stommel, MD, PhD, Geisel School of Medicine at Dartmouth, *Characterizing the Spatial Distribution of Amyotrophic Lateral Sclerosis in Northern New England: A Possible Link to Environmental Risk Factors.*
- 3:40** Xun Shi, Prof.*, Dartmouth College; Nathan Torbick, Ph.D., Applied GeoSolutions; Bart Guetti; Patricia L Henegan, Dartmouth-Hitchcock Medical Center; Elijah Stommel, MD, Dartmouth-Hitchcock Medical Center; Walter G Bradley, MD, University of Miami School of Medicine, *Spatial analysis for detecting environmental risks for ALS.*
- 4:00** Beth Ziniti*, Department of Mathematics and Statistics, University of New Hampshire; Ernst Linder, PhD, Department of Mathematics and Statistics, University of New Hampshire; Nathan Torbick, PhD, Applied GeoSolutions Inc., Newmarket NH; Megan Corbiere, Applied GeoSolutions Inc., Newmarket NH; Elijah W. Stommel, M.D., Department of Neurology, Dartmouth Medical School, *Assessing lake water quality and ALS (Amyotrophic Lateral Sclerosis) in Northern New England using a Bayesian Eco-epidemiological Model.*
- 4:20** Sadie Jane Ryan*, University of Florida; Anna M Stewart Ibarra, PhD, SUNY Upstate Medical University; Winnie Chu, Cornell University; Julia L Finkelstein, PhD, Cornell University; Luis E Escobar, PhD, DVM; Christine A King, PhD, SUNY Upstate Medical University; Eunice Ordenez, ESPOL; Froilan Heras; Egan Waggoner; Erica Tauzer; Karlos Enriquez; Tyler

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- G James, University of Florida; Washington Cardenas, ESPOL; Mark Polhemus, MD, SUNY Upstate Medical University, *Spatial and seasonal dynamics of Vibrio spp. in an estuary in southern coastal Ecuador.*
- 4:40** Wenjie Sun, Ph.D.*, Carthage College; Jun Xu, Ph.D., Ball State University; Fang Gong, Ph.D., Ball State University, *Contextual risk factors of heart disease in U.S. counties- a spatial and statistical analysis.*
- 2563. Location Intelligence Trends in the Contemporary Omnichannel Retail Marketplace (Sponsored by Business Geography Specialty Group)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Panel Session)
 ORGANIZER(S): Lawrence Joseph, West Marine
 CHAIR(S): Lawrence Joseph, West Marine
 Introducer: Tony Hernandez
 Panelists: Lawrence Joseph, West Marine
- 2566. Episodic Fluvial Sedimentation and Geomorphic Responses: A Centennial Tribute to G.K. Gilbert, Part IV (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group)**
Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): L Allan James, University Of South Carolina; Scott A. Lecce, East Carolina University
 CHAIR(S): Robert T. Pavlowsky, Missouri State University
3:20 Joann Mossa*, University of Florida; Yin-Hsuen Chen, Ph.D., University of Florida; Scott P. Walls, M.L.A. EP, Scott Walls Consulting; G. Mathias Kondolf, Ph.D., University of California, Berkeley, *Dredging, Spoil Deposits and Geomorphic Response in the Apalachicola River, Florida.*
3:40 Shirin Leclere*, San Francisco State University; Leonard Sklar, San Francisco State University; Jennifer Genetti, San Francisco State University, *Patterns in the Source: Predicting hillslope sediment size distribution using GIS and aerial imagery.*
4:00 Erik Schiefer*, Northern Arizona University; Michael Retelle, Bates College; Steven Roof, Hampshire College; Alan Werner, Mount Holyoke College; Nicholas McKay, Northern Arizona University; Darrell Kaufman, Northern Arizona University, *Fluvial Suspended Sediment Yields Over Hours to Decades and Beyond in the High Arctic, Lake Linné, Svalbard.*
4:20 Pollyanna Lind, MS, Doctoral Candidate*, University of Oregon; Patricia McDowell, Professor, University of Oregon, *Bedload Transport and Connectivity in a Steep Montane Tropical River - Rio Pacuare, Costa Rica.*
4:40 Derek Joseph Martin, Ph.D.*, Appalachian State University; Kaitlin Finan, Appalachian State University; Christopher Ely, Appalachian State University; Mathew McMahan, Appalachian State University, *Stream Bank Erosion in Páramo Ecosystems: Assessing the Potential for Fluvial Export of Organic Carbon.*
- 2567. SAM Student Paper Competition Session II**
Room: Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Heejun Chang, Portland State University; Debarchana Ghosh, University of Connecticut
 CHAIR(S): Debarchana Ghosh, University of Connecticut
3:20 Alexander Hohl*, University of North Carolina - Charlotte, *Accelerated Discovery of Infectious Disease Clusters Using Adaptive Spatiotemporal Domain Decomposition.*
3:35 Bo Yang*, University of Cincinnati; Hongxing Liu, University of Cincinnati; Emily Lei Kang, University of Cincinnati; Richard Beck, University of Cincinnati; Kenneth Hinkel, University of Cincinnati; Lei Wang, Louisiana State University, *Spatio-temporal Cokriging: A Multi-scale Assimilation Method for Downscaling, Hindcasting, and Forecasting.*
- 3:50** Eun-Kyeong Kim*, The Pennsylvania State University, *Local Indicator of Temporal Burstiness for Spatiotemporal Event Analysis.*
- 4:05** Debra Blackmore, M.S. Candidate*, Portland State University - Portland, OR; Heejun Chang, Ph.D., Professor, Portland State University, *A Geospatial Tool for Wetland Prioritization at the Watershed Scale.*
- 4:20** Taylor Oshan, PhD Student*, ASU SGSUP/Geoda; A. S. Fotheringham, Arizona State University/Geoda Center, *A Comparison of Spatially Varying Regression Coefficients Using Geographically Weighted and Spatial Filter Techniques.*
- 4:35** Christopher Allen*, San Diego State University, *Examining Levels of Social Engagement in San Diego, CA using Twitter Data.*
- 2568. Wellbeing and Community Change 3: Issues and impacts in Urban Renewal (Sponsored by International Geography, GIScience, and Urban Health Theme, Urban Geography Specialty Group)**
Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise
 CHAIR(S): Julie Clark, University of Glasgow
3:20 Xiaolin Zang*, Faculty of Geosciences, Utrecht University; Bouke van Gorp, Faculty of Geosciences, Utrecht University; Hans Renes, Faculty of Geosciences, Utrecht University, *Colonial Heritage Conservation in Contemporary Qingdao, China.*
3:40 Nancy Erbstein, Ph.D.*, UC Davis, *Making Youth Data Matter.*
4:00 Priti Narayan, PhD student*, Rutgers University, *Participatory citymaking: The harmony of the anti-poor and the democratic in urban renewal.*
4:20 Amy Rock*, Humboldt State University, *Citizen Participation and Public Funding in Ohio.*
4:40 Aidan While*, University of Sheffield, *Geography and the politics of leverage through planning in the US and UK.*
- 2569. Urban temperatures and shade provision (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): David M. Hondula, Arizona State University
3:20 Alex Karner, Ph.D., Georgia Institute of Technology; David M. Hondula, Ph.D.*, Arizona State University; Jennifer K. Vanos, Ph.D., Texas Tech University, *Heat exposure during non-motorized travel: Implications for transportation policy under climate change.*
3:40 Alisa L Hass*, University of Tennessee; Kelsey N. Ellis, University of Tennessee; Lisa Reyes Mason, University of Tennessee; Jon M. Hathaway, University of Tennessee, *Heat and humidity in the city: Neighborhood heat index variability in a mid-sized city in the Southeastern United States.*
4:00 Ariane Middel*, Arizona State University; Nancy Selover, Arizona State University; Björn Hagen, Arizona State University; Nalini Chhetri, Arizona State University, *How to stay cool in the desert - The benefits of photovoltaic canopy shade.*
4:20 Jennifer K. Vanos, PhD*, Texas Tech University; Ariane Middel, PhD, Arizona State University; Evan Kuras, BS, University of Massachusetts at Amherst; Grant McKercher, BS, Texas Tech University; Benjamin Ruddell, PhD, Arizona State University, *Hot playgrounds and children's health: a multiscale analysis of surface temperatures in Phoenix, AZ.*
4:40 Yingbao Yang*, yingbao yang, School of Earth Sciences and Engineering, Hohai University; Lijuan Cao, School of Earth Sciences and Engineering, Hohai University,

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The impact of greenery and building design on air temperature and thermal comfort in a dwelling district.

- 2570. The Mont Pelerin Plague? Revisiting and Rethinking Neoliberalism II (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Kean Birch, York University; Simon Springer, University of Victoria
 CHAIR(S): Kean Birch, York University
3:20 Simon Springer*, University of Victoria, *Forget Neoliberalism.*
3:40 Arnaud Brennetot*, University of Rouen, Normandy, CNRS 6266 IDEES., *For want of a better word: the origin of neoliberalism and the construction of a standard worldview.*
4:00 Elizabeth Humphrys*, University of Sydney, *How Labour Made Neoliberalism.*
4:20 Sara Westin*, University of Uppsala, *Neoliberalism according to 'neoliberals': An interview study with economic experts.*
4:40 Richard B. Norgaard*, University of California - Berkeley, *Economism: How Economics Became Religion in America.*
- 2571. CITY journal sessions #1-1: The Urban Process under Planetary Accumulation by Dispossession (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Routledge)**
Room: Golden Gate Room, Hotel Nikko, 25th Floor (Panel Session)
 ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science; Bob Catterall, CITY
 CHAIR(S): Bob Catterall, CITY
 Panelists: Elvin K. Wyly, University of British Columbia; Ilse Helbrecht, Humboldt University Berlin; Ayona Datta, University of Leeds; Miguel Robles-Duran, New School University; Hyun Bang Shin, London School of Economics and Political Science
- 2572. Interaction and Network Modeling**
Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Adam Wilkinson Davis, University of California
3:20 Dane Estok, MGIS Candidate*, Pennsylvania State University MGIS, *Spatial structure of an online social good company: An analysis of geographic and social influences on giving and growth.*
3:40 Adam Wilkinson Davis*, University of California, Santa Barbara, *Modeling Quantifiable Place Attitudes.*
- 2573. Global Urban Observation: Towards Sustainable Cities (IV) - Innovative Methods and Indicators (Sponsored by Remote Sensing Specialty Group)**
Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Qihao Weng, Indiana State University; Wenliang Li, University of Wisconsin-Milwaukee; Yingbin Deng, u of Wisconsin Milwaukee
 CHAIR(S): Changshan Wu, University of Wisconsin, Milwaukee
3:20 Changshan Wu*, University of Wisconsin, Milwaukee, *Application of spectral mixture analysis in urban remote sensing: problems and potentials.*
3:40 Wenliang Li*, Department of Geography, University of Wisconsin-Milwaukee; Changshan Wu, Department of Geography, University of Wisconsin-Milwaukee, *A spatial knowledge assisted approach for addressing endmember variability in spectral mixture analysis.*
4:00 Qingling Zhang*, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences; Bin Li, Central Michigan University; David Thau, Google Earth Engine, Google Inc.; Rebecca Moore, Google Earth Engine, Google Inc., *Enhancing urban structure:*
- Combining day and night remote sensing imagery.*
- 4:20** Pranab K. Roy Chowdhury*, University of Tennessee; Budhendra Bhaduri, Oak Ridge National Laboratory, *High resolution human settlement mapping - insights from a novel approach.*
- 4:40** Yingbin Deng*, University of Wisconsin Milwaukee; Changshan Wu, University of Wisconsin Milwaukee, *Development of a Class-based Multiple Endmember Spectral Mixture Analysis (C-MESMA) Approach for Analyzing Urban Environments.*
- 2574. Historical Geographies of the Green Revolution (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)**
Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Nally, University of Cambridge; Mona Domosh, Dartmouth College
 CHAIR(S): Mona Domosh, Dartmouth College
3:20 Greta Marchesi*, University of California Berkeley, *The Inter-American Indian Program and International Agricultural Development before the Green Revolution.*
3:40 Brian Williams*, The University of Georgia, *Life and Biocide: Pesticides as Developmental Commodities.*
4:00 Tore C. Olsson, PhD*, University of Tennessee, *Rethinking the Green Revolution, from the American South to Mexico.*
4:20 David Nally*, University of Cambridge, *Philanthromentalities: Peasants, Rural Development and the Gift of Progress.*
 Discussant(s): Mona Domosh, Dartmouth College
- 2575. Processes and politics of illicitization and formalization of access**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Kevin Woods; John Buchanan, a
 CHAIR(S): Kevin Woods
3:20 Kevin Woods*, UC-Berkeley, *The Fight Against "Illegal" Logging in the Burma-China Battlefield Borderlands.*
3:37 John Buchanan*, University of Washington, *Illicitization as Counterinsurgency: Opium and Militias in Burma's Shan State.*
3:54 Louis Putzel*, Center for International Forestry Research; Xiaoxue Weng, Center for International Forestry Research; Paolo Omar Cerutti, PhD, Center for International Forestry Research, *Exclusion/Intrusion: Market capture enabled by conservation-driven formalizations of access and trade.*
4:11 Sam Spiegel*, University of Edinburgh, *Re-interpreting political space, "illicit" diamond narratives and subversive advocacy in Zimbabwe.*
4:28 Annah Lake Zhu, PhD Candidate*, University of California Berkeley, *Everyday Life in the Political Forests of Madagascar.*
 Discussant(s): Philippe Le Billon, University of British Columbia
- 2576. PREM: Policing/in Palestine I**
Room: Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Rhys Machold, Balsillie School of International Affairs; Andy Clarno, University of Illinois at Chicago; Lisa Bhungalia, The Ohio State University
 CHAIR(S): Lisa Bhungalia, The Ohio State University
3:20 Rhys Machold*, Balsillie School of International Affairs, *Do you see what I see? Israeli security 'awareness' and the settler colonial gaze.*
3:40 Maya Wind*, New York University, *Visions of Policing: Israeli military export after "Protective Edge".*
4:00 Kali Rubaii*, University of California-Santa Cruz, *Order and Chaos: playing the game of global control in Iraq and Palestine.*
4:20 Ron J Smith, Ph.D.*, Bucknell University, *Parallels of*

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Violence: Cross-border linkages of race, racism and solidarity from Ferguson to Gaza.

Discussant(s): Andy Clarno, University of Illinois at Chicago

2577. The emerging geographies of infrastructure : regulation, distributed decisions and innovation in governance 3. Infrastructure interdependencies and cross sector integrations (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Phil Johnstone, University of Sussex; Ralitsa Hiteva, SPRU, University of Sussex; Katherine Lovell, University of Sussex

CHAIR(S): Katherine Lovell, University of Sussex

3:20 Chiara Farné Fratini*, Aalborg University; Jens Stissing Jensen, Aalborg University; Birgitte Hoffmann, Aalborg University, *Scale specific perspectives for the governance of the water-energy-landuse nexus in Denmark: the missing representation of ecological priorities.*

3:40 Ellen Van Bueren*, Delft University of Technology, *"What's in it for me?" Perceived opportunities and risks of resource exchange projects.*

4:00 Jennie C. Stephens, PhD*, University of Vermont; Dan Kopin, University of Vermont; Tarla Rai Peterson, PhD, University of Texas, El Paso; Elizabeth J Wilson, PhD, University of Minnesota, *Geographic Diversity among Electric Utilities: Varying Perspectives on Smart Grid and Electricity System Change.*

4:20 Aad Correljé*, Delft University of Technology; Margot Weijnen, Delft University of Technology, *Challenges for energy policy in a fragmented institutional landscape.*

Discussant(s): Phillip O'Neill, University of Western Sydney

2578. Hazards Risks and Disasters 4: Quantitative and Qualitative Flood Hazards Assessments. (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Tim G. Frazier, University of Idaho; Eric Tate, University of Iowa

CHAIR(S): Tim G. Frazier, University of Idaho

3:20 Marilyn C. Montgomery, PhD, GISP*, Wharton Risk Center, *Social Equity Implications of the Newly Mapped Procedure of the National Flood Insurance Program.*

3:40 Talal Yousuf Al-Awadhi*, Sultan Qaboos University; Younis Bani Oorab, Sultan Qaboos University; Yassine Charabi, Sultan Qaboos University, *Quantitative Analysis of Risk of flash flooding for Muscat Urban Area with Integration of Social Data.*

4:00 Wing H Cheung, MS*, Department of Planning, Policy and Design, University of California-Irvine, CA; Douglas Houston, PhD, Department of Planning, Policy and Design, University of California-Irvine, CA; Beth Karlin, PhD, School of Social Ecology, University of California-Irvine, CA; Jochen Schubert, PhD, Department of Civil and Environmental Engineering, University of California-Irvine, CA; Victoria Basolo, PhD, Department of Planning, Policy and Design, University of California-Irvine, CA; Abigail Reyes, JD, Sustainability Initiative, University of California-Irvine, CA; Richard Matthew, PhD, Department of Planning, Policy and Design, University of California-Irvine, CA; Brett Sanders, PhD, Department of Civil and Environmental Engineering, University of California-Irvine, CA; David Feldman, PhD, Department of Planning, Policy and Design, University of California-Irvine, CA; Kristen Goodrich, MS, School of Social Ecology, University of California-Irvine, CA; Kimberly Serrano, MA, Sustainability

Initiative, University of California-Irvine, CA; Santana Contreras, MS, Department of Planning, Policy and Design, University of California-Irvine, CA; Adam Luke, Department of Civil and Environmental Engineering, University of California-Irvine, CA, *Coproduction of flood hazard assessment with public participation geographic information system.*

4:20 Thomas RR Johnston*, University of Lethbridge, *The 2013 Alberta Flood: An Assessment of the Provincial Response.*

4:40 Yunuen Reygadas Langarica*, Texas State University - San Marcos, *Change in Flood Hazard in Four Sub-Basins of South Morelia City, Mexico, 1995-2050.*

2579. Geography of Historic Conservation II (Sponsored by Paleoenvironmental Change Specialty Group, Historical Geography Specialty Group, Geomorphology Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Gregory A. Pope, Montclair State University
CHAIR(S): Deborah Chatr Aryamontri, Montclair State University

3:20 Melanie Sand*, Cornell University, *Sacred Today, Gone Tomorrow: Why Historic Preservation Laws Manufacture Conflict for Southeast Louisiana's Disappearing American Indian Mounds.*

3:40 Susan Wolfenbarger, Ph.D.*, American Association for the Advancement of Science, *Geospatial Technologies in Cultural Heritage Preservation and Documentation.*

4:00 Brian I. Daniels*, University of Pennsylvania Museum, *Studying Cultural Heritage Destruction.*

4:20 Brian J. Sommers*, Central Connecticut State University, *Wooden Synagogues and Historic Preservation in Lithuania's Countryside.*

4:40 Deborah Chatr Aryamontri, PhD*, Montclair State University, *Archaeology of landscape: a case study in strategic planning and integrated research methods for the landscape reconstruction of the "Villa degli Antonini".*

2580. Peri-urban spaces in the neoliberal Americas 1 (Sponsored by Cultural Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Nadine Reis, Department of Geography, University of Bonn; Michael Lukas, Universidad De Chile

CHAIR(S): Nadine Reis, Department of Geography, University of Bonn

3:20 Anne-Marie Hanson, PhD*, University of Illinois - Springfield, *Gender and class at the intersection of everyday urban waste practices in the neoliberal coastal wetlands of Yucatán.*

3:40 Claudia Fonseca Alfaro*, Malmö University, *Planetary urbanization? Maquiladoras and the production of space in Yucatán, Mexico.*

4:00 Ana Julia Cabrera Pacheco*, University of Leeds, *The urban beyond the city in Mexico: the transformations of the Maya solar of Yucatan.*

4:20 Clara Eugenia Salazar*, El Colegio de México A. C.; Clara Eugenia Salazar, El Colegio de México, *Privatization of ejidos in urban periphery: the iron fist in a velvet glove?.*

Discussant(s): Beatriz Bustos, Universidad de Chile

2581. Urban transformation processes: The role of flagship architecture as urban generator 4- Local specificities and globally circulating policies

Room: Caracas, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Nadia Alaily-Mattar, Munich University of Technology; Johannes Dreher, Technical University Munich; Alain Thierstein, Munich University of Technology

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- CHAIR(S): Alain Thierstein, Munich University of Technology
3:20 Robert Allen Sirk*, Austin Peay State University, *Brand Confusion: Clarksville, TN, As the Top Spot to be the Queen City of the New South.*
3:40 Hans Kjetil Lysgaard, Professor/phd.*, University of Agder, *The assemblage of culture-led policies in small towns and rural communities.*
4:00 Shu-Yi Chiu*, Assistant Professor, Department of Arts and Creative Industries, National Dong Hwa University; Wen-I Lin, Assistant Professor, Graduate Institute of Urban Planning, National Taipei University, *The Experience Economy and Esthetic Authenticity of Creative Quarter in Taipei City: The Case of Ximen Red House.*
4:20 Thomas A. Hutton*, University Of British Columbia, *Capital, Culture and Governance in the Reproduction of Space in London.*
 Discussant(s): Maria Gravari, IREST
- 2582. What next for the 'shadow state': Geographies of voluntarism and the voluntary sector - I (Sponsored by Cultural Geography Specialty Group)**
Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Sarah Mills, Loughborough University; Catherine Waite, Loughborough University
 CHAIR(S): Catherine Waite, Loughborough University
3:20 Sarah Mills*, Loughborough University; Catherine Waite, Loughborough University, *Britain's first neoliberal youth movement? National Citizen Service and the delivery of youth work in an age of austerity.*
3:40 Thea Hewitt*, The University of Melbourne, *Citizenship and the Shadow State Under Australia's Harsh Refugee Policy.*
4:00 Alison McIntosh*, Simon Fraser University, *Staffing the shadow state: Politics and practicality among Greater Vancouver's health and social service providers.*
4:20 Joe Penny*, University College London, *Cooperating with Austerity? The ambiguous politics of the 'shadow state' at a time of fiscal retrenchment and state restructuring in London.*
 Discussant(s): Jennifer R. Wolch, University of California, Berkeley
- 2583. Decolonial Futures II**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Margaret Marietta Ramirez, University of Washington, Seattle; Michelle D. Daigle, University of Washington
 CHAIR(S): Michelle D. Daigle, University of Washington
 Introducer: Michelle D. Daigle
 Panelists: Asha Best, Rutgers University; May Farrales, Geography, University of British Columbia; Geraldine J. Pratt, University Of British Columbia; Margaret Marietta Ramirez, University of Washington, Seattle
- 2584. Middle-Class Cities of the Global South? 2: Inhabiting the Middle (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**
Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Ryan Centner, London School of Economics; Harry Pettit, London School of Economics
 CHAIR(S): Ryan Centner, London School of Economics
3:20 Nicholas Luca Simcik-Arese*, University of Oxford, *Dreams and Illusions of the Suburban Self: Variations on Propertied Autonomy and Behavioural Governance in Cairo's First Affordable Gated Community.*
3:40 Andrew Brooks*, King's College London, *Is Africa Rising? Narratives of Development Success and Failure in Maputo, Mozambique.*
4:00 Gregory Ortiz*, University of Oxford, *The Marginalized Middle: New manifestations of citizenship for contested middle-class youth in Delhi..*
- 4:20** Maria Luisa Mendez, Dr.*, Universidad Diego Portales; Modesto Gayo*, Universidad Diego Portales, *Upper middle class reproduction in Santiago: how to reproduce privilege in a context of increasing wealth.*
 Discussant(s): Malini Ranganathan, American University
- 2585. Mobilising and claiming citizenship in constrained public spheres: Technology, engagement, practice I (Sponsored by Cultural Geography Specialty Group)**
Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Lucy Jackson, University of Liverpool; Daniel Hammett, University of Sheffield
 CHAIR(S): Daniel Hammett, University of Sheffield
3:20 Junjia Ye, Dr.*, Massey University; Brenda Yeoh, Prof., National University of Singapore, *Navigating social support: citizenship, precarity and diversity in Singapore.*
3:40 Mariela Gaete Reyes*, Universidad De Chile, *Performing everyday citizenship in constrained environments: the mobility practices of women wheelchair users.*
4:00 Daniel Hammett*, University of Sheffield; Lucy Jackson*, University of Liverpool, *Developing a 'Civil' Society in Partial Democracies: Citizens, In/Civility and a Critical Public Sphere.*
4:20 Johanne Orchard-Webb*, University of Brighton; Neil Ravenscroft, University of Brighton; Alexandra Plows, Bangor University; Andrew Church, University of Brighton, *Hydro-citizenship? Fusing citizenship and gift theory to explore the boundaries of our rights to and relations with water places.*
- 2586. Seniors' Mobilities I: Meanings, Affects and Drivers (Sponsored by Cultural Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Weiqiang Lin, National University of Singapore; Jean-Baptiste Fretigny, Universite de Cergy-Pontoise
 CHAIR(S): Weiqiang Lin, National University of Singapore
3:20 James Esson*, Loughborough University; Katherine V Gough, Loughborough University; Paul W K Yankson, University of Ghana, *Surviving Through Movement: Exploring the Mobility of Elderly Ghanaians' in Accra and Sekondi-Takoradi.*
3:40 Paola Jiron, Prof., Universidad de Chile; Ojeda Ledesma Lautaro, Dr. *, Universidad De Valparaiso, *Intervening spaces for the elderly based on daily mobility experiences in Santiago and Valparaiso, Chile.*
4:00 Deborah Mifsud, M.Sc., University of Malta; Maria Attard, Ph.D. *, University Of Malta; Stephen G. Ison, Ph.D., Loughborough University, *Malta's Ageing Society: Determinants affecting elderly travel behaviour.*
4:20 Katherine Brookfield*, University of Edinburgh; Gillian Mead, Professor, University of Edinburgh; Iain Scott, University of Edinburgh; John Starr, Professor, University of Edinburgh; Neil Thin, PhD, University of Edinburgh; Anthea Tinker, Professor, King's College London; Catharine Ward Thompson, Professor, University of Edinburgh, *Everyday aspects of urban environments and older adults' outdoor mobility.*
4:40 Sara Tilley, PhD*, University of Edinburgh; Neil Thin, PhD, University of Edinburgh; Catharine Ward Thompson, PhD, University of Edinburgh, *Mobility choices in older adults: the role of emotional responses to place.*

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2587. Gentrification: Mutated or Eclipsed? II: Social Strata and Positionalities

- Room:* Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): John Stehlin, University of California, Berkeley; Rachel Brahinsky, University of San Francisco
 CHAIR(S): Sarah S. Hosman, Boston University
 3:20 Rachel Brahinsky*, University of San Francisco, *Against inevitability.*
 3:40 Alfredo Huante*, University of Southern California, *A Lighter Shade of Brown?: Gentrification and Racial Reordering in a L.A. Barrio..*
 4:00 Alison Alkon*, University of the Pacific; Josh Cadji, Phat Beets Produce, *Gentrification and Urban Agriculture: Exploring the Intersections.*
 4:20 Zaire Dinzey-Flores, Ph.D.*, Rutgers University, *The Racial Aesthetics of Real Estate Values in Brooklyn.*
 4:40 Sarah S. Hosman*, Boston University, *Allston, MA: Blurring the Boundaries between Gentrification and Decline.*

2588. Transformations of property and land in the contemporary political economy I: Land trusts and commons: Housing and Gentrification (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

- Room:* Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Deborah G. Martin, Clark University; Olivia R. Williams, Florida State University Dept of Geography; Joseph Pierce, Florida State University
 CHAIR(S): Olivia R. Williams, Florida State University Dept of Geography
 3:20 Deborah G. Martin*, Clark University; Azadeh Hadzadeh Esfahani*, Clark University; James DeFilippis, Rutgers University; Joseph Pierce, Florida State University; Olivia Williams, Florida State University, *The spatial politics of alternative property interventions: housing and community land trusts in the Twin Cities, Minnesota.*
 3:40 Olivia R. Williams*, Florida State University Dept of Geography; Joseph Pierce, PhD, Florida State University Dept of Geography, *Inserting scales of urban politics: The possibilities for community land trusts as meso-urban governance shims.*
 4:00 John Krinsky*, The City College of New York; Hillary Caldwell, CUNY - Graduate Center, *Community Land Trusts and the Geographical Imagination of Anti-Gentrification Struggles in New York City.*
 4:20 James C. Fraser, Vanderbilt University; Katherine B. Hankins*, Georgia State University, *Beyond Gentrification: Revealing the Spatial Multiplicity of Urban Neighborhood Development.*
 Discussant(s): Amanda Huron, University of the District of Columbia

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Poster Sessions for Wednesday are located on pages 158-165.

- 2601. The Architecture of Capital 5: Tactics**
Room: *Golden Gate 1, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Adam Kaasa, Royal College of Art; Pushpa Arabindoo, University College London
 CHAIR(S): Adam Kaasa, Royal College of Art
5:20 Lara Belkind, PhD Candidate*, Harvard University, *Negotiating urban development in the fragmented metropolis: Architecture as territorial choreography in Greater Paris.*
5:40 Lisbet Harboe*, The Oslo School of Architecture and Design, *Both idealistic and pragmatic: Young architectural practices.*
6:00 Jane Hall*, Royal College of Art, *In It Together: The Architectural Collective as an Emerging Model for Practice in Brazil and the UK.*
6:20 Gerhard Bruyns*, Hong Kong Polytechnic University, *Interior-Tectonic-Landscapes, Architectural Displacement and the Empowerment of Interiority as Territorial Construct..*
 Discussant(s): Miguel Robles-Duran, New School University
- 2602. Higher Education Program & Curriculum B (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)**
Room: *Golden Gate 2, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Arthur Gill Green, University of British Columbia
5:20 Rachel Berndtson, Ph.D.*, University of Maryland, *Student motivations and perceptions surrounding online education: An exploratory study.*
5:40 Susan E. Hume, PhD*, Southern Illinois University Edwardsville, *Improving Recruitment & Retention by Better Understanding Geography Majors.*
6:00 Chao Ye*, Nanjing Normal University, *Is education a right? : Production of bulletin board space based on a comparison between UBC and Xianlin University town of China.*
6:20 Xiaojun You*, East China Normal University, *A preliminary study on university agglomerations and research collaboration within: Evidence from the US.*
6:40 Arthur Gill Green, PhD*, University of British Columbia; Sally Hermansen, Senior Instructor, UBC; Loch Brown, PhD, UBC; Derek Turner, PhD, UBC, *The Pedagogy of Open Science: Impacts of the 'Open Turn' on Geographic Research, Teaching, and Learning.*
- 2603. The economy of cities: 10 governance and governmentality**
Room: *Golden Gate 3, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): John Miron, University of Toronto
 CHAIR(S): HaeRan Shin, Seoul National University
5:20 Abdul Alim Habib*, Queens University, *Floods, deaths, and bulldozers: exploring 'disaster governmentality' in post-June 3rd disaster Accra, Ghana.*
5:40 Bokyong Shin*, University of Helsinki, *Sharing economy in urban governance: Policy Instrument approach on Sharing Seoul Policy.*
6:00 Nanja Christina Nagorny*, Goethe University Frankfurt/M, Germany, *Cities in (Climate) Change?.*
6:20 Lukasz Mikula*, Adam Mickiewicz University in Poznan; Tomasz Kaczmarek, Adam Mickiewicz University in Poznan, *Urban sprawl in post-socialist Europe: public control, market forces and metropolitan governance.*
6:40 HaeRan Shin*, Seoul National University; Kyung Eun Lee*, Seoul National University, *Do revolving doors help urban governance? - From cooperative conflict to conflictive cooperation within Seoul's governance.*
- 2604. Fostering Sustainability in the Tropics III**
Room: *Golden Gate 4, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Claudia Stickler, Earth Innovation Institute;
- David Gibbs McGrath, Earth Innovation Institute; Maria DiGiano, Earth Innovation Institute
 CHAIR(S): David Gibbs McGrath, Earth Innovation Institute
5:20 Briana Swette, M.S.*, Earth Innovation Institute; Elsa Mendoza, M.S., Earth Innovation Institute; Maria DiGiano, PhD, Earth Innovation Institute, *The Contributions of an Emerging Model of Polycentric Forest Governance to Reduce Deforestation and Degradation in the Southwest Amazon.*
5:40 Charles Mwangi*, Green Belt Movement, *An integrated landscape approach to watershed restoration and socio-cultural engagement in Kenya.*
6:00 Jose Antonio Montero, Pronatura Sur A.C.; Silvia Llamas*, Pronatura Sur A.C., *Contrasts of Territorial Management in Chiapas.*
6:20 Ane Alencar, PhD*, Instituto de Pesquisa Ambiental da Amazonia - IPAM; Valderli Piontekowsky, Ms, Instituto de Pesquisa Ambiental da Amazonia - IPAM; Camila Balzani Marques, Instituto de Pesquisa Ambiental da Amazonia - IPAM, *Deforestation Scenarios for the Tapajos River Hidroelétric Complex in Central Amazonia.*
 Discussant(s): David Gibbs McGrath, Earth Innovation Institute
- 2605. Modeling and preventing infectious diseases (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Golden Gate 5, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Eric M. Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Eric M. Delmelle, University of North Carolina at Charlotte
5:20 J.T. Bandzuh*, Virginia Tech; Korine Kolivras, Ph.D., Virginia Tech; Luke Juran, Ph.D., Virginia Tech, *Actions to combat Aedes mosquitoes and prevent mosquito-borne diseases in Costa Rica.*
5:40 Ivan J Ramirez*, The New School; Sue C Grady, Michigan State University, *Mediated Dynamics between Climate and Cholera Incidence in northern Peru during the historic El Niño of 1997-98.*
6:00 Apostolia Galani*, National and Kapodistrian University of Athens; Nausica Kapsala, National and Kapodistrian University of Athens; Evangelia Mavrikaki, National and Kapodistrian University of Athens, *Using Storytelling in teaching Health Geography: The Cholera Outbreak in London and Greece in 1854.*
6:20 Ian Kracalik*, Spatial Epidemiology and ecology Research Lab, Department of Geography, University of Florida; Rita Ismayilova, MD, Anti-Plague Station Baku, Azerbaijan; Mehriban Baghirova, PhD, State Veterinary Service, Baku, Azerbaijan; Jason K Blackburn, Spatial Epidemiology and ecology Research Lab, Department of Geography, University of Florida, *Mapping the temporal dynamics of human brucellosis before and after the implementation of a livestock control program, Azerbaijan.*
6:40 John F Mcglone*, University of North Texas; Joseph Oppong, PhD; Chetan Tiwari, PhD, *Tuberculosis Vulnerability in Tarrant County.*
- 2606. Towards a theoretical ceasefire? Empirical inquiries into the making of urban injustices and conflicts**
Room: *Golden Gate 6, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Maria Persdotter, Malmö University; Malin Josefin Mc Glinn, Malmö University
 CHAIR(S): Malin Josefin Mc Glinn, Malmö University
 Panelists: Pauline McGuirk, University of Newcastle, NSW; Luciana Maciel Bizzotto; Julia De Carvalho Nascimento, Federação das Indústrias do Estado de Minas Gerais; Maria Persdotter, Malmö University; Ingrid Jerve Ramsøy, Malmö University; Malin Josefin Mc Glinn, Malmö University

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- 2607. Land use and land cover modeling with CyberGIS**
Room: *Golden Gate 7, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Wenpeng Feng; Wenwu Tang, University of North Carolina at Charlotte
 CHAIR(S): Wenpeng Feng
5:20 Wenpeng Feng*, UNC Charlotte; Wenwu Tang, UNC Charlotte; Minrui Zheng, UNC Charlotte, *Explore urban sprawl with a cyberinfrastructure-enabled agent-based modeling: Local decision-making and its consequences.*
5:40 Taiye Oluwafemi Adewuyi*, Nigerian Defence Academy, *The Emerging Land Use Pattern of Afaka Forest, the Driving Forces and Implication on Land Degradation.*
6:00 Nan Ding*, University at Buffalo, *Analyzing land-use - commute relationships in different geographical scales: A LEHD-based approach.*
6:20 Jorge V. Ruiz*, Universidad Pedagógica Y Tecnológica de Colombia and University of California, Santa Barbara; Kevin Mwenda, UCSB, *Modelling woody vegetation cover change in Boyaca, Colombia, using OLS, GWR and Random Forests.*
- 2608. Urban agriculture: interdisciplinary perspectives on welfare and resilience**
Room: *Golden Gate 8, Hilton Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Imogen Bellwood-Howard, Georg-August Universität Göttingen
 CHAIR(S): Leslie Gray, Santa Clara University
5:20 Lucy Diekmann*, Santa Clara University; Leslie Gray, Santa Clara University, *Assessing the Impacts of Urban Agriculture in Santa Clara County, California.*
5:40 Lesley Hope*, Institute of Development and Development Policy Research, Ruhr University; Martina Shakya, Institute of Development Research and Development Policy Research; Wilhelm Loewenstein, Institute of Development Research and Development Policy Research, *Assessing the welfare impact of biochar incorporation on urban farmers in Tamale and Ouagadougou.*
6:00 Marc Hansen, M.Sc.*, Institute of Development Research and Development Policy; Wilhelm Löwenstein, Prof., Institute of Development Research and Development Policy; Martina Shakya, Dr., Institute of Development Research and Development Policy, *The Welfare Impact of Agricultural Productivity Enhancements- An Economic Evaluation of Bio-Char as a Soil Amendment for Urban Vegetable Markets in West Africa.*
6:20 Courtney M Gallaher*, Northern Illinois University, *Using urban agriculture to improve adaptive capacity in the context of climate change and urbanization in Lilongwe, Malawi.*
6:40 Antoinette MGA. WinklerPrins*, Johns Hopkins University, *The Future of Global Urban Agriculture.*
- 2609. Methods & fieldwork in political ecology: How we do the work we do and how we might do it better (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Qualitative Research Specialty Group)**
Room: *Plaza A, Hilton Hotel, Lobby Level* (Interactive Short Paper Session)
 ORGANIZER(S): Colleen C. Hiner, Texas State University; Michael H. Finewood, Pace University
 CHAIR(S): Innisfree Mckinnon, University of Wisconsin Stout
5:20 Russell C Hedberg*, Pennsylvania State University, *Mixing Methods in Political Ecology: Combining Qualitative Research with Biophysical Science.*
5:25 Sophie Sapp Moore, PhD Candidate*, UC Davis, *Walking, singing, working: Three field methods for a micro-political agroecology.*
5:30 Rami Zurayk*, American University of Beirut; Cynthia Gharios, American University of Beirut; Saker El Nour, American University of Beirut; Martha Mundy, London School of Economics and Political Science, *How Far Can We Go In Data-Poor, High-Security Environments? Studying The Political Ecology of Agrarian Change In South Lebanon..*
5:35 Lakshman Kalasapudi*, University of Manitoba, *Everyday practices in political ecology.*
5:40 Dean Hardy*, University of Georgia, *Seeing sea-level rise through mixed methods and multiple epistemologies.*
5:45 Catherine Day, M.S.*, UW-Madison, *Network political ecology: Analyzing New Mexican farmer adaptation in the face of climatic change.*
5:50 Julie Velasquez Runk*, University of Georgia, *Smart phones, GoPros, and drones: Using new and established technologies in collaborative political ecology fieldwork.*
5:55 Alberto Valdivia*, UC Davis, *Decolonizing Political Ecology.*
 Discussant(s): Ingrid Behrsin; Eric Nost, University of Wisconsin-Madison; Creighton Connolly, School of Environment and Development; Ingrid L. Nelson, University of Vermont; Nathan F. Sayre, University of California, Berkeley; Jeffrey S. Jenkins, University of California, Santa Cruz; Levi Van Sant, University of Georgia; Ryan Edward Galt, University of California - Davis; Garrett Wolf, Marstel-Day, LLC; Hilary Oliva Faxon, Cornell University; Joel Correia, University of Colorado At Boulder; Brittany Davis, Allegheny College
- 2610. Map Jam: Map with fellow Geographers (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: *Plaza B, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
- 2611. People, Biota and the Environment in Cultural History: Honoring Daniel Gade 3 (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Historical Geography Specialty Group)**
Room: *Continental 1, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Gregory W. Knapp, University Of Texas - Austin; Kent Mathewson, Louisiana State University
 CHAIR(S): Gregory W. Knapp, University Of Texas - Austin
 Panelists: William M. Denevan, University of Wisconsin Madison; Stanley D. Brunn, University of Kentucky; William George Lovell, Queen's University; Peter H. Herlihy, University of Kansas; Kent Mathewson, Louisiana State University; Douglas L. Johnson, Clark University
- 2612. Local Environment Twentieth Anniversary Panel: Justice and Sustainability the Next 20 years (Sponsored by Routledge)**
Room: *Continental 2, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; Julian Agyeman, Tufts University
 CHAIR(S): Rob Krueger, Worcester Polytechnic Institute
 Introducer: Julian Agyeman
 Panelists: David Schlosberg; Constanza Parra; Mark Davidson, Clark University; Anna Davies, Trinity College Dublin; Yasminah Beebejeaun; Susan Buckingham; Alison Alkon, University of California, Davis; Rob Krueger, Worcester Polytechnic Institute
- 2613. Cultural Geography Specialty Group Marquee Address by Dr. Jennifer Wolch, "Animals in Design: Objects, Subjects, or Materials?" (Sponsored by Cultural Geography Specialty Group)**
Room: *Continental 3, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Nicholas Jon Crane, Ohio Wesleyan University; Joni M. Palmer, University of Colorado at

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- Boulder
CHAIR(S): Nicholas Jon Crane, Ohio Wesleyan University
Introducer: Joni M. Palmer
Introducer: Nicholas Jon Crane
Panelists: Jennifer R. Wolch, University of California, Berkeley
- 2615. The 2016 Antipode AAG Lecture (Sponsored by Wiley)**
Room: Continental 5, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Sharad Chari, University of the Witwatersrand
CHAIR(S): Sharad Chari, University of the Witwatersrand
Introducer: Sharad Chari
Panelists: Michael Watts, University Of California
- 2616. Symposium on Physical Geography: Challenges of the “Anthropocene” II: The Early “Anthropocene” (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Historical Geography Specialty Group, Geomorphology Specialty Group, Water Resources Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme)**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Anne Chin, University of Colorado Denver; Sheryl Luzzadder-Beach, University of Texas-Austin; Glen M. MacDonald, UCLA
CHAIR(S): Sheryl Luzzadder-Beach, University of Texas-Austin
Introducer: Charles W. Lafon
5:20 Suzanne Elizabeth Pilaar Birch, PhD*, University of Georgia, *When did the Anthropocene really begin? An archaeologist’s perspective..*
5:40 Tripti Bhattacharya*, University of California, Berkeley, *Mechanisms underlying Early Medieval Droughts in Mesoamerica.*
6:00 Dorothy J Merritts, Ph D*, Franklin and Marshall College; Robert C Walter, Ph D, Franklin and Marshall College, Lancaster, PA, *Buried landscapes and the early Anthropocene in eastern North America.*
Discussant(s): L Allan James, University Of South Carolina
- 2617. How do we ‘do’ military studies 2: Everyday militarism and its challenges (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group)**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Alice Cree, Durham University; Bethany Ysabel Cuffe-Fuller
CHAIR(S): Matthew Farish, University of Toronto
Introducer: Bethany Ysabel Cuffe-Fuller
5:40 Jenna Christian*, Pennsylvania State University, *Civilian/ military as subjects of empathy/critique: Moving beyond “the military” monolith in work with U.S. military recruiters, JROTC instructors, and potential enlistees.*
6:00 Kevin P Smythe*, Curtin University, *Qantas and USN Catalinas Operating from Perth Western Australia 1942-45.*
6:20 Tara Woodyer*, University of Portsmouth; Sean Carter, University of Exeter; Matthew Rech, University of Exeter; Diana Martin, University of Portsmouth, *Doing ludic geopolitics: researching everyday militarism through children’s play.*
Discussant(s): Matthew Farish, University of Toronto
- 2618. Dendrochronology IV: Dendrochronological Applications (Sponsored by Biogeography Specialty Group)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Travis J. Matheus, Indiana University; Aquila Flower, Western Washington University
CHAIR(S): Travis J. Matheus, Indiana University
5:20 Aaron Teets*, School of Forest Resources, University of Maine; Shawn Fraver, PhD, School of Forest Resources, University of Maine; David Hollinger, PhD, USDA Forest Service, Northern Research Station, *Testing the link between tree-biomass increment and*
- CO2 flux: 20 years of eddy covariance data from the Howland Forest, Maine.*
- 5:40** Franco Biondi*, DendroLab, University of Nevada; Sergio Rossi; Scotty Strachan; Emanuele Ziaco, *Dendrometer Studies of Great Basin Conifers.*
- 6:00** Brita Lorentzen*, Cornell University, *Variability in Levantine Tree-Ring Records and Its Applications in Dendrochronological Dating, Provenancing, and Environmental History.*
- 6:20** Travis J. Matheus*, Indiana University; Justin T Maxwell, Indiana University Bloomington, *Methods for Analyzing Late Wood Ring Widths for the Climate Signal of Pinion Pine.*
Discussant(s): Clay Tucker, Louisiana State University
- 2619. Speed-Dating with an NSF Program Officer (Opportunity 1 of 3) (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Thomas J. Baerwald, National Science Foundation
CHAIR(S): Thomas J. Baerwald, National Science Foundation
Discussant(s): Holly M. Hapke, National Science Foundation; Sunil Narumalani, National Science Foundation; Thomas J. Baerwald, National Science Foundation
- 2620. Sessions in honor of Cort Willmott, III: Quantitative methods. (Sponsored by Climate Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Brian Hanson, University of Delaware; Petra A. Zimmermann, Ball State University
CHAIR(S): Petra A. Zimmermann, Ball State University
5:20 James E. Burt*, University of Wisconsin - Madison, *Inspired by Willmott: Some Research Examples.*
5:40 Johannes J. Feddema*, University of Victoria, *Willmott’s innovation to the climatic moisture index: why it matters.*
6:00 Robert Gilmore Pontius, Jr.*, Clark University, *Four recommended measurements to summarize paired observations: Going MAD with Willmott.*
6:20 Scott M. Robeson*, Indiana University, *Trends in Spatial Distributions of Drought.*
6:40 Petra A. Zimmermann*, Ball State University, *Does Climate Have a Role in the Definition of Local Foods?.*
- 2621. The Politics and Ethics of Vulnerability: Exploring Methodologies for Rights and Justice-Based Research and Praxis II (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)**
Room: Franciscan B, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Audra El Vilaly, The University of Arizona; Azita Ranjbar, Pennsylvania State University
CHAIR(S): Audra El Vilaly, The University of Arizona
Discussant(s): Jennifer Fluri, University of Colorado, Boulder
Panelists: Patricia J. Lopez, Dartmouth College; Geoffrey Boyce, University of Arizona; Lindsay Shade, University of Kentucky; Eija Susanna Meriläinen; Azita Ranjbar, Pennsylvania State University
- 2622. Educational Tools for Spatial Thinking**
Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): James A. Brey, American Meteorological Society
5:20 Patrick M Berner*, Hexagon Geospatial, *The Map of the Future - Geospatial Analytics in Education.*
5:40 Zuriel Anne Rasmussen, MS Geography*, Portland State University, *Reducing Human-coyote Conflict with Citizen Science.*
6:00 J. M. Pogodzinski*, San Jose State University, *Common Core Testing: Determinants of Outcomes.*
6:20 Pierre Jacques Callies, M.B.A. and M.G.I.S degrees - Faculty*, Normandale Community College, University of Saint Thomas, *Teaching G.I.S. for Business.*

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- 6:40** James A. Brey*, American Meteorological Society; Chad Kauffman; Ira W. Geer, American Meteorological Society; Kira A. Nugnes, American Meteorological Society; Abigail E. Stimach, American Meteorological Society, *Telling the Story of the Interaction Between Humans and Earth's Climate System with AMS E-Books.*
- 2623. Reimagining 'smart' and low-carbon urbanism**
Room: *Franciscan D, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Rachel Macrorie, Urban Institute, University of Sheffield; Matt Watson, University of Sheffield
 CHAIR(S): Matt Watson, University of Sheffield
5:20 Rachel Macrorie, Dr.*, Urban Institute, University of Sheffield, *Uncovering networks, nodes and nuances: A 'systems of practice' approach to low-energy housing..*
5:40 Stanley Blue*, Lancaster University, *Institutional Rhythms: The Socio-Temporal Organisation of Energy Demanding Practices.*
6:00 Nikolas Thomopoulos*, University of Greenwich, *Can 'green' urbanism aid in mobility management? An evaluation of Carbon Quids.*
6:20 Matt Watson*, University of Sheffield, *Infrastructure: the co-constitution of urban transport infrastructure and everyday cycling.*
- 2624. Memorial Service for Susan Hardwick (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Ethnic Geography Specialty Group)**
Room: *Imperial A, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Wei Li, Arizona State University; David H. Kaplan, Kent State University; Alexander B. Murphy, University of Oregon
 CHAIR(S): Alexander B. Murphy, University of Oregon
- 2625. GeoHumanities Event III: Special Session featuring Rebecca Solnit and Joshua Jelly-Schapiro: "Mapping the Infinite City" - Featured Session**
Room: *Imperial B, Hilton Hotel, Ballroom Level* (Panel Session)
 Organizer and Chair: **Douglas Richardson**, American Association of Geographers
 Introduction: **Douglas Richardson**, American Association of Geographers
 Keynote Speakers:
Rebecca Solnit, writer, historian, and activist
Joshua Jelly-Schapiro, New York University
 When the trilogy Rebecca Solnit and a host of collaborators launched in 2010 with *Infinite City: A San Francisco Atlas* concludes with the New York atlas co-directed by geographer Joshua Jelly-Schapiro. The teams will have produced three books and 70 maps making postulates about both the nature of cities and the possibilities of contemporary cartography. This talk will explore what maps can do, or at least what these particular maps do, the ways these projects are counters to the rise of digital navigation and celebrations of what maps did in other eras, and how cartography lets us grasp or at least gaze at the inexhaustibility of every city, the innumerable ways it can be mapped.
- 2626. Spatiotemporal Symposium: Achievements, Gaps, and Future of Spatiotemporal Studies (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Yosemite A, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Min Sun, George Mason University; Weihe Wendy Guan, Harvard University; Manzhou Yu, George Mason University
 CHAIR(S): Michael F. Goodchild, University of California
 Discussant(s): Chaowei Yang, George Mason University
- Panelists: Daniel A. Griffith, U. of Texas at Dallas; Mei-Po Kwan, University of Illinois at Urbana-Champaign; David W. Wong, George Mason University; Diangsheng Guo, University Of South Carolina; Keith C. Clarke, University Of California, Santa Barbara
- 2628. Geographies of Media IX: Muscapes and Spaces of Music (1) (Sponsored by Communication Geography Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Laura Sharp, University of Arizona
 CHAIR(S): Joseph Palis, University of the Philippines-Diliman
5:20 Caitlin Grann*, University of New Mexico, *Ghost Bikes: A Trialectical Journey into the Place of Music within Grassroots Memorials.*
5:40 John Byron Strait, Professor of Geography*, Sam Houston State University, *The Impact of Aloha on the Birthplace of the Blues: The Hawaiian Roots of the Slide Guitar.*
6:00 Tyler Sonnichsen*, University of Tennessee, *Finding the Washington, DC Landscape in French Punk.*
6:20 Douglas L. Allen*, Florida State University, *"We are a New Race": Booker T. Washington's Use of Music in the Placing of a New Negro Image.*
 Discussant(s): Ola Johansson, University of Pittsburgh at Johnstown
- 2629. The Puerto Rican Crisis: A Geographic Issue**
Room: *Union Square 2, Hilton Hotel, 4th Floor* (Panel Session)
 ORGANIZER(S): Isis Colon
 CHAIR(S): Isis Colon
 Discussant(s): Carlos J. Guilbe, University of Puerto Rico; Ivelisse Perez, Universidad Metropolitana; Rafael R. Diaz-Torres, University of Puerto Rico; Isis Colon; Jorge Zambrana, SUNY Binghamton; Rafael Perez
- 2630. Conceptualising Lifestyles, Work and Leisure Mobilities Through the Lifecourse (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Kevin Hannam, Edinburgh Napier University; Honggang Xu, Sun Yat-sen University
 CHAIR(S): Honggang Xu, Sun Yat-sen University
5:20 Natalie Maria Stors*, University of Trier, *Dissolving tourist-resident binaries or how performances may change a city - A case study of Airbnb in Berlin.*
5:40 Honggang Xu*, Sun Yat-sen University; Qingming Cui, Sun Yat-sen University; Mengxi Li, Sun Yat-sen University, *Home of lifestyle tourism entrepreneur in Dali China.*
6:00 Kevin Hannam*, Edinburgh Napier University, *Labour Mobilities and Qatar's Tourism Human Capital Development Strategy for the FIFA World Cup 2022 and Beyond.*
6:20 Claire Holland*, Sheffield Hallam University, *Lifestyle mobilities: the manipulation of hospitality and tourism work over a life course.*
- 2631. Contemporary Issues in Rural China II (Sponsored by China Specialty Group, Rural Geography Specialty Group, Asian Geography Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Gregory Veeck, Western Michigan University; Stanley Toops, Miami University
 CHAIR(S): Stanley Toops, Miami University
5:20 Mingrui SHEN*, Chinese University of Hong Kong, *Cooperative, Household Farm and Grassroots Governance in Farming: A Case Study of Xinhui Village in Nanjing, China.*
5:40 Xiaoman LIU*; Xiaolong LUO; Jianfa SHEN, *Rural Shrinking in China's Mass Urbanization.*
6:00 Zhendong Luo*, Nanjing University; Lu Xia, Nanjing University; Lei Geng, Nanjing University; Heming

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He, Nanjing University, *Labor Division and Expense Priority: Microcosmic Explanation of Rural Urbanization in China from the perspective of family.*

- 6:20** Gregory Veeck*, Western Michigan University, *The effect of provincial price fluctuations on grain production in China: 2003 - 2015.*

Discussant(s): Stanley Toops, Miami University

2632. Making Cities Creative: New Trends and Directions

Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Ulrike Gerhard, Heidelberg University; David Wilson, University Of Illinois

CHAIR(S): David Wilson, University Of Illinois

- 5:20** Jonah White*, Michigan State University, *Seattle as a Divided City: Creative Class, Sustainability, and the Gentrification Conflict.*

- 5:40** Euan Hague*, DePaul University, *"Wildly Out Of Line With Other University Policies" - Stadium building at the neoliberal university.*

- 6:00** David Wilson*, University Of Illinois, *Cities Going Creative As Conceal and Control Project: the Role of Planetary Urbanization. David Wilson, Department of Geography, University of Illinois at Urbana-Champaign, Champaign Ill. dwilson2@illinois.edu.*

Discussant(s): Christina Maria West; David Louis Giband, UPVD

2633. Population Measurement (Sponsored by Population Specialty Group)

Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Seth E. Spielman, University of Colorado

CHAIR(S): Parmanand Sinha, University of Tennessee

- 5:20** Parmanand Sinha*, University of Tennessee, Knoxville; Nicholas Nagle, University of Tennessee, Knoxville, *Effective sample size for the American Community Survey in the presence of spatial autocorrelation.*

- 5:40** Darryl T. Cohen*, U.S. Census Bureau, *Geographic Base Updating in the U.S. Census Bureau's Population Estimates.*

- 6:00** Elizabeth McBride*, University of California - Santa Barbara; Adam Davis, University of California - Santa Barbara; Miranda Schrader, University of California - Santa Barbara; Jaehyun Lee, University of California - Santa Barbara; Konstadinos Goulias, University of California - Santa Barbara, *Spatial Transferability Using Synthetic Population Generation Methods.*

- 6:20** Monica C. Medel*, Texas State University - San Marcos, *Using location based social networks to track crime.*

2634. Neighborhood satisfaction and quality of life within an urban environment2 (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)

Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Angela Antipova, University of Memphis

CHAIR(S): Andrea Blanka Szell, Kent State University

- 5:20** Andrea Blanka Szell*, Kent State University, *Environmental Measures of Accessibility to Neighborhood Parks: An Objective and Perceived Assessment in Detroit, MI.*

- 5:40** Owusua Yamoah*, University of Toledo; Beth Schlemper, University of Toledo; Sujata Shetty, University of Toledo; Victoria Stewart, University of Toledo; Kevin Czajkowski, University of Toledo; Brinda Athreya, University of Toledo, *High School Students' Citizen Mapping of Community Challenges in a Low-Income Neighborhood.*

- 6:00** Harutyun Shahumyan*, National Center for Smart Growth, University of Maryland; Chao Liu, National Center for Smart Growth, University of Maryland; Gerrit J. Knaap, National Center for Smart Growth, University of Maryland; Brendan Williams, School of Architecture, Planning and Environmental Policy, University College Dublin, *How to define "Sustainable Neighborhoods"? A comparative study of Baltimore,*

United States, and Dublin, Ireland.

- 6:20** Timothy Rosner, The MITRE Corporation; Kevin M. Curtin*, George Mason University, *Quantifying Urban Diversity: Multiple Spatial Measures of Physical, Social, and Economic Characteristics.*

- 6:40** Jennifer L Burrell*, Kent State University, *Mapping Environmental and Societal Factors as Proxies to Determine the Status of Neighborhood Recovery in Youngstown, Ohio.*

2637. Geographies of conflict, contestation, and coalescence (Sponsored by Political Geography Specialty Group, Latin America Specialty Group, Development Geographies Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Peter Wood, Florida State University; Sarah Heck, Temple University

CHAIR(S): Sarah Heck, Temple University

- 5:20** Nikolai Alexander Alvarado*, University of Denver, *Transnational Migration in the global South: Neighborhood Politics and Bi-national Alliances Between Nicaraguan Migrants and Costa Ricans in the urban slums of San José.*

- 5:40** Sushmita Kashyap*, Freie Universitaet, Berlin, *From Difference to Belonging: Youth in Affective spaces of Rio de Janeiro.*

- 6:00** Mara Nogueira*, London School of Economics, *Displacements in the context of mega-events: rights and legitimacy.*

- 6:20** Claske Dijkema*, Université Grenoble Alpes, *Urban violence as a conflict over public space, to be understood in the context of France's (post-)colonial history..*

- 6:40** Khusdeep Malhotra*, Temple University, *Identity, Difference and the Production of Space: Using Lefebvre to Examine Communal Violence in post-colonial Ahmedabad in India.*

2638. Local Knowledge, Expert Interventions: Environmental Governance in the Age of Sustainable Development (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign; Gregory Simon, University of Colorado Denver

CHAIR(S): Trevor Birkenholtz, University of Illinois at Urbana-Champaign

- 5:20** Ryan James Stock, M.S.*, Geography, University Of Illinois, Urbana Champaign - Urbana, IL, *Adaptation capture: homegrown climate resiliency in rural Gujarat despite institutional barriers.*

- 5:40** Vaishnavi Tripuraneni*, University of Wisconsin - Madison, *Crop choices in semi-arid, rainfed smallholder agriculture in India - in the context of water scarcity and indebtedness..*

- 6:00** Isaac Rivera*, The University of Colorado at Denver, *The Sustainable Development Apparatus: Towards a decolonial cookstove ethnography.*

- 6:20** Nicole M Brunner*, University of Colorado, USGS, *Examining land cover change and household fuel use in Uganda: implications for policy and carbon financing.*

- 6:40** Adrienne Kroepsch*, University of Colorado At Boulder, *The Where and the Why of Extraction: Well Pads as Sites of Technological Innovation and Contestation in the Denver-Julesburg Basin.*

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- 2639. Shrinking cities reloaded - Policies and strategies in a global context**
Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Karina Pallagst, University of Kaiserslautern; Ivonne AUDIRAC, University of Texas - Arlington
 CHAIR(S): Karina Pallagst, University of Kaiserslautern
5:20 Karina Pallagst*, University of Kaiserslautern; René Fleschurz; Siba Said, *Right sizing the shrinking city: Tales from two German cases.*
5:40 Tetsuji Uemura*, Nomura Research Institute, *Current discussion on vacant house issues and problems in Japan.*
6:00 Maxwell Hartt*, University of Waterloo, *Canadian Perceptions of Urban Shrinkage Policies, Strategies and Prospects.*
6:20 Helen Mulligan, Dr*, Cambridge Architectural Research Ltd, *The regeneration of Manchester's northern fringe: impact of policy changes on renewable energy regeneration.*
6:40 Ivonne AUDIRAC*, University of Texas - Arlington, *Shrinking cities: out of necessity cradles of urban innovation.*
- 2640. Borders of In/visibility: Competing Agendas, Narratives and Agencies in a Context of Crisis of the European "Neighbourhood"**
Room: Union Square 13, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Anna Casaglia, University of Eastern Finland; James Wesley Scott, University of Eastern Finland
 CHAIR(S): Anna Casaglia, University of Eastern Finland
 Introducer: Anna Casaglia
 Discussant(s): Jussi Laine, Karelian Institute, University of Eastern Finland
 Panelists: James Wesley Scott, University of Eastern Finland; Raffaella Coletti; Dorit Happ, Leibniz Institute for Regional Geography; Anne-Laure Amilhat Szary, Université Joseph Fourier
- 2641. Remaking the global economy V: GPNs and the environment, part 1 (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Aarti Krishnan, Global Development Institute; Stefano Ponte, Copenhagen Business School; Valentina De Marchi
 CHAIR(S): Aarti Krishnan, Global Development Institute
5:20 Aarti Krishnan*, Global Development Institute, *What's the point of environmental upgrading? Comparing Kenyan horticultural farmers supplying different end markets.*
5:40 Jane Lister, University of British Columbia; Rene' T Poulsen, Copenhagen Business School; Stefano Ponte*, Copenhagen Business School, *Buyer-driven greening? Cargo-owners and environmental upgrading in maritime shipping.*
6:00 Bradford Dubik*, Duke University Marine Laboratory, *Epidemic Shrimp Disease and the Development of Aquaculture Production Networks in Aceh, Indonesia.*
6:20 Alex Hughes*, Newcastle University; Cheryl McEwan, University Of Durham, *Environmental struggle and the entanglements of value capture in Fairtrade production networks.*
- 2643. Toward a Geographical Software Studies: methods and theory (Sponsored by Geographic Information Science and Systems Specialty Group, Political Geography Specialty Group, Cyberinfrastructure Specialty Group)**
Room: Union Square 16, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Ryan Burns, Temple University; Nick Lally, University of Wisconsin - Madison
 CHAIR(S): Nick Lally, University of Wisconsin - Madison
 Discussant(s): Keith Woodward, University of Wisconsin-Madison; Matthew W. Wilson, Harvard University
- Panelists: Elvin K. Wyly, University of British Columbia; Pip Thornton, Royal Holloway, University of London; Daniel G. Cockayne, University of Kentucky; Monica Degen
- 2645. Human-Environment**
Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Danielle Lewis, Indiana University Of Pennsylvania
5:20 Russell Fielding*, University of the South, *Mercury in Caribbean Dolphins Caught for Human Consumption: Implications for Subsistence and Conservation.*
5:40 Andrew Saunders Berens*, Georgia State University; Lawrence Kiage, PhD, Georgia State University, *Climate-induced upslope range shift rates - a meta-analysis of current literature on warming related species range shifts over elevational gradients.*
6:00 Danielle L Lewis*, Indiana University Of Pennsylvania, *Japanese Knotweed in Correlation to Nitrogen Within Soils Effect on Plant Species Diversity: Case Study of Blairsville, Pennsylvania.*
6:20 Jose Javier Hernandez Ayala*, University of Florida, *Examining the spatial characteristics of rainfall during severe drought periods in the Caribbean using CHIRPS.*
6:40 Amal Rodney Tremaine Sealy*, University of the West Indies - Mona, *Examining the Effects of the Tourism Sector on the Groundwater Resources in Molyneaux-Trents, Barbados.*
- 2646. Negotiating Water Governance: Why the Politics of Scale Matter (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Water Resources Specialty Group)**
Room: Union Square 19, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Emma S. Norman, Northwest Indian College; Alice Cohen, Acadia University
 CHAIR(S): Emma S. Norman, Northwest Indian College
 Introducer: Emma S. Norman
 Discussant(s): Alice Cohen, Acadia University
 Panelists: Kathryn Furlong, Université De Montréal; Jessica Budds; Afton Clarke-Sather, University of Delaware; Corey Johnson, University of North Carolina - Greensboro; Eve Vogel, University of Massachusetts - Amherst
- 2647. Relational Poverty 4: Welfare 'reform' and the urban geographies of poverty: Relational processes of support and punishment, resilience and displacement**
Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Sandra Zupan, Temple University; Geoffrey P. DeVerteuil, Cardiff University
 CHAIR(S): Geoffrey P. DeVerteuil, Cardiff University
5:20 Jerry Shannon*, University of Georgia; Sarah Shannon, University of Georgia; Grace Bagwell, University of Georgia; Jung Sun Lee, University of Georgia, *Stimulus and stigma: Supermarket redlining and SNAP expansion in Georgia during the Great Recession.*
5:40 Sandra Zupan*, Temple University, *Compassion and care in the homeless city: Alternative spaces of praxis in the Catholic Worker house of hospitality.*
6:00 Geoffrey P. DeVerteuil*, Cardiff University, *Welfare Reform, Spatial Mismatches and the Changing Geographies of Poverty.*
 Discussant(s): Meghan Cope, University of Vermont
- 2648. Remote Sensing/GIS/Cartography Illustrated Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Cartography Specialty Group)**
Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)

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ORGANIZER(S): Nathan S. Gill, Clark University

CHAIR(S): Nathan S. Gill, Clark University

5:20 Zuoqi Chen*, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University, Shanghai 200241, China; Bailang Yu, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University, Shanghai 200241, China; Hongxing Liu, Department of Geography, University of Cincinnati, Cincinnati, OH 45221, USA; Qiusheng Wu, Department of Geography, Binghamton University, State University of New York, Binghamton, NY 13902, USA; Kaifang Shi, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University, Shanghai 200241, China; Jianping Wu, Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University, Shanghai 200241, China, *Topographical and topological analysis of urban spatial structure using nighttime light remote sensing data.*

5:30 Min Xu*, Department of Geography, University of Cincinnati, Cincinnati, OH, 45221, USA; Hongxing Liu, Department of Geography, University of Cincinnati, Cincinnati, OH, 45221, USA; Larry Liou, NASA Glenn Research Center, Cleveland, OH, 44135, USA; John Lekki, NASA Glenn Research Center, Cleveland, OH, 44135, USA, *Comparison of Empirical Band Arithmetic Algorithms and Exploration of Locally Adaptive Algorithm for Estimating Chlorophyll-a in Inland Lakes and Rivers.*

5:40 Kyle Mullen*, Minnesota State University-Mankato, *Early Detection of Mountain Pine Beetle Attacked Trees using WorldView-2 Imagery and Field data.*

5:50 Meghan Smith*, Salem State University; Lucinda Damon-Bach, PhD, Salem State University, *Mapping a Literary Life: A Geohumanities Trail for Berkshire Author.*

6:00 Dexuan Sha*, Missouri State University, *Land Use and land Cover Change Detection for Table Rock Lake Region Missouri.*

6:10 Fang Fang*, West Virginia University; Brenden McNeil, West Virginia University, *Discriminating tree species using crown-scale measurements: fusing leaf-on LiDAR and high-resolution multi-spectral satellite data.*

6:20 Laurel Ballanti*, *Tree Species Classification Using Hyperspectral Imagery in Muir Woods National Monument and Kent Creek Canyon, California.*

2649. Comparing Urban Geopolitics - Learning from Different Contested Cities II (Sponsored by Political Geography Specialty Group)

Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Jonathan Rokem-Rock, University College London

CHAIR(S): Jonathan Rokem-Rock, University College London

5:20 James D Sidaway*, National University of Singapore, *Urban geopolitics as a research problematic.*

5:40 Serkan Birgel, University of Oxford; Andreas Papallas*, University of Cambridge, *Patching Divided Nicosia: Peace amidst Hybrid Sovereignty Regimes?.*

6:00 Brian Garcia*, University College London, Bartlett School of Planning, *Wicked Cities and Meandering Paths to Gentrification..*

6:20 Fabiola Berdiel, PhD Candidate, Public and Urban Policy*, New School University, *'In-Between' Geographies, Practices, and Possibilities: Research and Policy in Spaces of Global Urbanization.*

6:40 Jonathan Rokem-Rock*, University College London, *Rethinking urban geopolitics in different contested cities.*

2650. Mountain Landscapes and Communities in a Changing World (Sponsored by Landscape Specialty Group, Mountain Geography Specialty Group)

Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Molly H. Polk, University of Texas at Austin; Jeff La Freniere, Gustavus Adolphus College

CHAIR(S): Molly H. Polk, University of Texas at Austin

5:20 Johanna C. Jokinen*, Uppsala University, *Transnational migration and agricultural change in urbanizing communities in Bolivia.*

5:40 Matthew Richard Voss Ross*, Duke University; Fabian Nippgen, Dr., Duke University; Brian L McGlynn, Prof., Duke University; Emily S Bernhardt, Prof., Duke University, *Geomorphic Signals of the Anthropocene: Mountaintop Mining Impacts on the Morphology of Central Appalachia..*

6:00 Stephen F. Cunha*, Humboldt State University; Stephen F. Cunha, Humboldt State University, *Perestroika to Parkland: Evolving Land Protection in the Pamir Mountains of Tajikistan.*

6:20 Molly H. Polk*, University of Texas at Austin, *Andean Tropical Mountain Peatlands through the Lens of SES Theory.*

6:40 Aaron Groth*, University of Texas - Austin, *The Dynamic Lives of Andean Forests.*

2651. Intergenerational Solidarities

Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Kristina Diprose, The University of Sheffield; Chen Liu, University of Sheffield

CHAIR(S): Kristina Diprose, The University of Sheffield

5:20 Bella Marckmann, Dr*, University of Copenhagen, *Family Estrangements and Intergenerational Solidarity.*

5:40 Esteban Izquierdo Mejia*, University of British Columbia, *Spaces of Cultural Resistance as Chronology: Underground Libraries and the Long Fight for Chicana@ Educational Justice..*

6:00 Oana Druta*, University of Amsterdam; Richard Ronald, University of Amsterdam, *Intergenerational support for independent living in a post-socialist housing market: home, meanings and practices.*

6:20 Kristina Diprose*, The University of Sheffield; Chen Liu, The University of Sheffield; Gill Valentine, The University of Sheffield; Robert Vanderbeck, The University of Leeds; Catherine Harris, The University of Sheffield, *Intergenerational Solidarity in Comparative Perspective.*

Introducer: Kristina Diprose

Discussant(s): Kirsi Pauliina Kallio, University Of Tampere

2652. Arctic Societies and Climate Change (Sponsored by Human Dimensions of Global Change Specialty Group, Polar Geography Specialty Group, Economic Geography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Scott Stephenson, University of Connecticut; Narcisa Pricope, University of North Carolina Wilmington

CHAIR(S): Kelsey Nyland, Michigan State Univ.

5:20 Michael Brady*, Rutgers University, *Geography, Producing decision-relevant climate change exposure risk information: Coastal assets in Alaska's North Slope.*

5:40 Hanna Lempinen*, Arctic Centre, University of Lapland, Finland, *Imag(in)ing the social: Visual representations and the Arctic energyscape.*

6:00 Forrest Leanna Melvin*, George Washington University; Timothy Edmund Heleniak*, Nordregio - The Nordic Centre for Spatial Development, *Population History of Alaskan Natives.*

6:20 Megan Sheremata*, University of Toronto - Scarborough, *Understanding Traditional Livelihoods in Climate Change Research in the Far North.*

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- 6:40** Scott Stephenson*, University of Connecticut; Kristina Wagstrom, University of Connecticut, *Estimation of Emissions Impacts on Climate Feedbacks in the Arctic.*
- 2653. Eurasian Themes V: Nature/Society in Eurasian Contexts (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Polar Geography Specialty Group, Energy and Environment Specialty Group)**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jeremy Tasch, Towson University
 CHAIR(S): Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research
- 5:20** Irina Fedorenko, DPhil Candidate*, University of Oxford, *Post- foreign funding: new wave environmental movements in Russia and China..*
- 5:40** Mikhail S Blinnikov, PhD*, St. Cloud State University, *Green Spaces of Moscow: a Test of Landscape Biological Complexity Metric with Multi-Year Bird Species Data.*
- 6:00** Robert Amey*, Bridgewater State University, *Water Issues.*
- 6:20** Kristopher D. White*, KIMEP University, *Nature/Society and Kazakhstan's Northern Aral Sea.*
- 6:40** Brian E. Robinson*, McGill University; Ping Li, Grassland Research Institute, Chinese Academy of Agricultural Science; Xiangyang Hou, Grassland Research Institute, Chinese Academy of Agricultural Science, *Social-ecological methods for assessing institutional change: grassland institutions and livelihood outcomes in Inner Mongolia from 1000 - 2015 CE..*
- 2654. The method of political economy in feminist geography**
Room: Powell Room B, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Kate Derickson, University of Minnesota; Marion Werner, University at Buffalo, SUNY; Miranda Joseph, University of Arizona
 CHAIR(S): Kate Derickson, University of Minnesota
 Panelists: Miranda Joseph, University of Arizona; Marion Werner, University at Buffalo, SUNY; Anne Bonds, University of Wisconsin, Milwaukee; Rosemary-Claire Collard, Concordia University - Montreal, QC; Jessica Dempsey, University of Victoria; Brenda Parker, University of Illinois At Chicago
- 2655. Navigating the Tenure and Promotion Processes (Sponsored by Africa Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University; Godwin Arku, The University of Western Ontario; Raymond Asare Tutu, Delaware State University
 CHAIR(S): Benjamin Ofori-Amoah, Western Michigan University
 Discussant(s): William G. Moseley, Macalester College
 Panelists: Benjamin Ofori-Amoah, Western Michigan University; Fenda A. Akiwumi, University of South Florida; Ibipo Johnston-Anumonwo, SUNY Cortland; Joseph R. Oppong, University of North Texas
- 2656. Seeing indigenous landscapes: tools and approaches from community mapping (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Caroline Desbiens, Université Laval
 CHAIR(S): Caroline Desbiens, Université Laval
5:20 Justine Gagnon*, Université Laval; Caroline Desbiens*, Université Laval, *Mapping memories: a landscape re-enactment project.*
5:40 Irène Barbara Hirt, Junior Researcher*, National Center for Scientific Research, France, *Listening to other worlds, mapping and writing with other words.*
6:00 Stephanie A Pyne, PhD, Carleton University (GCRC); University of Manitoba; Stephanie Ann Pyne*, Carleton University - Geomatics and Cartographic Research Centre, *The Residential School Land Memory Mapping Project - Emergence in a Proposed Planned Environment.*
- 6:20** Beatrice Collignon*, Université Bordeaux-Montaigne, *To map or not to map? Issues raised by cultural mapping projects in Canadian Inuit communities.*
 Discussant(s): Sebastien Caquard, Concordia University
- 2657. Environmental Justice Integration - or Cooptation? (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Ellen Kohl, Texas A&M University; Jill Lindsey Harrison, University of Colorado At Boulder
 CHAIR(S): Ellen Kohl, Texas A&M University
5:20 Melanie A. Barron*, University of Tennessee, *Beyond Remediation: Challenges to Repairing a Sense of Place in Anniston, Alabama.*
5:40 Jill Lindsey Harrison*, University of Colorado At Boulder, *Rejecting Recognition: Colorblind Racial Ideology and Government Agencies' Environmental Justice Programs.*
6:00 Ellen Kohl*, Texas A&M University, *The Performance of Environmental Justice: The Environmental Protection Agency's Collaborative Problem Solving Model as Cooption.*
6:20 Anna Mclauchlan*, University of Leeds, *Environmental justice as a policy objective: transposition, integration and disappearance in Scotland.*
 Discussant(s): Laura Pulido, University of Southern California
- 2658. People, Land, and Agricultural Economy: A Perspective from Taiwan (Sponsored by China Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Po-Yi Hung, National Taiwan University,
 CHAIR(S): Po-Yi Hung, National Taiwan University,
5:20 Szu Yu Lai*, *Struggling over Landscape Reproduction: The Emerging Indigeneity and Tea Production in Taiwan.*
5:40 Liching Chen*, National Taiwan University, *Local Knowledge and Organic Farming Practice in Taiwan.*
6:00 Yu-Hsiu Lien*, Department of Geography, National Taiwan University, *Boundary in struggling: Tea production, agricultural policy and food security issue of Taiwanese tea in Vietnam.*
6:20 Yi-Ling Chiu*, National Taiwan University, Department of Geography, *Rebuilding homeland: urban informal residence and organic farming practice.*
 Discussant(s): Po-Yi Hung, National Taiwan University,
- 2659. Symposium on Human Dynamics Research: Space-Time Analytics (Technologies) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): May Yuan, University of Texas - Dallas; David O'Sullivan, University of California, Berkeley
 CHAIR(S): Paul A. Longley, University College London
5:20 Wenwen Li*, Arizona State University, *Cyber-Knowledge Infrastructure for Geospatial Data.*
5:40 Andrew Crooks*, George Mason University; Arie Croitoru, George Mason University; Andrew Jenkins, George Mason University; Anthony Stefanidis, George Mason University, *City Infoscapes: From User-Generated Big Data to Urban Morphology.*
6:00 Scott Bell*, University of Saskatchewan; Kevin Stanley, Computer Science, *Leveraging Sensor Networks to Study Human Spatial Behavior.*
6:20 Shih-Lung Shaw*, University of Tennessee, *Some*

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Reflections on Human Dynamics Research Using Mobile Phone Location Data.

- 6:40** Monica Wachowicz*, University of New Brunswick, *Making sense of streaming spatial data in the Internet of Things.*

2660. You Are What You Eat: Food, Labeling and Identity (Sponsored by Geographies of Food and Agriculture Specialty Group)

- Room:* VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Georgia Davis Conover, University of Arizona
5:20 Laureen Elgert, PhD.*, Worcester Polytechnic Institute, *Reflections on the Political Ecologies of Sustainability Labeling and Eco-labeling.*
5:40 Magdalena Kaskova*, Charles University in Prague, Faculty of Science, Department of Social Geography and Regional Development; Pavel Chromy, Ph.D., Charles University in Prague, Faculty of Science, Department of Social Geography and Regional Development; Zdenek Kucera, Ph.D., Charles University in Prague, Faculty of Science, Department of Social Geography and Regional Development, *Regional product labelling schemes as both constituting and reflecting the process of regions and regional identities construction. The case of Czechia.*
6:00 Mya J. Wheeler*, University of Manitoba; Jonathan Peyton, Dr., University of Manitoba; Jill Bueddefeld, University of Manitoba, *Bison Encounters in Manitoba: A More-Than-Human Province.*
6:20 Renee Gal Primack, BA, MA*, ITT Technical Institute, Harrison College, *PB&J: Mapping of a sandwich.*
6:40 Kristina Monroe Bishop*, University of Arizona; Georgia Davis*, University of Arizona, *Apples and Goji Berries - Othering your superfoods.*

2661. Human Geography Poster Session I

- Posters for this session can be found on pages 162-165.
Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
 This session is a continuation of the previous timeslot, 2561.

2662. Perceptions of disease (Sponsored by International Geography, GIScience, and Urban Health Theme)

- Room:* Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Amanda Weber, Oklahoma State University
5:20 Lara J Iverson*, SUNY University at Buffalo, *Diffusion of Ideas about Tuberculosis and TB-Infected Individuals within Personal Social Networks after Public Health Intervention.*
5:40 CHANG-HYEON JOH*, Kyung Hee University; Chansoo Kim, Korea Institute of Science and Technology; Jeong Hwan Hwang, Kyung Hee University, *Exposure to Fear of MERS and Change in Travel Behavior: The Life Fixity Matters.*
6:00 Mengxu Gao*, Institute of Geographic Sciences and Natural Resources Research, CAS; Juanle Wang, Institute of Geographic Sciences and Natural Resources Research, CAS; Yifan Li, Institute of Geographic Sciences and Natural Resources Research, CAS; Guowei Tao, Center for disease control and prevention of Wulan County, Qinghai Province; Haitao Zhai, Center for disease control and prevention of Wulan County, Qinghai Province; Wei Xu, Center for disease control and prevention of Wulan County, Qinghai Province; Bate Siqin, Center for disease control and prevention of Wulan County, Qinghai Province, *Spatial risk prediction and analysis of Plague foci in Ulan County of Qinghai Province, China.*
6:20 Amanda Weber*, Oklahoma State University; Brian Bossak,

Florida Gulf Coast University, *Quarantine during the Black Death and subsequent Plagues.*

2663. Retail and Business Geography II (Sponsored by Business Geography Specialty Group)

- Room:* Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Tony Hernandez, Ryerson Polytechnic University
 CHAIR(S): Tony Hernandez, Ryerson Polytechnic University
5:20 Shuguang Wang*, Ryerson University; Ricardo Sanchez, Ryerson University, *Transformation of Book Retailing in Canada.*
5:40 Brian Ceh*, Ryerson University; Tony Hernandez, Ryerson University, *Implications of supersizing a box store on neighborhood development in metropolitan areas: Case of Toronto, Canada..*
6:00 Timothy LeDoux, Ph.D.*, Westfield State University; Igor Vojnovic, Ph.D., Michigan State University, *The Decentralization and Disinvestment of Retail Supermarkets in Detroit, Michigan.*
6:20 Keri Davies*, University of Stirling, *The Changing Composition of Singaporean Shopping Centers, 2009-2014: a preliminary analysis.*
6:40 Christopher Daniel*, CSCA - Ryerson University; Tony Hernandez, CSCA - Ryerson University, *Abuse of Dominance in Canadian Grocery Retailing: Fact or Fiction?.*

2667. SAM Student Paper Competition Session III/SAM plenary talk

- Room:* Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Heejun Chang, Portland State University; Debarchana Ghosh, University of Connecticut
 CHAIR(S): Heejun Chang, Portland State University
5:20 Dara Seidl*, San Diego State University, *Privacy and False Identification Risk in Geomasking Techniques.*
5:35 Alexander Peterson*, Binghamton University; Tim Frazier, Binghamton University, *Development of a Comprehensive Post-Disaster Recovery Model.*
5:50 SU YEON HAN*, San Diego State University and University of California, Santa Barbara, *Using Social Media (Twitter) to Measure the Effect of Distance Decay on Spatial Interaction between Cyberspace and Real space..*
 Discussant(s): Alexander Stewart Fotheringham, Arizona State University

2668. Wellbeing and Community Change 4: Issues and impacts in Urban Renewal (Sponsored by International Geography, GIScience, and Urban Health Theme, Urban Geography Specialty Group)

- Room:* Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Julie Clark, University of Glasgow; Nicholas Wise
 CHAIR(S): Nicholas Wise
5:20 Clemence Cavoli, Dr.*, UCL; Peter Jones, Prof., UCL, *Achieving Sustainable and Liveable Communities: Identifying and addressing barriers.*
5:40 Delia Ah Goo*, North West University; University of the Witwatersrand, *Gentrification and displacement: experiences from the inner city of Johannesburg, South Africa.*
6:00 Tara Franklin-Mitchell*, "We are as grassroots as it gets": *Developing A Community Land Trust For The Right To The City.*
6:20 Simon P J Batterbury*, University of Melbourne, Australia; Ruth Lane, Monash University, *Community bike workshops or bike kitchens: contributions to new urban geographies, transport, and community economies.*
 Discussant(s): Julie Clark, University of Glasgow

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- 2669. Impacts of urban temperature on health (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel I, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Christopher Uejio, Florida State University
5:20 Robert E. Davis, Ph.D.*, University of Virginia; Kyle B Enfield, M.D., University of Virginia, *Acclimatization to Short-term and Seasonal Weather Fluctuations: A Test of Hypothesis Using Daily Hospital Admissions.*
5:40 Olga Wilhelmi*, NCAR; Mary Hayden, NCAR; Andy Monaghan, NCAR, *Extreme heat and human health in North American cities.*
6:00 Christopher Uejio*, Florida State University; James Tamerius, University of Iowa, *Summer Indoor Heat Exposure and Respiratory and Cardiovascular Distress Calls in New York City, NY.*
6:20 Mathieu Carrier*, National Institute of Scientific Research-UCS, *Development of an environmental equity index to evaluate socio-economic disparities of traffic-related pollutants, urban heat-island and access to amenities on the Island of Montreal, Canada.*
6:40 Elena A. Grigoreva, PhD*, ICARP FEB RAS; Chris R. de Freitas, PhD, School of Environment, University of Auckland, New Zealand, *Seasonal weather changes as a risk factor in cardio-respiratory morbidity in the extreme climatic region of the Russian Far East.*
- 2670. The Mont Pelerin Plague? Revisiting and Rethinking Neoliberalism III (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Kean Birch, York University; Simon Springer, University of Victoria
 CHAIR(S): Kean Birch, York University
5:20 Nicolas Vergara Arribas*, Rutgers, the State University of New Jersey, *What Is Being Included and Left Out When Speaking of Neoliberalism? A reflection based in the case of urban land markets in Santiago, Chile.*
5:40 Ricardo Cardoso*, University of Porto, *Neoliberalism as Extraneous: Urban Development in Contemporary Luanda.*
6:00 Jeff Garmany*, King's College London, *Neoliberalism, governance, and the geographies of conditional cash transfers.*
6:20 Casey Ryan Lynch*, University of Arizona - Geography & Regional Development - Tucson, AZ, *"Vote with your feet": Democracy, the Nation-State, and Utopian Libertarian Enclaves.*
 Discussant(s): Japhy Wilson
- 2671. CITY journal sessions #1-2: The Urban Process under Planetary Accumulation by Dispossession (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Routledge)**
Room: *Golden Gate Room, Hotel Nikko, 25th Floor* (Panel Session)
 ORGANIZER(S): Hyun Bang Shin, London School of Economics and Political Science; Bob Catterall, CITY
 CHAIR(S): Hyun Bang Shin, London School of Economics and Political Science
 Discussant(s): Matthew Gandy, University of Cambridge
 Panelists: Nasser Abourahme, Columbia University; Bob Catterall, CITY; Alex Loftus, King's College London
- 2672. The Maps & Geographies of Comic Books, Graphic Novels, Science Fiction, and Fantasy Literature (Sponsored by Graduate Student Affinity Group, Geography Education Specialty Group, Cartography Specialty Group)**
Room: *Bay View Room, Hotel Nikko, 25th Floor* (Panel Session)
 ORGANIZER(S): Zachary A. Jones, Eastern Michigan University; Hannah Gunderman, University of Tennessee, Knoxville
 CHAIR(S): Zachary A. Jones, Eastern Michigan University
 Introducer: Zachary A. Jones
 Panelists: Gretchen Leigh Sneegas, University of Georgia; Chelsea Nestel, University of Wisconsin - Madison; David McLaughlin, University of Cambridge; Julian Barr, University of Washington; Ryan Patrick Hile, University of Utah; Jennifer Grek Martin, Dalhousie University; L Jesse Rouse, UNC Pembroke; Aaron King, Comic Cartography
- 2673. Global Urban Observation: Towards Sustainable Cities (V) - Characterizing Urban Environments (Sponsored by Remote Sensing Specialty Group)**
Room: *Peninsula Room, Hotel Nikko, 25th Floor* (Paper Session)
 ORGANIZER(S): Qihao Weng, Indiana State University
 CHAIR(S): Guangxing Wang, Southern Illinois University at Carbondale
5:20 Shuang Liang*, University of Texas At Dallas - Richardson, TX; Fang Qiu, University of Texas at Dallas, *Structure height extraction using LIDAR data and 3D modeling generation in City Engine.*
5:40 Ronald C. Estoque, PhD*, University of Tsukuba, Japan; Yuji Murayama, PhD, University of Tsukuba, Japan, *Measuring Urban Volume Using GIS and Remote Sensing.*
6:00 Haijian Liu*, University of Wisconsin-Milwaukee; Changshan Wu, University of Wisconsin-Milwaukee, *Ash tree species identification based on hyperspectral and LiDAR data fusion.*
6:20 Yongquan Zhao*, The Chinese University of Hong Kong; Bo Huang, The Chinese University of Hong Kong, *Spatio-temporal-spectral Satellite Image Fusion and Analysis for Urban Environment Monitoring.*
6:40 Hua Sun, Research Center of Forestry Remote Sensing and Information Engineering, Central South University of Forestry and Technology, Changsha, Hunan, China; Guangping Qie, Dept. of Geography, Southern Illinois University at Carbondale, IL, USA; Guangxing Wang*, 1Southern Illinois University at Carbondale, USA; 2Research Center of Forestry Remote Sensing and Information Engineering, Central South University of Forestry and Technology, Changsha, Hunan, China; Yifan Tan, Xianhu Botanic Garden of Shenzhen, Guangdong, China; Jiping Li, Research Center of Forestry Remote Sensing and Information Engineering, Central South University of Forestry and Technology, Changsha, Hunan, China; Yougui Peng, College of Forestry, South China Agricultural University, Guangzhou, Guangdong, China; Zhonggang Ma, Research Center of Forestry Remote Sensing and Information Engineering, Central South University of Forestry and Technology, Changsha, Hunan, China; Chaoqin Luo, Research Center of Forestry Remote Sensing and Information Engineering, Central South University of Forestry and Technology, Changsha, Hunan, China, *Increasing Accuracy of Mapping Urban Forest Carbon Density by Combining Spatial Modeling and Spectral Unmixing Analysis.*
- 2674. Geographies of Marijuana Production (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Bellevue Room, Marker Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Jacob Brenner, Ithaca College
 CHAIR(S): Jacob Brenner, Ithaca College
 Introducer: Jacob Brenner
 Panelists: Sara Keene, Cornell University; Anne Short, Boston University; Jeff Rose, University of Utah; Michael Polson, CUNY Graduate Center; Van Butsic, UC Berkeley; Jennifer Carah, The Nature Conservancy

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- 2675. The Politics of Renaming the North American University Campus: A Landscape Intervention**
Room: *Paris North, Marker Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Joshua F. Inwood, University of Tennessee; Derek H. Alderman, University of Tennessee
 CHAIR(S): Joshua F. Inwood, University of Tennessee
 Panelists: Richard Heyman, University of Texas at Austin; Reuben S. Rose-Redwood, University of Victoria; Altha J. Cravey, University Of North Carolina; Willie Wright, UNC Department of Geography; Jonathan Leib, Old Dominion University
- 2676. PREM: Policing/in Palestine II**
Room: *Paris South, Marker Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Lisa Bhungalia, The Ohio State University; Rhys Machold, Balsillie School of International Affairs; Andy Clarno, University of Illinois at Chicago
 CHAIR(S): Rhys Machold, Balsillie School of International Affairs
5:20 Lisa Bhungalia*, The Ohio State University, *U.S. Terrorism law in Palestine.*
5:40 Andy Clarno*, University of Illinois at Chicago, *A Monopoly of Violence? Security Coordination in the West Bank.*
6:00 Mikko Juho Mikael Joronen*, SPARG/School of Management, University of Tampere, *'Refusing to be a victim, refusing to be an enemy' - Way-of-life as resistance in Palestinian struggle against settler colonialism.*
 Discussant(s): Rhys Machold, Balsillie School of International Affairs
- 2677. The emerging geographies of infrastructure : regulation, distributed decisions and innovation in governance 4. Democratic engagement and participation in infrastructure governance (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)**
Room: *Athens North, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Phil Johnstone, University of Sussex; Ralitsa Hiteva, SPRU, University of Sussex; Katherine Lovell, University of Sussex
 CHAIR(S): Phil Johnstone, University of Sussex
5:20 Helen Pallett*, University of East Anglia, UK; Jason Chilvers, University of East Anglia; Tom Hargreaves, University of East Anglia, *Participation in and around the UK energy system: taking a whole systems view.*
5:40 Cian O'Donovan*, University of Sussex, *Democratic engagement with and within emerging regulator spaces.*
6:00 Athina Panayiotou*; Athina Panayiotou, A.P; Francesca Medda, *Infrastructure Investments for Growth: Comparative Portfolio Investment Strategies.*
6:20 Ove Langeland*, Institute of Transport Economics; Tom Erik Julsrud, Institute of Transport Economics, *Shared consumption as a pathway to low-carbon transition in urban mobility.*
 Discussant(s): Vanesa Castan Broto, UCL
- 2678. Hazards Risks and Disasters 5: Earthquake and Tsunami Hazards in California. (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: *Athens South, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Tim G. Frazier, University of Idaho; Eric Tate, University of Iowa
 CHAIR(S): Tim G. Frazier, University of Idaho
5:20 Jamie L. Jones*, USGS, *Lifeline exposure to HayWired scenario-induced ground failure and shaking in Alameda and Santa Clara counties.*
5:40 Jeffrey A. Peters*, United States Geological Survey; Nathan Wood, Phd, United Sates Geological Survey, *Variations in population exposure and evacuation potential to multiple tsunami evacuation phases on Alameda and Bay Farm Islands, California.*
- 6:00** Nathan Wood*, United States Geological Survey; Ed MacMullan, ECONorthwest; Jamie Jones, United States Geological Survey; Jeff Peters, United States Geological Survey, *Community disruptions and business costs from tsunami evacuations based on composite hazard zones versus scenarios.*
6:20 Kevin D Henry*, U.S. Geological Survey; Jeff Peters, U.S. Geological Survey; Nathan Wood, Ph.D., U.S. Geological Survey, *Simulating beyond clearance time: Identifying evacuation constraints and mitigation strategies..*
- 2679. Things Fall Apart: The Loss of Value and What It Means (Sponsored by Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**
Room: *Vienna North, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Sarah E. Knuth, University of Michigan; Shaina Potts, UC Berkeley Geography
 CHAIR(S): Sarah E. Knuth, University of Michigan
5:20 Sarah E. Knuth*, University of Michigan, *New Value for Urban Deterioration: "Energy Efficiency as a Resource".*
5:40 Florence Nussbaum*, Universite Paris Diderot, *Less value, more money : the paradox of property abandonment in great American cities.*
6:00 Shaina Potts*, UC Berkeley Geography, *Profiting from Crisis: Distressed Sovereign Debt Trading and the Value of Devaluation.*
6:20 Brett Christophers*, Uppsala University; Heather Whiteside*, University of Waterloo, *From source to surplus: public land's conceptual commodification in Canada and the UK.*
 Discussant(s): Kathe Newman, Rutgers University
- 2680. Peri-urban spaces in the neoliberal Americas 2 (Sponsored by Cultural Geography Specialty Group)**
Room: *Vienna South, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Nadine Reis, Department of Geography, University of Bonn; Michael Lukas, Universidad De Chile
 CHAIR(S): Michael Lukas, Universidad De Chile
5:20 Hannah Hunt Moeller*, University of Michigan, *The Agency of Heritage in Peri-Urban Bolivia.*
5:40 Nadine Reis*, Department of Geography, University of Bonn; Michael Lukas, Department of Geography, University of Chile, *The peri-urban between fixity and motion: investment flows, institutional landscapes and actor constellations in Mexico and Chile.*
6:00 Cesar Caceres*, Universidad Viña del Mar, *Exploring the periurban residential areas in Santiago de Chile: The asymmetric residential pattern between Corporate and State residential areas in Lampa 2000-2010.*
 Discussant(s): Alex Schafran, University of Leeds
- 2681. Rural Geographies**
Room: *Caracas, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Laura Ryser, University of Northern British Columbia
5:20 Konrad Czapiewski*, Institute of Geography and Spatial Organization Polish Academy of Sciences, *Temporal and spatial changes of Polish farmers' knowledge capital.*
5:40 Madeleine Koch*, University of Salzburg, *Cohousing in rural areas in Austria. Will housing pioneers fill a niche or improve the rural housing provision system?.*
6:00 John Cromartie*, USDA, *What is Driving Spatial Variation in Housing Cost-Burden among Rural Renters?.*
6:20 Anna Karin Sofie Elmqvist*, Linköping University, *Rural ageing in Sweden: Exploring the meaning of place in later life.*

WEDNESDAY, MARCH 30 • 5:20 PM - 7:00 PM • 2600

- 6:40** Laura Ryser, MNRES*, University of Northern British Columbia; Greg Halseth, PhD, University of Northern British Columbia; Sean Markey, PhD, Simon Fraser University, *Shaping New Rural Service and Infrastructure with Appropriate Policies.*
- 2682. What next for the 'shadow state'?: Geographies of voluntarism and the voluntary sector - II (Sponsored by Cultural Geography Specialty Group)**
Room: *Beijing, Marker Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Sarah Mills, Loughborough University; Catherine Waite, Loughborough University
 CHAIR(S): Sarah Mills, Loughborough University
5:20 Gaby Wolferink*, Loughborough University, UK, *"I feel as powerless as they do..." On the importance of multi-source experiences in welfare policy research: interactions between volunteers and unemployed workers about the realities of unemployment..*
5:40 Vanja Celebivic*, University of Durham, *Voluntarism gone astray: misperceiving youth voluntary activity in Bosnia and Herzegovina.*
6:00 Kye Askins*, University of Glasgow, *Emotional citizenry: geographies of voluntarism and the politics of friendship.*
6:20 Anika Duvencek*, Free University Berlin, *The Increasing Role of Voluntarism in German Educational Reform.*
 Discussant(s): Sophia Bowlby, University of Reading
- 2683. Editor meets critics: The Sonoran Desert: A Literary Field Guide**
Room: *Metropolitan A, JW Marriott Hotel, 2nd Floor (Panel Session)*
 ORGANIZER(S): Harriet Hawkins, Royal Holloway, University of London
 CHAIR(S): Harriet Hawkins, Royal Holloway, University of London
 Panelists: Eric Magrane; Glen M. MacDonald, UCLA; Tim Cresswell, Northeastern University; Maleea Acker
- 2685. Mobilising and claiming citizenship in constrained public spheres: Technology, engagement, practice II (Sponsored by Cultural Geography Specialty Group)**
Room: *Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Lucy Jackson, University of Liverpool; Daniel Hammett, University of Sheffield
 CHAIR(S): Lucy Jackson, University of Liverpool
5:20 Enzo Falco*, Gran Sasso Science Institute, *Digital Community Planning: the Open Source Way to the Top of Arnstein's Ladder.*
5:40 David J. Marshall, PhD*, Durham University; Lynn A. Staeheli, PhD, Durham University; Vanja Celebivic, PhD, Durham University, *Why are 'we' called 'them'?: The contested terrain of dialogue and engagement in post-conflict societies..*
6:00 Julian Dobson*, Sheffield Hallam University, *From 'Me Towns' to 'We Towns': Reclaiming Town Centers for Citizens.*
6:20 Stale Angen Rye, SAR*, Norwegian University of Science and Technology (NTNU), *Participatory mapping, the legitimacy of customary claims of rights to land, and the construction of citizenship.*
 Discussant(s): Daniel Hammett, University of Sheffield
- 2686. Seniors' Mobilities II: Methods, Approaches and New Directions (Sponsored by Cultural Geography Specialty Group, Transportation Geography Specialty Group)**
Room: *Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Weiqiang Lin, National University of Singapore; Jean-Baptiste Fretigny, Universite de Cergy-Pontoise
 CHAIR(S): Jean-Baptiste Fretigny, Universite de Cergy-Pontoise
5:20 Sarah Gottwald, Aalto University; Tiina Laatikainen*, Aalto University; Marketta Kyttä, Aalto University, *Public Participation GIS (PPGIS) method for mapping older adults' everyday mobilities.*
- 5:40** Florent Cholat*, Labex ITEM - Grenoble Alpes University (FR) and Milano Bicocca University (IT), *Towards a chrono-geographic approach of the aging in mountain areas.*
- 6:00** Rose Gilroy, Professor, Newcastle University; Karen Croucher, Ms, Centre for Housing Policy, York University; Katia Attuyer, Dr*, Centre for Housing Policy, York University, *Ethics in motion: Ethical challenges encountered when researching older people transitioning into new mobility regimes..*
- 2687. Practices of Gentrification: panel**
Room: *Salon II, JW Marriott Hotel, 2nd Floor (Panel Session)*
 ORGANIZER(S): Huub Ploegmakers; Arnoud Lagendijk, Radboud University Nijmegen; Yvonne Franz
 CHAIR(S): Huib Ernste, Radboud University Nijmegen
 Panelists: Sandra Annunziata; Yvonne Franz; Freek De Haan, Radboud University Nijmegen; Arnoud Lagendijk, Radboud University Nijmegen; John Stehlin, University of California, Berkeley
- 2688. Transformations of property and land in the contemporary political economy II: Global Commoning: Land and Public Space (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: *Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Deborah G. Martin, Clark University; James DeFilippis, Rutgers University; Olivia R. Williams, Florida State University Dept of Geography
 CHAIR(S): Joseph Pierce, Florida State University
5:20 Helga Leitner*, University of California, Los Angeles, *From Kampung to Condos: The assetization of land and the disappearance of the urban commons?.*
5:40 Jeremy Rayner, PhD*, Instituto de Altos Estudios Nacionales; Carla Daniela Simbaña*, Instituto de Altos Estudios Nacionales, *Communal Property and Capitalist Urbanization in Ecuador.*
6:00 Annette Koh*, University of Hawaii at Manoa, Urban & Regional Planning, *The Convivial Commons: Temporary urbanism and the (re)valuation of public space.*
6:20 Agnieszka Elzbieta Labonarska*, School of Geography, University of Leeds, *Geographies of urban food commons & justice.*
 Discussant(s): Francesca Manning, CUNY Graduate Center

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2731. Landscape Specialty Group Business Meeting (Sponsored by Landscape Specialty Group)

Room: Union Square 4, Hilton Hotel, 4th Floor (Meeting Session)

2740. Political Geography Specialty Group Business Meeting (Sponsored by Political Geography Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Meeting Session)

2741. China Specialty Group Business Meeting (Sponsored by China Specialty Group)

Room: Union Square 14, Hilton Hotel, 4th Floor (Meeting Session)

2746. Recreation, Tourism, and Sport Specialty Group Business Meeting (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Meeting Session)

2747. Retired Geographers Affinity Group Business Meeting (Sponsored by Retired Geographers Affinity Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Meeting Session)

2749. Graduate Student Affinity Group Business Meeting (Sponsored by Graduate Student Affinity Group)

Room: Union Square 22, Hilton Hotel, 4th Floor (Meeting Session)

2750. Climate Specialty Group Business Meeting (Sponsored by Climate Specialty Group)

Room: Union Square 25, Hilton Hotel, 4th Floor (Meeting Session)

2767. Spatial Analysis and Modeling Specialty Group Business Meeting (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Monterrey I, Hotel Nikko, 3rd Floor (Meeting Session)

WEDNESDAY, MARCH 30 • 8:10 PM - 9:10 PM • 2800

2837. Ethics, Justice, and Human Rights Specialty Group Business Meeting (Sponsored by Ethics, Justice, and Human Rights Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Meeting Session)

2840. European Specialty Group Business Meeting (Sponsored by European Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Meeting Session)

2874. Africa Specialty Group Business Meeting (Sponsored by Africa Specialty Group)

Room: Bellevue Room, Marker Hotel, Lobby Level (Meeting Session)

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

For special events, please see the Special Events & Meetings Summary on pages 54-58.

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THURSDAY, MARCH 31 • Poster Sessions

Human Geography Poster Session II - Featured Session

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level

Poster setup: 7:30 a.m. - 8:00 a.m.

Poster display and discussion: 8:00 a.m. - 11:40 a.m.

- Ian P. Myers*, U.S. Military Academy, *Poster #001: An Informal Future: Considerations for Growth in Kampala.*
- Frederick L. Bein, PhD*, Indiana University Purdue University at Indianapolis, *Poster #002: Traditional Agriculture in Western Kenya.*
- Xiaoping Shen*, Central Connecticut State University; Shangyi Zhou, Beijing Normal University; Wei Jiang, Beijing Normal University, *Poster #003: Spatial Analysis of Elderly Dining Services in Beijing.*
- Anna Pigott*, Swansea University, *Poster #004: Imagining the future in Wales: from pioneering policies to frightening fictions.*
- Tiana F. Fain*, California State University - Long Beach (Graduate Studies), *Poster #005: Glitz, Glamour, and Gentrification: The Road to 'Bringing Back Broadway'.*
- Lauren Stuart Withey, PhD Candidate*, University of California - Berkeley, *Poster #006: Resistances of REDD+ Along Colombia's Pacific Coast.*
- Zhangxian Feng*, School of Geographical Sciences, Northeast Normal University, *Poster #007: The structure characteristics and evolution mechanism of APS enterprise network in Northeast China.*
- Rory M. Smuhl*, University of Wisconsin - Eau Claire, *Poster #008: Are Energy Use Intensity and LEED Certification Connected?.*
- Lindy Westenhoff*, James Madison University, *Poster #009: Perceptions of Safety in Urban Spaces: The Fan District, Richmond, VA.*
- Justin H White*, Univ. of Nevada, Reno; Meghan J Collins, Desert Research Institute; Mary B Kimsey, James Madison University; Lisa Kennedy, Virginia Tech; Anna Klimaszewski-Patterson, Univ. of Nevada, Reno, *Poster #010: Pedagogy and instructor traits as valued by higher education geography students.*
- Kathryn Abelt, B.A. Geography*, University of Illinois at Urbana-Champaign, Department of Geography & Geographic Information Science; Sara McLafferty, Ph.D., Geography, University of Illinois at Urbana-Champaign, Department of Geography & Geographic Information Science; Daniel Schneider, Ph.D., Zoology, University of Illinois at Urbana-Champaign, Department of Urban & Regional Planning, *Poster #011: Mapping and Analyzing Bed Bug Incidences in San Francisco.*
- Jiangping Zhou*, University of Queensland, Australia; Zhen-Liang Ma, University of Queensland, *Poster #012: Dynamic Urban Forms with Smartcard Data: A Brisbane, Australia Story.*
- Mena John Boyah*, University of Maine at Farmington, *Poster #013: Alleviation of Nature Deficit Disorder with the use of the Maine Woods.*
- Keith W. Cunningham, PhD*, University of Alaska Fairbanks; Peter Webley, PhD, University of Alaska Fairbanks, *Poster #014: Improved Aviation Safety with Volcanic Ash Sensing & Forecasting.*
- Timila Bajracharya*, Saint Cloud State University, *Poster #015: Contiguous United States Median Annual Household Income and Poverty Percentage, 2014.*
- Tao Lin*, Shanghai Normal University, *Poster #016: Express Delivery Service, High Speed Transport, Spatial Friction and the Related Research Progress.*
- Kendra Michelle Larach Saba*, Texas Christian University, *Poster #017: Westover Hills: A Romantic Suburb in the 21st Century.*
- Ian Alexander Boese*, University of Missouri, *Poster #018: Stadiums, Cities, and the NFL: A Content Analysis of the St. Louis Post-Dispatch.*
- Hannah Zucherman*, CSULB Geography, *Poster #019: Gentrification of the People's Market.*
- Linda Esteli Mendez Barrientos, MSc.*, Department of Environmental Sciences and Policy, University of California Davis, *Poster #020: Developing Equitable Governance Institutions in Complex Socio-Ecological Systems.*
- Ryan D. James*, Northern Illinois University; Autumn C. James, Northern Illinois University, *Poster #021: Understanding the Distribution and Change of Transfer Payments in Appalachia.*
- Angela Babb*, Indiana University, *Poster #022: Calculating Poverty and Nutrition Assistance: A Critical Review of the Thrifty Food Plan.*
- Monica V. Ogra*, Gettysburg College; Quinn M. Heist*, Gettysburg College, *Poster #023: Carbon, Cookstoves, and Kitchens: Case Studies of Fuelwood Use and the Potential for Ethanol Substitutability in Rural India, Vietnam, and Tanzania.*
- Lillie Greiman, MA*, The University of Montana, Rural Institute for Inclusive Communities; Andrew Myers, MA, The University of Montana, Rural Institute for Inclusive Communities; Craig Ravesloot, PhD, The University of Montana, Rural Institute for Inclusive Communities, *Poster #024: The geography of home for people with disabilities.*
- Andrew Myers*, University of Montana; Craig Ravesloot, PhD, University of Montana; Tannis Hargrove, University of Montana; Lillie Greiman, University of Montana, *Poster #025: Person-Environment Fit in Rural Communities: Toward an Ecology of Disability.*
- Gabriel Frey Schuster*, Hunter College - City University; Marianna Pavlovskaya, Ph.D., Hunter College - City University of New York, *Poster #026: Credit Union Practices in Mortgage Lending: Non-Capitalist Alternatives Up To And Through The 'Great Recession'.*
- Russell Prescott Reed*, University of North Carolina At Pembroke, *Poster #027: The Impact of Technology Firms in North Carolina.*
- François MANLAY, IE*, University of Bordeaux, GREThA VIA Inno; Alexis Vanderstocken, PhD, University of Bordeaux, GREThA VIA Inno; Marie CORIS, Associate Professor, University of Bordeaux, GREThA VIA Inno; Christophe CARRINCAZEUX, Associate Professor, University of Bordeaux, GREThA, *Poster #028: "Technology Intelligence: a method to orientate entrepreneurial and institutional decision-making".*
- Isabelle Nilsson, Department of Geography and Earth Sciences, University of North Carolina at Charlotte, Charlotte, NC 28223, USA; Maryam Khabazi*, Department of Public Policy, University of North Carolina at Charlotte, Charlotte, NC 28262, USA, *Poster #029: Effects of Zoning and City Characteristics on Spatial Interaction Patterns of Competing Retailers.*
- Joel Krupa*, University of Toronto; Danny Harvey, PhD, University of Toronto, *Poster #030: Renewable electricity finance: A state-of-the-art review.*
- Jolina Kenney*, Gettysburg College; Randall K. Wilson*, Gettysburg College, *Poster #031: Crafting a Campus Sustainability Action Plan: A Grassroots Approach..*
- Jason Chang*, University of Maryland - Baltimore County, *Poster #032: Using Photovoice and GIS as a Means of Community Based Participatory Research and Environmental Justice Education.*
- Regan M Maas, PhD*, California State University Northridge, *Poster #033: The Neighborhood Dynamics of Hispanic/Latino Communities in Los Angeles..*
- Amber Ashley Orozco*, American University, *Poster #034: The Distribution of Race, Power, and Representation: A Spatial Analysis of the USDA's County Committees.*

THURSDAY, MARCH 31 • Poster Sessions

- Lyna L Wiggins, Ph.D.*, Rutgers University; Yuqi Wang, Ph.D. Student, Rutgers University; Raymond Sanchez Mayers, Professor, Rutgers University, *Poster #035: Accessibility to Substance Abuse Treatment for Hispanics in New Jersey.*
- Jamie L. Strickland*, University of North Carolina - Charlotte, *Poster #036: City Inquirer: Using the Cities of America Series to Teach Geographic Inquiry.*
- Kristin Sorensen*, University of Nebraska - Lincoln, *Poster #037: Ottawa County, Kansas as a Case Study.*
- Lillian I Larsen, Ph.D.*, University of Redlands; Steve Benzek, US Army Core of Engineers, *Poster #038: Re-drawing the Map of Religion.*
- Kyle Lempinen*, Portland State University, *Poster #039: Analysis of Arctic Marine Protected Areas.*
- Joseph M. Donahoe, BS Geography BS Journalism*, South Dakota State University; Mika H. J. Hasanen, B.Eng. Land Surveying, South Dakota State University, *Poster #040: Brookings Blunder - A Traffic Accident Analysis.*
- Sarah Heck*, Temple University; Rebecca Croog, Temple University; Kevin Henry, Temple University; Allison Hayes-Conroy, Temple University; Hamil Pearsall, Temple University; Tonia Hsieh, Temple University; Sudhir Kumar, Temple University; Rob Kulathinal, Temple University; Michele Masucci, Temple University; Ananias Escalante, Temple University; Carol Brant, Temple University, *Poster #041: Bio-Social Partnerships: Using the body as meeting point for educational innovation in geography and biology..*
- Julia Bordelon*, Rutgers University, *Poster #042: Silence is Health: Centros clandestinos as a Tool of Terror in Buenos Aires.*
- Alexis Saenz*, Temple University; Allison Hayes-Conroy, PhD, Temple University, *Poster #043: When research meets organizing: negotiating the ElAtlas project as an exercise in critical geography.*
- Camilo Rey*, University Of Kentucky, *Poster #044: Residential segregation and job accessibility of the displaced population in Cartagena.*
- Brian L. Hoffman, PhD*, Park University, *Poster #045: Using Total Mortality Data to Determine the Impact of the 1918-1920 Influenza Pandemic in Kansas and Missouri Counties.*
- Emelie Bailey*, The Ohio State University, *Poster #046: Health system decentralization in Honduras: Women's healthcare access and outcomes.*
- Lanny D. McAden*, University of Idaho; Steven M Radil, University of Idaho, *Poster #047: A Deadly Justification: The Influence of Active Shooter Events on Police Militarization, 2006-2013.*
- Brendan A. Hoover*, The University of Texas, Austin, *Poster #048: The Rocky Boy Reservation's Farming Economy: A Political Ecology Perspective.*
- Jeff Horgan*, University of Idaho; Steven M. Radil, University of Idaho, *Poster #049: Resurrecting a geography of annihilation: A geostrategic analysis of a post-World War Two U.S. nuclear strike plan.*
- Theodore L. Goudge*, Northwest Missouri State, *Poster #050: The Geography of Intercollegiate Athlete Origins, Diffusion and Program Success.*
- Brittany Smith*, Minnesota State University Mankato; Kyle Mullen, Minnesota State University, *Poster #051: Relationships between rural and non-rural students' success in and views of biology.*
- Elliot A. Pearson*, San Diego State University, *Poster #052: The Ghost of Hyphy: Liberatory Energy Fuels Bay Area Rappers.*
- Keith A. Ratner, PhD*, Salem State University; Hang Li, Salem State University, *Poster #053: New Rail Transit and Regional Change: Is it in the right place at the right time?.*
- Katarina Gligorijevic*, University of Toronto, *Poster #054: Alternative Nightlife in the Creative City: The Case of Montreal.*
- Yoonae Han*, Seoul National University, *Poster #055: The Great Asylum: Gentrification, Displacement, and Erosion of the Commons.*
- Noli Brazil*, University of Southern California, *Poster #056: Poverty Clusters and Affluent Enclaves: A Spatio-Temporal Approach to Understanding Poverty and Affluence Concentration in U.S. Metropolitan Areas.*
- Daniel Yonto*, University of North Carolina - Charlotte, *Poster #057: Neighborhood change through transit investment: A case for new-build gentrification.*
- Rey Umali*, UCLA, *Poster #058: Remote Sensing Land Use and Land Cover (LULC) Change in Pluit Reservoir North Jakarta: Displacement of Informal Residences For Commercial Buildings & Urban Green Space.*
- Siobhan Rae McIlhoney*, Gettysburg College; Maura Brienne Conley*, Gettysburg College; Kylie McBride, Gettysburg College, *Poster #059: Tiny House Communities: The Next Big Thing?.*
- Anthony Yeh*, Dept of Urban Planning and Design, The University of Hong Kong; Xingang Zhou, Dept of Urban Planning and Design, The University of Hong Kong; Yang Yue, Shenzhen Key Laboratory of Spatial Smart Sensing and Services, Shenzhen University, *Poster #060: Spatial Variation of Employment Self-Containment - A Case Study of Shenzhen, China.*
- Justin Redmond Smith*, California State University - East Bay, *Poster #061: Syrian Refugee Crisis in American Terms.*
- Aharon de Grassi*, Yale University, *Poster #062: Spatialities of Power in Africa: Cartographic Constructions of Continuity and Change.*
- Krystle Carpentieri*, Salem State University; Steven E Silvern*, Salem State University, *Poster #063: Food Injustice/Justice in a Massachusetts Gateway City: Springfield, MA.*
- Margherita Azzari, 90069781*, Università degli Studi di Firenze; Paola Zamperlin, Università degli Studi di Firenze; Fulvio Mandi, Università degli Studi di Firenze, *Poster #064: Past In Use. Landscape And Intangible Values. Sustainable Uses Of Historical Cultural Identity European Landscapes.*
- Jonathan L. Brock, Park University; Scott A. Hageman*, Park University; David P. Fox, Park University; Rebekkah J. Stuteville, Park University, *Poster #065: A Multidisciplinary Approach To Cemetery Analysis By Park University For The City Of Parkville, MO..*
- Shenjun Yao*, Key Laboratory of Geographic Information Science, East China Normal University; Zuopeng Xiao, Department of Geography, University of Hong Kong, *Poster #066: Spatial analysis of pickup points in Hong Kong.*
- Kevin Baker*, *Poster #067: Steel Supply/Fabrication Business Location Analysis.*
- Eleanor Stephenson*, McGill University, *Poster #068: An emerging frontier? Environmental change and extractive industry in the Canadian Arctic.*
- Scott White*, Fort Lewis College, *Poster #069: The Cartography of Wonderland: 100 Years of National Park Service Mapping for Yellowstone National Park.*
- Max Lu*, Kansas State University, *Poster #070: "Chaiqian" and the Chinese Style Urbanization.*
- Silvia Loeffler*, Maynooth University, *Poster #071: Glas Journal: A Deep Mapping of Dún Laoghaire Harbour.*
- Julia Connell*, University of Georgia; Elizabeth Wilkes*, University of Georgia; Jennifer L. Rice, The University of Georgia, *Poster #072: Fracking Governance and Resistance in Western North Carolina.*
- Kimberly Anne Panozzo*, University of Toledo; Michael Chohaney, University of Toledo, *Poster #073: Spatial Distribution of Online Infidelity.*
- Meghan R. Klasic, MS*, University of California - Davis; Julie

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Ekstrom, PhD, University of California - Davis; Mark Lubell, PhD, University of California - Davis, *Poster #074: Water Quality Vulnerability among California's Drinking Water Systems.*

Alycia Bean*, University of Idaho EPSCoR MILES; Courtney Thompson, University of Idaho, *Impact of Risk Perception on Risk Communication and Community Resilience Enhancement.*

Physical Geography Poster Session I: Challenges of the "Anthropocene" (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Routledge, Hazards Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the Anthropocene? Featured Theme)

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)

Mike Benedetti*, University Of North Carolina Wilmington; Jonathan A. Haws, University of Louisville; Ilona Benedetti, *Poster #001: Geoarchaeological Evidence in Caves: Linking Paleoenvironmental, Sedimentary, and Cultural Chronologies at Lapa do Picareiro, Portugal.*

Tony Colella, MFA*, University of Arizona; Sarina N. Mann*, University of Arizona; Patrick Murphy, University of Arizona; Greg Barron-Gafford, PhD, University of Arizona; Jesse Minor, MA, University of Arizona; Jessie Pearl, MS, University of Arizona; Mallory Barnes, MS, University of Arizona; Rachel Gallery, PhD, University of Arizona; Tyson Swetnam, PhD, University of Arizona, *Poster #018: Critical Zone Science in the Anthropocene.*

Ellie Broadman*, US Geological Survey, Menlo Park; Liam Reidy, Department of Geography, UC Berkeley; David B. Wahl, US Geological Survey, Menlo Park; Department of Geography, UC Berkeley, *Poster #002: Late Holocene Environmental History of the Los Osos Watershed, Morro Bay, CA.*

Elizabeth Schneider*, University of Minnesota; Kurt F Kipfmüller, University of Minnesota; Evan R Larson, University of Wisconsin-Platteville; Lane B Johnson, University of Wisconsin-Platteville; Ben J Matthys, University of Wisconsin-Platteville, *Poster #006: Developing a More Complete Understanding of Fire, People, and Landscape Interactions in the Boundary Waters Canoe Area Wilderness.*

Kyle M. Swain*, UNC Wilmington; Michael M. Benedetti, UNC Wilmington; Jonathan A. Haws, University of Louisville; Todd LeMaskin, UNC Wilmington, *Poster #008: Thin Section Analysis of Sediment Samples from Lapa do Picareiro, Portugal.*

Joy Nystrom Mast, Ph.D.*, Carthage College; Johannes Feddema, Ph.D., University of Victoria; Melissa Savage, Ph.D., UCLA, *Poster #034: Current and Future Anthropogenic Impacts on Southwestern Ponderosa Pine Forests.*

David F. Porinchu*, Department of Geography, University of Georgia; Danielle Haskett, Department of Geography, University of Georgia; Uday Sachdeva, Odum School of Ecology, University of Georgia; Scott Reinemann, Department of Geography, The Ohio State University, *Poster #005: Evidence of the "Anthropocene" and a Golden Spike: The View from Alpine Ecosystems in the Intermountain West of United States.*

Elena Ponomarenko*, Ecosystem Archaeology Services; Donna Crossland, Parks Canada, *Poster #004: Human Visibility in the Maritime Landscapes: The View from the Soil.*

Evelin Areli Flamenco*, West Virginia University; Brenden E McNeil, West Virginia University, *Poster #022: Leaf Angle Phenology of Twelve Central Appalachian Tree Species: Implications for carbon and energy fluxes in*

the Anthropocene.

Donald Thieme, Ph.D.*, Valdosta State University; Gary Stinchcomb, Ph.D., Murray State University; Jesse Gunnels, M.A., University of Hawaii; Joe Baker, M.A., Pennsylvania Department of Transportation, *Poster #009: Anthracite Coal Silt Deposition as an Anthropocene Event in the mid-Atlantic region, USA.*

Genevieve Holdridge*, University of Georgia, Athens ga; David S Leigh, Professor, University of Georgia, *Poster #003: Paleoenvironmental Studies and Human Impact in the Mixteca Alta, Oaxaca, Mexico.*

Olga Serenchenko*, University of Colorado - Denver; Christy Briles, PhD., Colorado University - Denver; Lora Stevens, PhD., California State Long Beach; Vanessa Wong, PhD., Monash University, *Poster #007: 1700 Years of Anthropogenic Influences: An Ecosystem Study of Northern Vietnam's Van Don Island.*

Margaret Bialecki*, University of Minnesota; Shawn Fraver, Ph.D., University of Maine; Christopher Gentry, Ph.D., Austin Peay State University; John Brown, Ph.D., USFS Northern Research Station; Sabrina Brown, Indiana State University; Samantha Jones, Bemidji State University; Kyleen Kelly, Kansas State University; Elizabeth Pansing, University of Colorado Denver; Alexander Stine, Ph.D., San Francisco State University; Michael Thornton, University of Southern Mississippi; Clay Tucker, Louisiana State University, *Poster #015: Red spruce (Picea rubens) forest disturbance and stand dynamics: lessons from a case study in Acadia National Park, Maine.*

Erin Dorothea Dascher, B.S., M.S.*, Texas State University - San Marcos, *Poster #019: A Temporal Assessment of Functional River Network Connectivity in a Major Texas River Basin.*

Yaqian He*, West Virginia University; Eungul Lee, West Virginia University; Timothy Warner, West Virginia University, *Poster #024: Land use and land cover change detection based on AVHRR GIMMS NDVI3g and MODIS MCD12Q1 in Northeast China from 1982 to 2012.*

Ralph Hill*, Missouri State University; Ralph Hill, Missouri State University; Robert T Pavlowsky, PhD, Missouri State University, *Poster #025: Downstream variations in channel sediment and mining-lead storage in Flat River Creek, Old Lead Belt, Missouri.*

David B. Huggins*, Missouri State University; Robert T Pavlowsky, Ph.D., Missouri State University; Marc R Owen, M.S., Missouri State University, *Poster #026: Spatial analysis of reach-scale factors controlling floodplain contamination by historical lead mining in the Big River, southeast Missouri.*

Hyoun A Lee*, Seoul National University, *Poster #029: Effects of land use change on discharge characteristics in Wang Suk Watershed 1975-2007.*

Hengpeng Li*, Key Laboratory of Watershed Geographic Sciences, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, East Beijing Road, Nanjing 210008, China; Guishan Yang, Key Laboratory of Watershed Geographic Sciences, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, 73 East Beijing Road, Nanjing 210008, China, *Poster #030: Assessing Hydrologic Impacts of Land Use Change in Taihu Lake Basin of China during 1985-2010.*

Rachel Lynn Martin*, Department of Earth and Environmental Sciences, Furman University; C. Brannon Andersen, Department of Earth and Environmental Sciences, Furman University; John E. Quinn, Department of Biology, Furman University, *Poster #032: Human Appropriation of Net Primary Production (HANPP) Analysis of the Rural to Urban Transition at the Watershed Scale in the Southeastern United States.*

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- David Massey*, Indiana University, *Poster #033: Land use legacies in North Carolina.*
- Kazi Tasnuva Rashid*, York University, *Poster #043: Response of Dicranum Moss to Environmental Stress, and its Implications for Upland Tundra Carbon Uptake..*
- Maegen Rochner*, University of Tennessee Knoxville; Henri D Grissino-Mayer, University of Tennessee Knoxville, *Poster #045: Past, Present, and Future Climate Change and Forest Dynamics in a High-Elevation Whitebark Pine Ecosystem.*
- Susan W.S. Millar*, Syracuse University, *Poster #037: Anthropocene microclimates: snow clearing and the urban heat island effect.*
- Katharine M. Johnson*, University of Connecticut; William B Ouimet, University of Connecticut, *Poster #027: Investigating the spatial distribution of 18th to early 20th land use dynamics in Connecticut and implications for the Anthropocene in southern New England.*
- Alex M. Rittle*, UMBC- Geography & Environmental Systems Department, *Poster #044: Modelling Sediment Movement with Structure from Motion: Implications for Understanding Human Impacts on Sediment Regimes.*
- Sara Elizabeth Eshleman*; Timothy Beach, PhD, University of Texas at Austin, *Poster #021: "Ant"thropocene: Ecological Changes Due to Leaf-cutter Ant (Atta sp.) Activity in Northwestern Belize.*
- Emily A Moothart*, University of Wisconsin - Eau Claire; Scott C Nesbit*, University of Wisconsin - Eau Claire; Douglas J Faulkner, PhD, University of Wisconsin - Eau Claire; Garry L Running, PhD, University of Wisconsin - Eau Claire, *Poster #038: Active channel loss, reed canary grass expansion, and nutrient-enriched groundwater in the Lower Chippewa River in west-central Wisconsin.*
- Brenden E McNeil*, West Virginia University; Amy Hessel, West Virginia University; Ricardo Villalba, IANIGLA, Argentina; Steven Perakis, USGS; Richard Thomas, West Virginia University, *Poster #036: Tree Water Use Efficiency in the Anthropocene: comparing tree-ring isotope data in the eastern USA with new measurements from unpolluted forests in Patagonia, Tasmania, and Coastal Oregon.*
- Charles W. Lafon*, Texas A & M University; Chase T Brooke, Texas A&M University; Hannah E Durick, Texas A&M University; Rosemary A Dwight, Texas A&M University; Henri D Grissino-Mayer, University of Tennessee; Alison A Hanson, Texas A&M University; Adam T Naito, University of Arizona; Matthew C Vaughan, Texas A&M University, *Poster #028: Fire History and Human Land Use in Eastern North America's Temperate Forest Region.*
- Megan McCusker Hill*, University of Connecticut; William B. Ouimet, University of Connecticut, *Poster #035: Critical drainage area required for gully formation in southern New England.*
- David R. Butler, Ph.D.*, Texas State University, *Poster #017: Zoogeomorphology in the Anthropocene.*
- Shakirudeen Odunuga, Dr*, University of Lagos; Olalekan Ajayi, University of Lagos, *Poster #040: Morphological Dynamics of Ogun River Basin in South-West, Nigeria.*
- Richard A. Marston*, Kansas State University, *Poster #031: Attribution Science in Geomorphology: What Works.*
- Lauren Tyner*, University of Colorado Denver; Rachel Gidley, University of Colorado Denver; Anne Chin, PhD, University of Colorado Denver; Kenneth J. Gregory, University of Southampton, *Poster #047: Urbanization and Adjustment of Stream Channel Morphology in an Arid Environment: a Three-decade Analysis.*
- Tevin Joseph Schmitt*, California State University Channel Islands, *Poster #046: Consistent Predictors Of Sandy Beach Invertebrate Diversity And Abundance In Southern California.*
- Juan Pedreno II*, University of Miami, *Poster #042: Increased Freshwater Flow and Vegetative Patterns: Assessing the Tamiami Trail Bridge Project's Impacts on the Shark Valley Slough.*
- Sattam salem Alshogoor, mutah university*, Mutah University, *Poster #013: hydrological network analysis using GIS for Alkarak plateau - Jordan.*
- Aimee Lynn Newell*, California State University Channel Islands, *Poster #039: Santa Rosa Island Erosion, Who's Fault Was It?.*
- Brandon Bohks*, Minnesota State University, *Poster #016: Brook Trout in Minnesota's Driftless Area: The Impact of Land Use and Land Cover, 1850-2013.*
- C. Brannon Andersen*, Department of Earth and Environmental Sciences, Furman University; Kreimir ?ganec, Dept. of Teachers Studies in Gospic, University of Zadar, *Poster #014: Impact of the Zagreb Wastewater Treatment Plant on Water Quality of the Sava River, Croatia.*
- Bernard David Ehrenreich*, State University of New York at Geneseo, *Poster #020: Fluvial and Glacial Geomorphic History of the Genesee River Basin.*
- Linda S. O'Hirok, PhD*, California State University Channel Islands; Kevin Gaston, Mountains Restoration Trust, *Poster #041: Dam Removal and Steelhead Habitat Restoration in Malibu Creek Watershed, California.*
- Nina Abdollahian*, U.S. Geological Survey, Western Geographic Science Center; Jamie Jones, U.S. Geological Survey, Western Geographic Science Center; Nathan Wood, U.S. Geological Survey, Western Geographic Science Center, *Poster #056: Changes in community exposure to coastal hazards due to sea level rise in coastal communities of Essex County, Massachusetts.*
- Stephen Robert Cameron*, Western Michigan University, *Poster #057: Two Decades of Change in an Amazonian Extractive Reserve.*
- Jinmu Choi*, Kyung Hee University; Jinwoo Park, Kyung hee univeristy; Jinhong Park, Kyung Hee University, *Poster #061: Correlation between air pollution dispersion and floating population.*
- Buddhi Raj Gyawali*, Kentucky State University; Buddhi Raj Gyawali, Kentucky State University, *Poster #068: Land Cover Change in Appalachian Region and Coal Mining Impacts on Quality of Life and Environment.*
- Yao Yao*, China University of Geosciences (CUG), *Poster #092: Study on the Relationships between Spatial-Temporal Land Use Change and Socio-economic Effects in Wuhan Metropolitan Area.*
- Alyssa Le*, University of North Carolina - Wilmington; Narcisca Pricope, University of North Carolina - Wilmington, *Poster #115: Emerging Trends in Water Resource Modeling: Including the Coevolution of Human-Water Systems With Agent-Based Modeling.*
- Kathy Cappelli*, Penn State University, *Poster #058: Loss of Vegetation Due to California Drought.*
- Nafiseh Haghtalab*, Michigan State University; Nathan Moore, Assistant Professor, Department of Geography, Michigan State University, *Poster #069: Evaluating Changes in the Onset of the Rainy Season in Malawi during the Past 30 Years.*
- Laura Alfonsina Chang-Martínez*, Universidad Nacional Autónoma de México; Jean François Mas, Caussel, Universidad Nacional Autónoma de México, *Poster #059: Modeling Historical Land Cover and Land Use: Kingdom of Calakmul, Mexico..*
- Neil Matthews-Pennanen*, Utah State University, *Poster #078: Future Crop Yields in Central United States under Different Climate Change Scenarios.*
- Keith G. Henderson*, Villanova University, *Poster #070: Resilience to Climate Variations in Pennsylvania's Recreational Tourism Industry.*

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- Douglas W. Gamble*, University Of North Carolina - Wilmington; Scott Curtis, East Carolina University; Jeff Popke, East Carolina University; Alex Moulton, Clark University, *Poster #065: Agriculture, double exposure, and water assemblages in southwest Jamaica.*
- Martin Lafrenz*, Portland State University; Catherine de Rivera, Portland State University; Sarah Eppley, Portland State University, *Poster #073: Transformation of Salt Marsh Habitat in the Anthropocene.*
- Alfonso Fernandez-Rivera, Ph.D., Concepcion University; Bryan G. Mark*, The Ohio State University, *Poster #077: Climatic Forcing of Glacier Surface Mass Balance Changes Along North-Central Peru: A Modeling Perspective.*
- Inci Gunalp*, Texas A&M University; Burak Gunalp, Texas A&M University; Ying Liu, Texas A&M University, *Poster #067: Influence of hydro-geomorphologic attributes on urban distribution: Evidence from 11 rapidly urbanizing major river basins in Asia and Africa.*
- Carlos A. Rincon-Mautner, PhD, DVM*, Palaeoenvironmental and Historical Research, Inc., *Poster #086: Climate Change and Human Impact in the Southern Mexican Highlands - An Environmental and Cultural Regional History of Adaptation in the Mixteca and Tehuacan Valley.*
- Kunjia Zhang*, Beijing Normal University; Yun Su*, Beijing Normal University, *Poster #093: Analysis of the Social Responses to the Successive Droughts from 2009 to 2013 in Yunnan Province of China.*
- Jilai Liu*, College of Resources Science and Technology, Beijing Normal University, Beijing 100875, China;; Yansui Liu, College of Resources Science and Technology, Beijing Normal University, Beijing 100875, China;; *Poster #075: Spatio-temporal change in urban-rural land use transformation at village scale? a case of Xuanhua district, north China.*
- Shana M Rose*, Kutztown University of Pennsylvania; Michael A Davis, Kutztown University of Pennsylvania, *Poster #087: Abstract: Temperature and Precipitation Variability Effects on Gossypium hirsutum in Texas..*
- Darrian Bertrand*, University of Oklahoma; Mark Shafer, University of Oklahoma, *Poster #082: Burn Days Climatology for the Great Plains.*
- Julie A. Winkler*, Michigan State University; Sean Woznicki, Michigan State University; Ying Tang, Michigan State University, *Poster #091: Climate Projections for Impact, Vulnerability and Adaptation Assessments: Choices and Implications.*
- Todd W. Moore*, Towson University; Jay W Morgan, Ph.D., Towson University; Sara Levy, Towson University; Benjamin Simon, Towson University, *Poster #080: Detecting changes in Baltimore, Maryland's land cover and urban heat island using Landsat imagery.*
- Sharon L Murphy, Georgia State University; Jeremy E. Diem*, Georgia State University, *Poster #064: Assessing the Effectiveness of Extensive Green Roofs at Improving Environmental Conditions in Atlanta, GA USA.*
- Dylan Chapple*, UC Berkeley, *Poster #060: A tale of two marshes: 15 years of vegetation change at China Camp and Muzzi Marsh..*
- Emily Viola*, Binghamton University, *Poster #088: Long Beach Island, NY and the USACE Storm Damage Reduction Project: Modeling a Different Future.*
- Christine Grummon*, University of Oregon, *Poster #066: The Response of Forest-based Collaboratives to the Mountain Pine Beetle Epidemic.*
- Kathryn Bills Walsh*, Montana State University, *Poster #089: The Institutional Context of Reclamation: Changing Landscapes of Energy.*
- Savannah Jennings*, Furman University, *Poster #072: Public Perception of Sea Level Rise Risk: A Case Study of Charleston, South Carolina.*
- Patrick J. Costa*, CSU Channel Islands; Casey Lysdale, CSU Channel Islands, *Poster #062: Ventura County Coastal Geomorphological Sediment Transportation from Rivers to Artificial Nourishment.*
- Kendell R. Welch*, University of Wisconsin-Platteville; Cody J. Carmody, University of Wisconsin-Platteville; Philip T. Schulz, University of Wisconsin-Platteville; Gregory M. Arther, University of Wisconsin-Platteville; Christopher A. Underwood, University of Wisconsin-Platteville, *Poster #090: Mapping environmental injustice: the impact of water contamination on class, gender, and health in Appalachia.*
- Timothy Mutty*, Department of Earth and Environmental Sciences, Furman University; C. Brannon Andersen, Department of Earth and Environmental Sciences, Furman University; Greg Lewis, Department of Biology, Furman University, *Poster #081: Changes in Soil Organic Carbon and Nitrogen in Response to Rotational Grazing in the Piedmont of the Southeastern United States.*
- Reily Thomas Pratt*, California State University Channel Islands; Kyle Burns, California State University Channel Islands; Benjamin Comfort, California State University Channel Islands, *Poster #084: Riparian Monitoring on Santa Rosa Island, California: A Survey of Water Quality and Benthic Macroinvertebrates.*
- Lin Na, Department of Computing Sciences, Texas A&M University ? Corpus Christi*; Olivert Garcia, Department of Computing Sciences, Texas A&M University ? Corpus Christi; Yuxia Huang*, Texas A&M University - Corpus Christi; Frank Pezold, Department of Life Sciences, Texas A&M University ? Corpus Christi, *Poster #071: Interactive biodiversity conservation mapping using Google Fusion Tables and Google.*
- Jason Darley*, Montclair State University; Danlin Yu, Montclair State University, *Poster #063: The Preservation of Wetlands within Redeveloping Areas Using Geographically Weighted Regression.*
- Krista Marie McPherson*, University of Southern California, *Poster #079: Spatial Solutions to Earthquake Safety on the USC Campus.*
- David A. Parr*, Metropolitan State University of Denver, *Poster #083: Data Quality and the Crowd: Humanitarian OpenStreetMap and the Nepal Earthquake.*
- Christopher Marinello, MS*, Montclair State University; Taylor Wiczerek, MS, Montclair State University; Pankaj Lal, PhD, Montclair State University, *Poster #076: Assessing the Economic Impacts of Gray Infrastructure.*
- Rebecca K Laughon*, Grand Valley State University, *Poster #074: Assessment for Potential Locations of a Large Scale Green Storm-Water Infrastructure Control in Detroit Michigan.*
- Allie S. Buff*, Furman University, Earth and Environmental Sciences; Weston Dripps, Furman University, Earth and Environmental Sciences, *Poster #097: It's What's for Dinner: Furman University's Sustainable Dining Initiative.*
- William Delgado, Candidate for Master's Degree*, University of Texas - Austin, *Poster #100: Water Crisis in the Upper Rio Grande Valley: How to Solve It.*
- Jing FU*, Shanghai Normal University; Jun GAO, Professor, Shanghai Normal University; Yi WEN, Shanghai Normal University, *Poster #101: Applying spatial resilience concept to landscape pattern analysis of mega city: A case study on city of Shanghai.*
- Zara Kathleen Hickman*, Colorado University at Denver; Christy E Briles, PhD, University of Colorado Denver, *Poster #105: How has Climate Change Altered the*

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Zach Hilgendorf*, Minnesota State University-Mankato; Phillip Larson, Ph.D., Minnesota State University-Mankato; Bryce Hoppie, Ph.D., Minnesota State University-Mankato, *Poster #106: Analysis of nonpoint source pollution mitigation strategies within an agricultural watershed: Cobb River watershed, Minnesota River Basin, south-central Minnesota - Preliminary Results.*
- Brittany Jacobs*, Grand Valley State University, *Poster #109: Using Nutrient Bioassays to Assess the Impact of Land Use Practices on Urbanized Lakes: Muskegon Lake Area of Concern.*
- Ameen Kadhim*, Michigan State University, *Poster #110: A Tale of Two Gulf Coasts: Measuring vegetation change in the face of sea level rise in southern Iraq and southern Louisiana, USA.*
- Melissa Kent*, San Francisco State University; Ellen Hines, PhD, San Francisco State University; Jennifer Blecha, PhD, San Francisco State University; Monica L. DeAngelis, NOAA Fisheries West Coast Region, *Poster #112: Citizen Science's Role in Filling Data Gaps: Whale Watching Operators of Northern California.*
- Peter Kimosop*, Youngstown State University; Elizabeth Abraham, Youngstown State University; Shannon Doherty, Youngstown State University; Stefanie Hudzik, Youngstown State University; Erin O'Connor, Youngstown State University, *Poster #113: Utilizing SWAT to assess and model algal blooms in Akron water supply reservoirs in northeastern Ohio.*
- Erin Looper*, Portland State University; Jennifer L. Morse, Portland State University, *Poster #117: Ecological performance of urban green infrastructure.*
- Shelley Morton*, University of Colorado - Denver; Christopher Andersen, University of Colorado Denver; Olga Serenchenko, University of Colorado Denver; Christy Briles, Ph.D., University of Colorado Denver, *Poster #118: 4,000 years of Human Settlement: The Anthropogenic Modification of the Northern Vietnam Red River Delta.*
- Uyoyoghene Tina Onofoja*, Southern Illinois University Edwardsville, *Poster #120: Using LANDSAT Images to Monitor Changes in Illinois Cache River Wetlands, 1987 to 2015.*
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- Jessica Woodard*, San Francisco State University, *Poster #129: Transforming Urban Landscapes: A geographic analysis of East Bay Municipal Utility District's Lawn conversion rebate program 2012-2015.*
- Jennifer Y. Pomeroy, Dr.*, York College of Pennsylvania, *Poster #122: Exploring Charcoal Making And Deforestation In La Gonave, Haiti.*
- Jingjing Wang*, Jiangsu Academy of Agricultural Sciences; Ling Sun, Jiangsu Academy of Agricultural Sciences; Zhiming Wang, Jiangsu Academy of Agricultural Sciences; Chunlin Shi, Jiangsu Academy of Agricultural Sciences; Kun Yu, Jiangsu Academy of Agricultural Sciences; Xiaojun Huang, Jiangsu Academy of Agricultural Sciences; Jie Shan, Jiangsu Academy of Agricultural Sciences, *Poster #125: Crop Flood Disaster Monitoring and Loss Assessment Using Remote Sensing and GIS: A Case Study in Jiangsu, China.*
- Devin Lea*, University of Oregon, *Poster #116: Policies and actors influencing the geomorphology of the Upper Willamette River, Oregon.*
- Chris S. Renschler*, University at Buffalo (SUNY), *Poster #123: Quantifying Impacts of and on Soil and Water Management: 15 years of Global Change Assessment with GeoWEPP.*
- Anne Lausier*, University of Maine, *Poster #114: Diversity in Global Patterns of Precipitation.*
- Paul Zunkel*, Texas State University, *Poster #131: T.T. Fujita's Contribution to the Understanding of Tornado Suction Marks, Spots, Swaths, and Vortices..*
- Jacquelyn Rose*, *Poster #124: Seaside Sustainability in Coastal Massachusetts.*
- Paul Chakalian, MA*, Arizona State University, *Poster #098: Robustness Analysis of Phoenix, AZ Heat as a Social Ecological System: a new analytical approach to the urban heat island problem.*
- Marshall Durham Hedges*, Middle Tennessee State University; Hari P Garbharran, Phd, MTSU, *Poster #104: Humans In Crisis: Disaster Preparedness and Response in Nepal.*
- Ricardo Alexander Gomez*, University of Northern Colorado, *Poster #102: Los Angeles Earthquake Vulnerability.*
- Dionne Kae Zoanni*, Montana State University, *Poster #130: A Discourse Analysis of Oil and Gas Development on the Fort Peck Indian Reservation, MT.*
- Lydia A. Palumbo*, Department of Earth and Environmental Sciences, Furman University; C. Brannon Andersen, Department of Earth and Environmental Sciences, Furman University; Mia Brkljaca, Department of Ecology, Agronomy, and Aquaculture, University of Zadar; Greg Lewis, Department of Biology, Furman University, *Poster #121: Soil Organic Carbon and Nitrogen in Vineyards of Ravni Kotari, Croatia, as an Indicator of Soil Quality.*
- Jonathan D. C. Webb, Tornado and Storm Research Organisation (TORRO); Sarah E. Hinman*, Leiden University College, *Poster #108: Mapping severe hailstorm historical and crowd-sourced data from the United Kingdom.*
- Anthony J. Bevacqua*, Montclair State University; Danlin Yu, PhD, Advisor, *Poster #096: Vulnerability to Hurricane Hazards of New Jersey.*
- Aisha C.R. Haynes*, George Mason University/NOAA, *Poster #103: An Investigation of the Relationship between Vulnerable Populations and Hazard Casualties in Warming Dissemination Coverage Gaps.*
- Bryan West*, University of Colorado at Denver, *Poster #128: Assessing the Potential Effects of the Emerald Ash Borer on Denver's Urban Forest.*
- Fredrick Butler Neal, MS Geography*, Georgia State University, *Poster #119: Characteristics of Homes with High Radon Gas Concentrations in DeKalb County, Georgia.*
- Martin R. Arford*, Saginaw Valley State University, *Poster #095: Engaging High School Students in STEM Research, a Case Study: Evaluating the Effectiveness of Soil Conservation Practices on Limiting Nutrient Runoff from Agricultural Fields..*
- Terence Day*, Okanagan College, *Poster #138: The Concept of the Anthropocene and its Impact on Textbook Representation of the Scope of Physical Geography.*
- Christine Cuomo*, University of Georgia, *Poster #137: Against the "Official" Anthropocene.*
- Jerald Charles Mast, Ph. D.*, Carthage College, *Poster #140: Conceptualizing the Anthropocene Narrowly and Broadly, Empirically and Normatively.*
- Darius Trent Sudreth*, University of North Carolina - Wilmington; Eman Ghoneim, Ph.D., Professor, Research Instructor; Ai Ning Loh, Ph.D, Associate Professor of Oceanography; Yvonne Marsan, Lab Manager, *Poster #141: Using Remote Sensing and Field Survey to Investigate the Impact of Climate Change on Coastal Wetlands of Wrightsville Beach, NC..*
- Leslie A. Duram, PhD*, Southern Illinois University; Laura L. Williams, Kauai Community College, *Poster*

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- #139: *Sustainability Initiatives in Higher Education: Assessing a Student Food Garden.*
 Shaquille Christmas*, University of Richmond, *Poster #099: Assessment of Land Parcels for Conservation Planning in the Richmond Metropolitan Region.*
- Madeline Hinchliffe*, University of Oklahoma; Jadwiga Ziolkowska, Dr., University of Oklahoma, *Poster #107: Water Resource Management in the Rio Grande River Basin - Challenges and Possible Solutions.*
- Gabrielle L. Katz*, Metropolitan State University Of Denver; Michael W. Denslow, Appalachian State University; Andrew Norton, Colorado State University; Eric Fairlee, City of Boulder Open Space and Mountain Parks, *Poster #111: Effects of Russian olive removal on floodplain plant communities and soils, Boulder Creek, Colorado, U.S.A..*
- Dongying Wei*, *Poster #126: Research on the Vacancy Analysis and Protection Evaluation of China's Nature Asset Reserves.*
- Amy C. Foxgrover*, USGS Pacific Coastal and Marine Science Center; Theresa A. Fregoso, USGS Pacific Coastal and Marine Science Center; Bruce E. Jaffe, USGS Pacific Coastal and Marine Science Center; Mark Marvin-DiPasquale, USGS, Branch of Regional Research, Western Region, *Poster #048: Quantifying the remobilization of sediment-bound mercury in Alviso Slough, South San Francisco Bay.*
- Chelsea R. Canon, M.S.*, University of Nevada; Douglas P. Boyle, Ph.D., University of Nevada, Reno; Benjamin J. Hatchett, Ph.D. Candidate, University of Nevada, Reno; Scott D. Bassett, Ph.D., University of Nevada, Reno, *Poster #132: Communicating Climate Futures to Stakeholders in the Walker Basin, Nevada.*
- Rebecca Anne Gunter*, Brock University; Michael F.J. Pisaric, Brock University; Liang Zhu, Queens University; Kathleen Rhuland, Queens University; Steven V Kokelj, Government of Northwest Territories; John P Smol, Queens University, *Poster #049: The impact of road dust on Arctic aquatic ecosystems, Northwest Territories, Canada.*
- Cho-ying Huang, Department of Geography, National Taiwan University, Taipei, Taiwan; Kai-Ting Hu*, National Taiwan University, Taipei, Taiwan; Xian-Cheng Lu, Department of Geography, National Taiwan University, Taipei, Taiwan; Jun Chang, Department of Geography, National Taiwan University, Taipei, Taiwan, *Poster #050: Chilan Hinoki Observatory (Choy): A Long-term Monitoring Project to Understand the Impacts of Climate Change on Near-tropical Montane Cloud Forests.*
- Monica Helen Stone, Graduate Student*, University of Alabama; Sagy Cohen, PhD, University of Alabama, *Poster #133: Assessing the influence of global climate change on flooding hazards following tropical cyclone events in the Southeast United States.*
- Jessica Rudnick, PhD Student*, University of California - Davis; Meredith Niles, Assistant Professor, University of Vermont; Mark Lubell, Professor, University of California - Davis, *Poster #134: Influence of Organizational Network Structures on Reducing Vulnerability to Climate Change and Food Insecurity.*
- Bailey Anderson*, University of Texas - Austin; Daniela Pachon, The University of Texas at Austin; Timothy Beach, Dr., The University of Texas at Austin; Greta Wells, The University of Texas at Austin; Luisa Abersold, The University of Texas at Austin, *Poster #010: Causes of Erosion; The Valley of Leyva, Northern Andes, Colombia.*
- Morgan Josef*, *Poster #052: Oregon Coastal Wetland and Habitat Loss as a Result of Sea Level Rise.*
- Ekaterina Ershova*, Moscow State University; Alexander Alexandrovskiy, Institute of Geography RAS; Elena Ponomarenko, Ottawa University; Nikolay, Krenke, Institute of Archaeology RAS; Diana Korkishko, Moscow State University, *Poster #011: Soil and pollen data from paleosols in the Moskva River floodplain: natural and anthropogenic environmental changes during the Holocene.*
- Moriah Ashlin Philp Day*, Clark University, *Poster #053: Modeling the regeneration density of subalpine spruce-fir forests under current and future climate conditions.*
- Bianca Gonzalez*, Middlebury College; Nestor Ignacio Gasparri, Universidad Nacional de Tucuman; Tobias Kuemmerle, Humboldt-University Berlin; Patrick Culbert, Middlebury College, *Poster #054: Patterns of Agricultural Deforestation in the Argentine Chaco.*
- John T. Hayes, Ph.D.*, Salem State University, *Poster #094: Feedbacks and Tipping Points in Earth's Climate System: Making a Case for the Diagrammatic Approach in Climate Change and Physical Geography Instruction.*
- Joana Chan, PhD*, Cornell University; Allison Chatrchyan, PhD, Cornell Institute for Climate Change and Agriculture; Daniel Tobin, PhD, Pennsylvania State University; Rama Radhakrishna, PhD, Pennsylvania State University; Shorna Allred, PhD, Cornell University; Kaila Thorn, Pennsylvania State University, *Poster #135: Understanding and Growing Agricultural Resiliency to Climate Change in the Northeastern US.*
- Matthew Angel Bonano*, University of Colorado at Denver, *Poster #055: Ocean Acidification: The Contributors to the Oceanic Carbon Cycle Imbalance.*
- William Ouimet*, University of Connecticut; David Dethier, Williams College, *Poster #012: Investigating Holocene and Anthropocene landscape change and the legacy of 19th and 20th century mining using geomorphic and stratigraphic evidence in Fourmile Canyon, Colorado.*
- Robert G. Bailey*, US Forest Service, *Poster #136: Ecological Climate Classification for Assessing Climate Change Effects on Ecosystem Distribution.*

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3101. Transport, Mobility, and Political Economies of Sustainability (Sponsored by Transportation Geography Specialty Group)

- Room:* Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois; Stephanie Farmer, Roosevelt University
 CHAIR(S): Julie Cidell, University of Illinois
 8:00 Paige Moody*, Macalester College, *Car-sharing and Local Sustainability: exposing the differing implications of popularly equated programs in Minneapolis.*
 8:20 Stephanie Farmer*, Roosevelt University, *Ending User Fees and Reclaiming the Transportation Commons.*
 8:40 Lixun Liu*, University College London, *Metro investment and equity impacts: lessons from a Chinese large city.*
 9:00 Caroline Stamm*, Universidad de Chile, Departamento de Geografía, *Conflicts and spatial production processes: the case of two citizen movements against highway projects in Santiago, Chile.*
 9:20 Julie Catherine Gamble*, School of International Training, *Experimenting with Bicycle Infrastructure: Daily Experience and Expressions of Citizenship through Cycling Activists in Quito, Ecuador.*

3102. Relational Poverty 5: Authors meet critics - Roy & Crane's Territories of Poverty: Rethinking North and South

- Room:* Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Sarah Elwood, University of Washington
 CHAIR(S): Sarah Elwood, University of Washington
 Discussant(s): Gillian Hart, University of California, Berkeley; Stephen Healy, University of Western Sydney, Institute for Culture and Society; Robert W. Lake, Rutgers University; Ananya Roy, University of California, Los Angeles; Emma Shaw Crane, New York University; Rebecca Peters, University of California - Berkeley; Erica Kohl-Arenas, The New School; Jamie Peck, University of British Columbia

3103. Constructively Critical GIS

- Room:* Golden Gate 3, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): James Thatcher, University of Washington - Tacoma; Luke R. Bergmann, University of Washington; David O'Sullivan, University of California, Berkeley
 CHAIR(S): David O'Sullivan, University of California, Berkeley
 Discussant(s): James Thatcher, University of Washington - Tacoma; Renee Sieber, McGill University
 Panelists: Marianna Pavlovskaya, Hunter College and CUNY Graduate Center; Rina Ghose, University Of Wisconsin Milwaukee; Francis Harvey, Leibniz-Institute for Regional Geography

3104. Accessing Public Space 1: Diverse Methods and Theories (Sponsored by Urban Geography Specialty Group)

- Room:* Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Roza Tchoukaleyska; Theresa Enright, University of Toronto; Kristin Reichborn-Kjennerud, The Oslo and Akershus University College of Applied Sciences
 CHAIR(S): Ute Lehrer, York University
 8:00 Karen Franck*, new jersey institute of technology; Te-Sheng Huang, Assitant Professor, Feng Chia University, *A Framework for Mapping Public Space Research.*
 8:20 Jihyun Kim*, University College London, *Multiple Production of Public Space: user activities in terms of materiality and actor-network theory.*
 8:40 Francesco Chiodelli*, Gran Sasso Science Institute, *A typological ladder of public space, and its implications for ethical issues in the urban domain.*
 9:00 Troy D. Glover*, University of Waterloo; Eva Dodsworth, BA, MLIS, University of Waterloo, *Crowdsourcing to*

Understand the Practice of Animating Public Space.

- 9:20 James Sedalia Peters, Ph.D.*, Pitzer College, *Place-Based Methods of Environmental Analysis: a Meta-Study.*

3105. Economic Geography IX - Sources and Policy for Innovation: A Differentiated Viewpoint (Sponsored by Economic Geography Specialty Group)

- Room:* Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of Technology; David L. Rigby, UCLA
 CHAIR(S): David L. Rigby, UCLA
 8:00 Stefania Sardo*, BI Norwegian Business School; Heidi Wiig Aslesen, BI Norwegian Business School, *The role of virtual space and regional sources for innovation in ICT and new media firms.*
 8:20 Sharmistha Bagchi-Sen*, SUNY-Buffalo; Peter Kedron, Ryerson University, *Policy and Industry co-Evolution in Bioenergy.*
 8:40 Maryann Feldman, University of North Carolina, Chapel Hill; Thomas Kemeny, University of Southampton; Nichola Lowe*, University of North Carolina-Chapel Hill, *Navigating Entrepreneurial Pathways: An Analysis of Biosciences in the Research Triangle Region.*
 9:00 Vassilis Monastiriotis*, London School of Economics; Dimitris Kallioras, Dr, University of Thessaly; George Petrakos, Prof, University of Thessaly, *The regional impact of EU association agreements: lessons from Central and Eastern Europe.*
 Discussant(s): Bjorn T. Asheim, Lund University, Sweden

3106. Why Does Everyone Think Cities Can Save the Planet? 1. New Global Ideologies of Urban Nature (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:* Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Wachsmuth, New York University; Hillary Angelo, University of California Santa Cruz
 CHAIR(S): David Wachsmuth, New York University
 8:00 David Wachsmuth*, McGill University; Hillary Angelo*, University of California Santa Cruz, *Why Does Everyone Think Cities Can Save the Planet? New Ideologies of Urban Nature in Global Sustainability Politics.*
 8:20 Roger Keil*, YORK UNIVERSITY; Robin Bloch, ICF INTERNATIONAL, *Global Sprawl Revisited: Countering the Density Myth, and Making Progressive Policy for a Sub/urban Planet.*
 8:40 Ayona Datta*, University of Leeds, *The art of ideology: Maps, simulations and flythroughs in making the smart city fiction.*
 9:00 Markus Hesse*, University of Luxembourg, *From urban jungle to good, green & beautiful: The city of tomorrow as a political imagery.*
 9:20 Vera Smirnova*, Virginia Tech, *On the political economy of crisis-driven metabolic transformations in cities.*

3107. Polar Issues I: Environmental Changes and Challenges in High Latitudes (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)

- Room:* Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Emily Francis, University of Northern Iowa; Andrey N. Petrov, University of Northern Iowa
 CHAIR(S): Kelsey Nyland, Michigan State Univ.
 8:00 Andrew G Klein*, Texas A&M University; Paul Montanga, Harte Research Institute, Texas A&M University Corpus Christi; Terry Palmer, Harte Research Institute, Texas A&M University Corpus Christi; José Sericano, Geochemical and Environmental Research Group,

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- Texas A&M University College Station; Steve Sweet, Geochemical and Environmental Research Group, Texas A&M University College Station; Terry Wade, Geochemical and Environmental Research Group, Texas A&M University College Station; Mahlon C. Kennicutt II, *Monitoring the footprint of human impacts in Polar Regions: our experiences at McMurdo and Palmer Stations, Antarctica.*
- 8:20** Anna Abramova*, UNIS/The George Washington University; Sergey Cherniaskii, The Lomonosov Moscow State University; Nataly Marchenko, UNIS; Nikolay Shiklomanov, GWU, *Impacts of the coal industry on the environment in Arctic settlements of Svalbard.*
- 8:40** Arif Masrur*, University of Northern Iowa; Andrey Petrov, Dr., University of Northern Iowa, *Analysis of the Spatiotemporal Dynamics of Wildfire Activity in the Tundra Biome Using MODIS Data (2001-2015).*
- 9:00** Gunhild Ninis Rosqvist*, Stockholm University, *Multiple pressures on reindeer husbandry in Arctic Sweden.*
Discussant(s): Dmitry A. Streletskiy, George Washington University
- 3108. Beyond Neoliberal Natures -- The Reworking of Payments for Ecosystem Services (PES) on the Ground I: Livelihoods and Poverty (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Pamela D. McElwee, Rutgers; Gert Themba Van Hecken, Institute of Development Policy and Management (IOB); Bernard Huber, McGill University
CHAIR(S): Gert Themba Van Hecken, Institute of Development Policy and Management (IOB)
- 8:00** Bernard Huber*, McGill University, *The Policy and Practice of Payments for Environmental Services (PES) as Livelihood Subsidies in Vietnam.*
- 8:20** Niki vonHedemann*, University of Arizona, *Timber, Campesinos, and Carbon: The Complexity of Payments for Ecosystem Services in Guatemala's Forests.*
- 8:40** Jean Carlo Rodriguez De Francisco, Dr.*, German Development Institute/Deutsches Institut für Entwicklungspolitik (DIE), *Payment for ecosystem services in the context of the water-energy-food/land nexus: Whose water-energy and land/food security matters?.*
- 9:00** Kun Zhang*, China National Forestry Economics and Development Research Center; Kiran Asher; Yustina Artati, CIFOR; Nick Hogarth; Chen Xie, FEDRC; Louis Putzel, CIFOR, *An Iron Rice Bowl is Hard to Break: Benefits of State-financed Eco-compensation vs. Market-based Forest Restoration in China's Grain-for-Green Program.*
Discussant(s): Elizabeth N. Shapiro-Garza, Duke University
- 3109. Exploring the Dark Matter of the Urban**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
ORGANIZER(S): Michele Lancione, University of Cambridge; Francisco Calafate-Faria
CHAIR(S): Michele Lancione, University of Cambridge
Discussant(s): Francisco Calafate-Faria; Michele Lancione, University of Cambridge
Panelists: AbdouMaliq Simone; Filip De Boeck, Catholic University of Leuven; Teresa Caldeira, University of California, Berkeley; Matthew Gandy, University of Cambridge; Swati Chattopadhyay, University of California, Santa Barbara
- 3110. Morning Mapxercise (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)
ORGANIZER(S): Thomas Gertin
CHAIR(S): Thomas Gertin
- 3111. The economy of cities: 11 Urban growth and change**
Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): John Miron, University of Toronto
CHAIR(S): Eric Rogers
- 8:00** Xin Liu*; Canfei He, Pro., *Research on Relatedness and Urban Industrial Growth.*
- 8:20** Kenton Card*, University of California - Los Angeles, *Struggles to Create Collective Housing in Berlin: From the Alternative Bourgeoisie to Autonomist Anarchists.*
- 8:40** Eric Wycoff Rogers, Master of Environmental Design, Yale University*; Nookzy, inc., independent scholar, *Developing a Theory and Praxis of Urban Hacking.*
- 3112. Experiences in Trans-Disciplinary Urban Education**
Room: Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Miguel Robles-Duran, New School University
CHAIR(S): Miguel Robles-Duran, New School University
- 3113. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 2 of 3) (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Thomas J. Baerwald, National Science Foundation
CHAIR(S): Thomas J. Baerwald, National Science Foundation
Discussant(s): Holly M. Hapke, National Science Foundation; Sunil Narumalani, National Science Foundation; Thomas J. Baerwald, National Science Foundation
- 3116. Symposium on Physical Geography: Challenges of the "Anthropocene" III: Evidence and Quantification of Large-scale Human Impacts (Sponsored by Cultural and Political Ecology Specialty Group, Coastal and Marine Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme, Mountain Geography Specialty Group)**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Anne Chin, University of Colorado Denver; Katharine M. Johnson, University of Connecticut; Charles W. Lafon, Texas A & M University
CHAIR(S): Katharine M. Johnson, University of Connecticut
Introducer: Timothy Beach
- 8:00** Paolo Tarolli*, University of Padova (Italy), *Hillslope Processes in Anthropogenic Landscapes.*
- 8:20** Carlos E Ramos-Scharon*, The University of Texas-Austin, *Complex responses in human-influenced landscapes of the Northeastern Caribbean - The effects of historical and current land uses on sediment delivery to coral reef ecosystems.*
- 8:40** Erle C Ellis*, University of Maryland - Baltimore County, *Humanity, a Global Force of Nature: Ultrasociality, Niche Construction and the Anthropocene.*
Discussant(s): Francis J. Magilligan, Dartmouth College
- 3117. Perception and Mapping**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Charlie E. Frye, ESRI, Inc.
- 8:00** Rebecca M Rice, MS*, George Mason University; Alec D Barker, PhD, George Mason University; Kevin M Curtin, PhD, George Mason University, *Understanding team spatial cognition through human subjects experiments involving map-based interactive computer games of team pursuit-and-evasion.*

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- 8:20** Jinghan Xie*, National University of Singapore; Chen-Chieh Feng, National University of Singapore, *The influence of a textured and the corresponding non-textured virtual environment on spatial cognition.*
- 8:40** Alec D. Barker, PhD*, George Mason University; Kevin M Curtin, PhD, George Mason University; Rebecca M. Rice, George Mason University; Richard M. Medina, PhD, University of Utah, *Studying team dynamics through analytic geosimulation and interactive games.*
- 9:00** Charlie E. Frye*, ESRI, Inc.; Michael Dangermond, ESRI, Inc.; Deniz Karagülle, ESRI, Inc., *Characterizing Regions Automatically Using Global GIS Data and Natural Language Generation.*

3118. Post-War Geographies of Sri Lanka, Session 1

- Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Pat Farrell, University of Minnesota
 CHAIR(S): Pat Farrell, University of Minnesota
8:00 Harishchandra Abayarathna*, University of Kelaniya, *Lessons from History for Reconciliation.*
8:20 Dinesha Rasanjali Senarathna*, University of Kelaniya, *Post-War Potential for Developing MICE Tourism Industry in Sri Lanka.*
8:40 Nishan Priyantha Sakalasooriya*, University of Kelaniya, *The root causes behind the ethnic issue in northern and eastern regions of Sri Lanka: A geographical analysis.*
9:00 Varunika Nishani Fernando*, University of Kelaniya, *Post War Cultural Changes in Sri Lanka, with special attention to Jaffna Peninsula.*
 Discussant(s): Pat Farrell, University of Minnesota

3119. Spatial Statistical Methods

- Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Haining Jiang
8:00 Jie Lin*, Zhejiang University; Robert Cromley, University of Connecticut, *A local polycategorical approach to areal interpolation.*
8:20 Aysegül Yeniaras*, University of South Carolina, *Prediction of Fail or Success Rates for Spatial Autocorrelation Methods on Various Data Size and Distributions.*
8:40 Yixiong Xiao*, Beijing Normal University; Qiang Li, Beijing Normal University, *A Road Network Based Interpolation Method To Estimate Crowd Density.*
9:00 Haining Jiang*, *Spatial Pattern of Japan-funded textile and garment manufacturing enterprises in Shanghai.*
9:20 Yingyu Feng*, University of Bristol, *The rise of inequality? A spatiotemporal analysis of housing price disparities in England and Wales during 2001-2014.*

3120. Borders and Sovereignty I (Sponsored by Political Geography Specialty Group)

- Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Md Azmeary Ferdoush, University of Hawaii - Manoa; Reece Jones, University of Hawaii at Manoa
 CHAIR(S): Reece Jones, University of Hawaii at Manoa
8:00 Ariel Otruba*, Rutgers University, *Bordering and Detainment along Georgia's South Ossetian Boundary Line.*
8:20 Gale Patricia Coskan-Johnson*, Brock University, *Fixing the Name of the Transnational Migrant in International Law.*
8:40 Josh Watkins*, University of California, Davis, *Region-building as Risk Governance: Australia's construction of the region as border and asylum seeker securitization.*
9:00 Julie E.E. Young*, McMaster University, *The Mexico-Canada Border: Extraterritorial Border Control and the Production of "Economic Refugees".*
9:20 Nimrod Luz, Prof. *, Western Galilee College, *Borders as Totems Veneration and Consecration by the Separation Wall.*

3121. Indian Land, Allotment and Identity (Sponsored by Indigenous Peoples Specialty Group)

- Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Jonathan Lowell, University of Texas
8:00 Stephen L. Egbert, PhD*, University of Kansas; Josh Meisel, University of Kansas; Joseph Paul Brewer II, PhD, University of Kansas; Paula I Smith, University of Kansas; Dory Tuininga, University of Kansas, *Legacies of Allotment: Policies and Native Land Preferences on the Lake Traverse and Standing Rock Reservations.*
8:20 Alyssa A. Nelson*, *Indigenous & Settler Land Use Collaboration at Quaker Oaks Farm in California's Central Valley.*
8:40 Andrew G. Allen*, University of Kansas, *The Omaha and Allotment: History and Impacts 1870-1940.*
9:00 Jane M. Read*, Syracuse University; Rachel May, Syracuse University; Philip P Arnold, Syracuse University, *Onondaga Lake: Finding a restorative center in digital space.*
9:20 Jonathan Lowell*, University of Texas, *Race & Soil in the Texas Capital.*

3122. Critical Infrastructure Spatial Datasets from Open Source: Techniques, Tools and Trends (Sponsored by Geographic Information Science and Systems Specialty Group, Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Nagendra Singh, Oak Ridge National Laboratory; Matthew Whitehead, Oak Ridge National Laboratory
 CHAIR(S): Nagendra Singh, Oak Ridge National Laboratory
8:00 Christopher L. Saneford*, *Challenges of creating spatial data from open source: Nursing Homes as a Case Study.*
8:15 Miriam A. Cope, PhD*, Wesleyan University; Stephanie Pincetl, PhD, UCLA, *On the potential for resilient spatial data infrastructures: A case study of urban Los Angeles County water management data.*
8:30 Erika Pham*, Oak Ridge National Laboratory, *Solid Waste Management After Extreme Weather Events: An Open Source Approach to Understanding Disaster Debris Impacts.*
8:45 Tracy Kugler*, Minnesota Population Center, *Building a Global Collection of Population Data from Published Census Data.*
9:00 Maria Koutsari*, National Technical University of Athens; Elena Antonopoulou, PhD Candidate NTUA; Christos Chondros, PhD Candidate NTUA; Tatiana Chani, Researcher NTUA, *Makers with Data: Open Sourcing Urbanism.*
9:15 Matthew C Whitehead*, Oak Ridge National Laboratory, *Spatially enabling open source data with remote sensing techniques to produce on entity spatial datasets.*

3123. Higher Education Pedagogy (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Esri)

- Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Geography Education
 CHAIR(S): Sara L. Minard, Indiana University
8:00 Steve Cook*, Oregon State University, *Engaging/Enthusing Students In Large Enrollment Classes.*
8:20 Joseph J. Kerski*, Esri, *Communicating Geography to the General Public.*
8:40 Katsuhiko "Kirk" Oda*, The University of Southern California, *A Process of Transforming an Asynchronous Online Course into a Flipped Classroom*

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Course.

- 9:00** Glathar Janine*, Bucknell University; Rich Crago, Bucknell University; Elyse Pettaway, Bucknell University; Luyang Ren, Bucknell University, *Leveraging 'Precision Conservation' to open new lines of research, teaching and service learning at Bucknell.*
- 9:20** Sara L. Minard*, Indiana University; David Massey, Indiana University, *"Africa is a really big country": why geography matters in undergraduate education and interactive learning strategies..*
- 3124. Crime and Law**
Room: *Imperial A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): William Walton
- 8:00** Martin Oteng-Ababio, Prof*, University of Ghana; Geoge Owusu, Prof, Institute of Statistical Social and Economic Research; Charlotte Wrigley-Asante, Dr, University of Ghana; Adobea Yaa Owusu, Dr, Institute of Statistical Social and Economic Research, *Tackling rising armed robbery menace in Ghana: assessing the trust deficit between victims and perpetrators.*
- 8:20** Natalia Sypion Dutkowska, Ph.D.*, University of Szczecin; Malgorzata Swiatek, Ph.D., University of Szczecin, *Influence of Weather Conditions on Crime in Gdynia (Poland).*
- 8:40** Jayme Walenta*, Texas A&M University, *An Institutional Ethnography of the Courtroom: researching the corporation at a criminal trial.*
- 9:00** William Walton*, School of Law, Northumbria University, UK, *Jurisdictional Choice: The Legal Geography of Tort Litigation and Tort Reform in the USA.*
- 3125. Frontiers in ecosystem services research: social and institutional dynamics (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: *Imperial B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Brian E. Robinson, McGill University
 CHAIR(S): Brian E. Robinson, McGill University
- 8:00** Marketta Kytta*, professor, *The equal accessibility of aquatic ecosystem services: a Public Participation Geographic Information System (PPGIS) study in Helsinki metropolitan area.*
- 8:20** Andrés Gerique, Dr.*, Institute of Geography, University of Erlangen-Nuremberg, Germany, *The Socio Bosque Program in Southeastern Ecuador: the seeming and the real.*
- 8:40** Graham Daly*, Department of Geography, Texas State University; Jason Julian, PhD, Department of Geography, Texas State University, *A river runs through it: How multiple stakeholders use and value the San Marcos River.*
- 9:00** Leah Bremer*, University of Hawai'i, Manoa; The Natural Capital Project, Stanford University; Kim Burnett, PhD, University of Hawai'i, Manoa; Tamara Ticktin, PhD, University of Hawai'i, Manoa; Lisa Mandle, PhD, The Natural Capital Project, Stanford University; Pua'ala Pascual, University of Hawai'i, Manoa; Heather McMillen, PhD, University of Hawai'i, Manoa; Clay Trauernicht, PhD, University of Hawai'i, Manoa; Shimona Quazi, PhD, University of Hawai'i, Manoa; Natalie Kurashima, University of Hawai'i, Manoa; Chris Wada, PhD, University of Hawai'i, Manoa; Thomas Giambelluca, PhD, University of Hawai'i, Manoa, *Managing land for ecosystem services and social-ecological resilience: a case study from Kona, Hawai'i.*
- 9:20** India Jordan Marguriete Southern*, University of Hawaii - Hilo; Michelle Shuey, University of Hawaii - Hilo, *Deforestation in the Amazon Rainforest as a Driver for a Regime Shift in Ecosystem Services.*
- 3126. Family, Life, and Academia (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers; Niem Huynh, American Association of Geographers
 CHAIR(S): Niem Huynh, American Association of Geographers
 Discussant(s): Helen Hazen, University of Denver; Jacqueline A. Housel, Sinclair Community College
 Panelists: Christopher Labosier, Longwood University; Kerry Lyste, Everett Community College; Gillian Acheson, Southern Illinois University Edwardsville
- 3127. Beyond the Ivory Tower B: Preparing Geographers for Government and Nonprofit Careers (Sponsored by Private/Public Affinity Group, AAG Jobs and Careers Theme)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Michael N. Solem, American Association of Geographers
 Discussant(s): Michael R. Ratcliffe, U.S. Bureau Of the Census; Julie Urbanik; Brett J. Lucas, City of Cheney, WA
 Panelists: Peter George Chirico, United States Geological Survey; John Wertman, American Association of Geographers; Lucy Stanfield, US Environmental Protection Agency; Heather R. Houlton, American Geosciences Institute
- 3128. Inhabiting the slow violence of ecological catastrophe**
Room: *Union Square 1, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Nicholas Beuret, Hobart and William Smith Colleges; Anja Kanngieser, University of Wollongong
 CHAIR(S): Nicholas Beuret, Hobart and William Smith Colleges
 Panelists: Jesse Goldstein, Virginia Commonwealth University; Nicholas Beuret, Hobart and William Smith Colleges; Elizabeth R. Johnson, University of Minnesota - Minneapolis; Anja Kanngieser, University of Wollongong; Kai A. Bosworth, University of Minnesota - Minneapolis; Stephanie Wakefield, CUNY Graduate Center
- 3129. Historical Spatial Epidemiology Panel (Sponsored by Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Brian Bossak, Florida Gulf Coast University; Amanda Weber, Oklahoma State University; Mark Welford, Georgia Southern University
 CHAIR(S): Brian Bossak, Florida Gulf Coast University
 Panelists: David Haynes, University of Minnesota; Eric M. Delmelle, University of North Carolina at Charlotte; Zan Dodson, University of Pittsburgh; Monica A. Hoffman, U.C. San Diego; Ingrid L. Nelson, University of Vermont
- 3130. Fusion of Geospatial Big Data (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Remote Sensing Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Aiman Soliman, NCSA University of Illinois Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Aiman Soliman, NCSA University of Illinois Urbana-Champaign
- 8:00** Ankit Soni*, Minnesota Population Center - Minneapolis, MN; David Haynes, Minnesota Population Center; Suprio Ray, University of New Brunswick, *High Performance Analysis of Big Spatial Data.*
- 8:20** Yimeng SONG*, Chinese University of Hong Kong, *Subcenters Identification by Using Social Media Data*

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and Night-time Light Imager.

- 8:40** Aiman Soliman*, NCSA University of Illinois Urbana-Champaign, *A Cloud-based CyberGIS Workflow to Fuse Location Based Social Networks and Authoritative Data for Population Dynamics Studies.*
- 9:00** Jessica J. Moehl*, Oak Ridge National Laboratory; Amy N. Rose, PhD., Oak Ridge National Laboratory, *Towards a Global Buildings Database.*
- 9:20** Xining Yang*, California State U-Chico, *A data-driven framework for monitoring and exploring food environment.*

3131. Objects of Security and War 1: Objects of Security (Sponsored by Political Geography Specialty Group)

- Room:* Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Katharine Hall Kindervater, Dartmouth College; Ian Shaw, The University of Glasgow
- CHAIR(S): Ian Shaw, The University of Glasgow
- Introducer: Katharine Hall Kindervater
- 8:20** Katherine Chandler*, Georgetown University, *Leaky Documents: The Materiality of Secrecy and Public Revelations.*
- 8:40** David Murakami Wood*, Queen's University; Michael Carter*, Queen's University, *Hacking Smart Cities: from phone phreaking through cyberwar to participatory programming?*
- 9:00** David Grondin*, University of Ottawa, *Mobilizing Algorithmic Security in the National Security State after Snowden: A Critique of Big Data-Security and the Security/Mobility Nexus.*
- 9:20** Philip Garnett*, University of York, *Vectorising the Human.*

3132. Mountain Connectivity: Conservation and Development (Sponsored by Biogeography Specialty Group, Development Geographies Specialty Group, Mountain Geography Specialty Group)

- Room:* Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Swetha Peteru, Texas A&M University; Fausto O. Sarmiento, University of Georgia
- CHAIR(S): Swetha Peteru, Texas A&M University
- 8:00** Jennifer K. Lipton, PhD*, Central Washington University, *From Peaks to People: Horizontal and Vertical Corridors for Managing Resilience.*
- 8:20** Mark Welford*, Georgia Southern University, *Christmas Bird Counts suggest regional-scale environmental change in NW Ecuador.*
- 8:40** Jan Sallick, Senior Curator*, Missouri Botanical Garden; Robbie Hart, Dr., Missouri Botanical Garden; Zhendong Fang, Director, Shangrila Alpine Botanical Garden, *Sacred Himalayan Mountains for Biocultural Conservation under Climate Change.*
- 9:00** Fausto O. Sarmiento*, University of Georgia; tomás J. Ibarra, Pontifical Catholic University of Chile; Antonia Barreau, University of British Columbia; Cristobal Pizarro, University of Waterloo; Ricardo Rozzi, University of North Texas; Juan Gonzalez, Fundacion Miguel Lillo, Tucuman, Argentina; Larry M. Frolich, Miami Dade College; Richard A Milligan, University of Georgia, *Critical biogeography of mountains: towards a biocultural landscape frontier of Montology.*
- 9:20** Swetha Peteru*, Texas A&M University, *Plant Biodiversity Changes in an Agroforestry Management System.*

3133. Wetlands

- Room:* Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Program Committee
- CHAIR(S): Michael E. Hodgson, University of South Carolina
- 8:00** Ian Scott Evans*, University of Waterloo; Derek Thomas Robinson, University of Waterloo, *Characterizing natural landscapes for wetland reclamation in Alberta.*
- 8:20** Silvia E. Piovan*, University of Padova; Michael E. Hodgson, University of South Carolina, *How Many*

Carolina bays? An analysis of the number of Carolina bays for wetland mitigation.

- 8:40** Zhenghong Tang*, University of Nebraska-Lincoln; Hongfeng Yu, University of Nebraska-Lincoln, *"Nebraska Wetland": A Mobile Information Platform to Engage Citizen Participation in Wetland Conservation.*
- 9:00** Michael E. Hodgson*, University of South Carolina; John Kupfer, University of South Carolina; Silvia E Piovan, University of Padova, Italy; Sean Connolly, South Carolina Department of Transportation; Chad Long, South Carolina Department of Transportation; Haiqing Xu, University of South Carolina; Parker Leslie, University of South Carolina; Tucker Creed, South Carolina Department of Transportation; Jeff Sicheloff, South Carolina Department of Transportation; Russell Chandler, South Carolina Department of Transportation; Karen Beidel, University of South Carolina; Peng Gao, South Carolina Department of Transportation, *Modeling Wetlands Likelihood for Transportation Mitigation Projects.*

3134. Towards a Political Ecology of the Arctic. Land, resources and the hermeneutics of governmentality. (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Polar Geography Specialty Group)

- Room:* Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Michael J. Laiho, University of Durham
- CHAIR(S): Scott Stephenson, University of Connecticut
- 8:00** Dana Holtby*, Carleton University, *New Models, Old Goals: Neoliberal state approaches to mine readiness programming in Canada's North.*
- 8:20** Kristen L Shake*, Clark University; Deborah G Martin, Clark University; Karen E Frey, Clark University; Robin K Craig, University of Utah; Philip E. Steinberg, Durham University, *(Un)Frozen Boundaries: Examining the role of sea ice in the socio-legal dynamics of the Bering and Beaufort Seas.*
- 8:40** Colin Robert Sutherland*, York University, *A thawing border: Arctic materiality and geopolitical conservation.*
- 9:00** Kevin Hillmer-Pegram*, University of Alaska Fairbanks, *Local visions for integrating indigenous values with capitalism through tourism: the case of Barrow, Alaska.*

3137. Transformation of China's Mega Cities I (Sponsored by China Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

- Room:* Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Wei Xu, University Of Lethbridge; George C.S. Lin, University of Hong Kong
- CHAIR(S): Wei Xu, University Of Lethbridge
- 8:00** YIFEI WU*, The University of Hong Kong, *Reproducing urban space with over-drafted capital: mega-events, local debts, and spectacular urbanism in China.*
- 8:20** Rongxu Qiu*, University of Lethbridge; Wei Xu, University of Lethbridge, *Land development processes in Shanghai.*
- 8:40** Ting Jin, MPhil Student*, The Chinese University of Hong Kong; Jianfa Shen, Professor, The Chinese University of Hong Kong, *Spatial Evolution of China's Steel Industry.*
- 9:00** Yinghui Kong*, Peking University; Canfei He, Peking University; Chusheng Lin, the University of Hongkong, *A Study of the Motivations of local governments to Hold Mega-Events under Political Promotion Incentives: An Empirical Analysis of Panel Data from Municipal-Level Cities.*
- 9:20** Yanpeng Jiang*, The Australian National University; Paul Waley, School of Geography, University of Leeds, *Defining land-based coalitions in Shanghai's second hub.*

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- 3138. Social Geographies of Urban Abandonment Session 1 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Sara Safransky, UNC-Chapel Hill; Erin Collins, American University
 CHAIR(S): Erin Collins, American University
8:00 Sara Safransky*, Vanderbilt University, *The Social Geographies of Urban Abandonment*.
8:20 Jacob Doherty*, Stanford University, *Clean Feelings: Investment and Abandonment in the Coming Kampala*.
8:40 Joe T. Darden*, Michigan State University, *Detroit: Why it became the Largest Bankrupt City in United States History*.
9:00 Geraldine J. Pratt*, University Of British Columbia; Caleb Johnston, University of Edinburgh; Vanessa Banta, University of British Columbia, *Life-times and Spaces of Disposability in Bagong Barrio, Metro Manila*.
 Discussant(s): Kate Derickson, University of Minnesota
- 3139. Discussion on Conducting Fieldwork in Latin America (Sponsored by Latin America Specialty Group)**
Room: *Union Square 12, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Joshua Rudow, University of Texas-Austin Department of Geography; Diego Pons, University Of Denver; Anna G. Sveinsdóttir, University of Denver
 CHAIR(S): Joshua Rudow, University of Texas-Austin Department of Geography
 Panelists: Diego Pons, University Of Denver; Matthew John Taylor, University Of Denver; Anna G. Sveinsdóttir, University of Denver; Joshua Rudow, University of Texas-Austin Department of Geography; Lindsey Carte, Utah State University
- 3140. Producing Vulnerabilities 1: Smallholder livelihoods and global change in Central America and the Caribbean (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
Room: *Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Christopher Bacon, Santa Clara University; Iris Stewart-Frey; Tad Mutersbaugh, University of Kentucky
 CHAIR(S): Christopher Bacon, Santa Clara University
8:00 Catherine Tucker*, Indiana University, *Seeking Resilience in Contexts of Risk: Smallholder coffee producers and adaptations to global change in Central America*.
8:20 Zack Guido, PhD*, University of Arizona; Timothy Finan, PhD, University of Arizona; Kevon Rhiney, PhD, University of West Indies, Mona, Jamaica; Valerie Rountree, University of Arizona; Malgosia Madajewicz, Columbia University; Cathy Vaughan, International Research Institute for Climate and Society, Columbia University; Teddy Allen, Phd, International Research Institute for Climate and Society, Columbia University; Viviana Rivera-Burgos, Columbia University, *The Vulnerability of Jamaican Blue Mountain Coffee Farmers to Interrelated Social, Environmental, and Climate Stresses: Feedbacks and Relationships*.
8:40 Rachel Ward*, UC Berkeley, *Climate Change Adaptations: Roya and Resilience in Copán, Honduras*.
9:00 Christopher Bacon*, Santa Clara University; William Sundstrom, Santa Clara University; Iris Stewart-Frey*, Santa Clara University; David Beezer, Santa Clara University, *Vulnerability or Resilience: Smallholders Respond to Drought and the Coffee Rust Outbreak in Nicaragua*.
 Discussant(s): Tad Mutersbaugh, University of Kentucky
- 3141. Remaking the global economy VI: GPNs and the environment, part 2 (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: *Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Aarti Krishnan, Global Development Institute; Stefano Ponte, Copenhagen Business School; Valentina De Marchi
 CHAIR(S): Stefano Ponte, Copenhagen Business School
8:00 Andrew Warren, University of Wollongong, Australia; Chris Gibson*, University of Wollongong; Shaun McKiernan, University of Wollongong, Australia, *Global Production Networks, resource scarcity and environmental regulation: the portentous case of acoustic guitar manufacturing*.
8:20 Rachel Alexander*, University of Manchester, *Governance for Sustainability in Global Production Networks: Exploring the Case of UK Retailers Sourcing Cotton Garments from India*.
8:40 Kuan-chi Wang*, University of Oregon, *Making GM Papaya: The Global Food Network and its Regionalization*.
9:00 Ross William Jones, Teaching Fellow, Geography*, University of Manchester, *Rethinking global production networks in a changing climate*.
9:20 Lasse Folke Henriksen*, Copenhagen Business School; Stefano Ponte, Copenhagen Business School, *The Network Origins of the Global Aviation Biofuel Industry*.
- 3142. Participatory Regional Development and Planning (Sponsored by Cultural and Political Ecology Specialty Group, Regional Development and Planning Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Union Square 15, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Zachary A. Jones, Eastern Michigan University
 CHAIR(S): Zachary A. Jones, Eastern Michigan University
8:00 Julie Watson*, *Environmental Justice in Transboundary Water Management: Disrupting the Corruption-Enclosure-Face Nexus*.
8:20 Lin Zhang*, *The co-evolution of planning, public participation and planning support techniques in China*.
8:40 Carter Koppelman*, University of California - Berkeley, *Contentious Participation: Claiming Urban Rights within Neoliberal Housing Policies in Brazil and Chile*.
9:00 Piotr Jankowski*, San Diego State University; Michal Czepkiewicz, Institute of Geocology and Geoinformation, Adam Mickiewicz University in Poznan, Poznan, Poland; Marketta Kyttä, Department of Real Estate, Planning and Geoinformatics, Aalto University, Finland, *Geo-questionnaires in Urban Planning: assessing spatial representativeness, recruitment methods, and data quality in applications from Poland and Finland*.
9:20 Nuria Del Viso*, Fuhem Ecosocial / UNED, *Cultivating Relationships and Harvesting Vegetables. Infrastructures of Resistance in a Community Garden in Spain: An Ethnographic View*.
- 3143. Temporary Clusters, Temporary Markets and Organizational Fields**
Room: *Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Harald Bathelt, University of Toronto; Sebastian Henn, University of Jena
 CHAIR(S): Gordon L. Clark, Smith School of Enterprise and the Environment
8:00 Sebastian Henn*, University of Jena, *Conferences as Temporary Clusters: Temporary Communication, Sense-Making and Trans-Local Knowledge Generation*.
8:20 Yiwen Zhu*, East China Normal University; Gang Zeng, East China Normal University, *Bridging Local and*

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Global Networks: A Case Study of Shanghai Equipment Manufacturing.

8:40 Flavio De Campos Vendrusculo*, University of Sao Paulo, *The role of trade fairs in the Brazilian health industry complex.*

9:00 Harald Bathelt*, University of Toronto; Peng-Fei Li, University of Toronto, *Dynamic Trade Fair Ecologies: From Temporary Market to Temporary Cluster.*

9:20 Melanie Fasche*, University of Toronto, *The test of time: temporary marketplaces, speculative prices and enduring value.*

3144. Renegotiating territory and power in the food system: geographic perspectives on food sovereignty I (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Economic Geography Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Amy Trauger, University of Georgia; Marion Werner, University at Buffalo, SUNY; Bradley Wilson, West Virginia University

CHAIR(S): Amy Trauger, University of Georgia

8:00 Bradley R. Wilson, Ph.D.*, West Virginia University, *Food Sovereignty, Agrarian Politics and Certification Enclosures in Nicaragua.*

8:20 Marion Werner*, University at Buffalo, SUNY, *Food systems and sovereignty in the Dominican Republic.*

8:40 Rita Calvário*, Institute for Environmental Sciences and Technologies (ICTA), Autonomous University of Barcelona (UAB), *Food sovereignty and new peasantries: on repeasantization and counter-hegemonic contestations in the Basque territory.*

9:00 Amy Trauger*, University of Georgia, *Making Political Space for Life: Food Sovereignty as Radical Collectivism.*

Discussant(s): Annette Desmarais, University of Manitoba

3145. Geoeconomics (Sponsored by Political Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

8:00 Dona Stewart*, University of South Florida St. Petersburg, *Climate Change and Negotiated Agreements in the Middle East.*

8:20 Rodrigo Ignacio Salcedo, Associate Professor*, Universidad Católica del Maule; Alejandra Paz Rasse, Assistant Professor, Pontificia Universidad Católica de Chile; Tomás Errázuriz, Assistant Professor, Universidad Católica del Maule; Claudia Concha, Assistant Professor, Universidad Católica del Maule, *The organization of space in agricultural territories.*

8:40 Cecilie Friis*, IRI THESys, Humboldt-Universität zu Berlin, *Agricultural transformation in a telecoupled landscape: The case of banana plantation investments in Northern Laos.*

9:00 Garrett Smith*, Kennesaw State University, *Incorporating the Southern Forest into an Economic Geography Course.*

9:20 Tatek Abebe*, Norwegian University of Science and Technology, *Political Economy of Children's Work in post-Socialist Ethiopia.*

3146. History of Geography I—Exploration and Delineation (Sponsored by History of Geography Specialty Group, AAG Archives and Association History Committee)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Dorothy Sack, Ohio University

CHAIR(S): Dorothy Sack, Ohio University

8:00 Andrew Milson*, University of Texas - Arlington, *Suffering*

for Science in Louisiana Territory: William Dunbar and Science Travel in Jeffersonian America.

8:20 Saangkyun Yi*, Northeast Asian History Foundation; Young-Hoon Kim, Korea National University of Education, *World map making history and discovery of the Far East: influence and process of map making in the eastern sea of Korea peninsula.*

8:40 Oyndrila Sarkar*, University of Heidelberg, *Rules of Mapping: The Making of Surveyors and of Surveying in Nineteenth Century India.*

9:00 Hannah Fitzpatrick*, *The 'missing' geography of Partition: Oskar Spate and the Punjab Boundary Commission, 1947.*

3147. Hurricanes 1 (Sponsored by Coastal and Marine Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR(S): Kam-Biu Liu, Louisiana State University

8:00 Stephanie Zick*, University of Florida; Corene Matyas, University of Florida, *Environmental Conditions Associated with Evolving Tropical Cyclone Synoptic-Scale Precipitation Structure in the Gulf of Mexico Region.*

8:20 Corene J Matyas*, University of Florida; Yao Zhou, University of Florida, *Relating Environmental Conditions to Storm Shape for Tropical Cyclones Landfalling Over the Western Gulf of Mexico and Caribbean Sea.*

8:40 Yao Zhou*, University of Florida; Corene Matyas, University of Florida, *Spatial characteristics of precipitation associated with landfalling tropical cyclones over eastern U.S..*

9:00 Yu Wang*, University of Florida; Corene Matyas, University of Florida, *Detecting Effects of Spatial Patterns of Land Surface on Tropical Cyclone Rainfall Structure using Hurricane Nature Run (HNR) with Weather Research Forecasting (WRF) Model.*

9:20 Erik Fraza*, Florida State University; James B. Elsner, Florida State University, *A space-time statistical climate model for hurricane intensification.*

3148. Diverse Perspectives on Process and Place

Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Heidi Lannon, Santa Fe College

8:00 Laura Bloomfield, M.S.*, Stanford University, *Household Land-use Decisions as a Driver of Human-Wildlife Interactions in Agricultural Communities of western Uganda.*

8:10 Yunzhe Dai*, China University of Geosciences, *Agricultural Land Use Optimization in Selenium Enriched Area Based on Soil Geochemical Characteristics.*

8:20 Chang Zhao*, University of Iowa; Heather A. Sander, University of Iowa, *Uncertainties in ecosystem service mapping: a comparison of carbon storage maps.*

8:30 Chris W. Baynard, Associate Professor*, University of North Florida, Dept. of Economics and Geography; Robert D. Richardson, Director Research Technology Services, University of North Florida, College of Computing, Engineering and Construction, *Energy development trends in the Pawnee National Grasslands, northeastern Colorado.*

8:40 Louise Dunne, BA, MSc, PhD*, University College Dublin; John Feehan, BSc, MSc, Phd, *The Mushroom Stones Of Ireland.*

8:50 Scott S. Brown*, Francis Marion University, *Northern Mexico's Folk Houses: Old World Origins and Ecological Similarities.*

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- 9:00 Heidi J.L. Lannon*, Santa Fe College, *Recruitment and Retention Challenges in Geosciences in the 2-year College Environment.*
- 3149. The Politics of Farming in North America 1: Challenges and Resistance (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Julia Laforge, University of Manitoba; Bryan Dale, University of Toronto
 CHAIR(S): Julia Laforge, University of Manitoba
 8:00 Bryan Dale*, University of Toronto, *Agroecology and System Change: The Struggles of Two Farmers' Organizations in Canada.*
 8:20 Antonio Roman-Alcalá*, *Scales of Action in US Food Movements: Cases from California.*
 8:40 Kate Munden-Dixon*, UC Davis Geography Graduate Group, *Place-based agrifood system politics: a regional analysis of Community Supported Agriculture (CSA) in California.*
 9:00 Dawn M. Drake*, Missouri Western State University, *Where the Furrow Meets the Frontage Road: Farming the Suburbs.*
 Discussant(s): Kirsten Valentine Cadieux, Hamline University
- 3150. Geographical Methods for Climate Adaptation: Perspectives from CDC CRSCI Participants (Sponsored by Climate Specialty Group)**
Room: Union Square 25, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): David M. Hondula, Arizona State University; Christopher Uejio, Florida State University
 CHAIR(S): David M. Hondula, Arizona State University
 Panelists: Robert Lipton, Preention Research Center; Christopher Uejio, Florida State University; David M. Hondula, Arizona State University
- 3151. Eurasian Themes VI: The Emerging Eurasia-Pacific: Geographies and Modalities of Economic, Social, Cultural and Political Interaction in the Emergent "Pacific Mediterranean" (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jeremy Tasch, Towson University; Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research
 CHAIR(S): Andrey N. Petrov, University of Northern Iowa
 8:00 Gary Hennigh*, self, *Alaska & Hawaii - Geographical Comparisons and Contrasts of America's two Pacific Frontier States.*
 8:20 Lusha Zhou*, University of Toronto, *Grounding flows of water: place-based green infrastructure in urbanizing Lào Cai, Vietnam.*
 8:40 Yasa N. Belmar, MSc., BSc. (Hons)*, University of Queensland; Tiffany H Morrison, PhD, James Cook University; Karen E McNamara, PhD, University of Queensland, *Water security in the Anthropocene: 'Transformations' in Small Island Developing States.*
- 3152. H. Jesse Walker and Coastal Geography 3 (Sponsored by Coastal and Marine Specialty Group, Geomorphology Specialty Group)**
Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Phillip P. Schmutz, University of West Florida; Peter Tereszkiwicz
 CHAIR(S): Peter Tereszkiwicz
 8:00 Paul A. Gares*, East Carolina University; Thad Wasklewicz, East Carolina University; Alex Smith, University of Ulster, Coleraine, *Blowout Response to a High Magnitude Wind Event at Provincelands Dunes, MA.*
- 8:20 Alison McNally, Ph.D.*, CSU Stanislaus, *Optically Stimulated Luminescence Dating of Dune Sediments, Antioch, CA.*
- 8:40 Christy Swann*, Texas A&M University; Ryan Ewing, Texas A&M University; Douglas Sherman, University of Alabama, *A Threshold Continuum for Aeolian Sand Transport.*
- 9:00 Phillip P. Schmutz*, University of West Florida, *Evaluating beach moisture exchange pathways utilizing an isotope mass balance approach.*
- 3153. Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 1 (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jennifer K. Sedell, University of California, Davis; Jeffrey Vance Martin, University of California - Berkeley
 CHAIR(S): Jeffrey Vance Martin, University of California - Berkeley
 8:00 Harold A Perkins*, Ohio University, *Killing One Trout to Save Another: The Hegemonic Political Ecology of Aquatic Ecological Networks.*
 8:20 Christine Biermann*, University of Washington, *Where diversity meets purity: fisheries and multi-species biopolitics.*
 8:40 Timothy Hodgetts*, University of Oxford, *Connectivity, mobility and biopolitics in UK wildlife conservation.*
 9:00 Jennifer K. Sedell*, University of California, Davis, *Scales, flies, and quarantines: Spatializing biosecurity in U.S. agriculture, 1881-1913.*
 9:20 Gwendolin McCrea*, University of Minnesota, *Biosecurity, Territory and Multi-Species Spatial Relations.*
- 3154. Geographies of Media X: Unmappable (2014) - a short film about Denis Wood, by Diane Hodson & Jasmine Luoma (Sponsored by Communication Geography Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Denis Wood
 CHAIR(S): Joseph Palis, University of the Philippines-Diliman
 Discussant(s): Denis Wood
 Panelists: Joseph H. Bryan, Department of Geography, University of Colorado, Boulder; Liz Mason-Deese, UNC Chapel Hill; James Craine, California State University Northridge
- 3155. Political Ecologies of Environmental Control, Conflict and Crisis 1 (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Africa Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Maano Ramutsindela, University of Cape Town; Bram Büscher, Sociology of Development and Change, Wageningen University; Elizabeth Lunstrum, Department of Geography
 CHAIR(S): Elizabeth Lunstrum, Department of Geography
 Introducer: Elizabeth Lunstrum
 8:20 Marcella Schmidt di Friedberg, Prof.*, Università di Milano-Bicocca; Stefano Malatesta, Dr., University of Milano-Bicocca, *Political Ecologies and Climate Change discourse in the Maldives.*
 8:40 Leonie Tuitjer*, University of Durham, *Assembling an Urban Political Ecology of Climate Change and Mobility in Bangkok in times of political turmoil.*
 9:00 Sophia Borgias*, University of Arizona School of Geography and Development, *Politicizing drought: social movements and water scarcity in Chile's climate change 'crisis'.*
 9:20 Tadesse Kidane-Mariam*, Edinboro University Of Pennsylvania, *The Political Ecology of Resource Extraction In Midroc's Gambella Rice Development*

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- 3156. Tourism and simulacra. Imaginaries, architectures, performances 1 (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Maria Gravari, IREST; Jean-François Staszak, Geneva University
 CHAIR(S): Jean-François Staszak, Geneva University
8:00 Yasmin Buchrieser*, EIREST, Université Paris I Panthéon-Sorbonne, *Simulacra and authentic Charles Rennie Mackintosh architecture in Glasgow in relation to tourism.*
8:20 William McCarthy*, Zayed University, *A Comparative Study of the Success and Failure of the Main Street USA Simulacrum in Hong Kong and California Disneyland.*
8:40 Yue Lu*, EA EIREST 7337, University of Paris 1 Pantheon-Sorbonne, *Heritage and Tourism in Italian Theme Towns of Tianjin: Towards a New Kind of Space of Consumption.*
9:00 Maria Gravari*, IREST, *Imagined landscapes of Paris. Tourism simulacra of the City of Light.*
 Discussant(s): Li Yang, Western Michigan University
- 3157. Mobility and Morality 1: Justice in Theory and Practice (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Geoffrey Andrew Battista, McGill University; Kevin Manaugh, McGill University
 CHAIR(S): Kevin Manaugh, McGill University
8:00 Joanna Elvy*, University of Leeds; Frances Hodgson, University of Leeds; Karen Lucas, University of Leeds; Graham Currie, Monash University; Alexa Delbosc, Monash University, *The role of social capital in different participatory transport planning contexts: a comparison of Australian and English perspectives.*
8:20 Andre Novoa*, Northeastern University, *Sustainable motility: introducing a new concept.*
8:40 Zahra Hamidi*, Department of Urban Studies, Malmö University / K2 - The Swedish Knowledge Centre for Public Transport, *Framing Mobility in the Just city.*
9:00 Sören Groth*, University Frankfurt, *The Multimodal Divide - Inequalities in material preconditions for multimodal travel behaviour.*
9:20 Geoffrey Andrew Battista*, McGill University, *Grounding discourse analysis in space using qualitative GIS.*
- 3158. Population Patterns and Dynamics (Sponsored by Population Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Seth E. Spielman, University of Colorado
 CHAIR(S): Rodrigo Edgardo Gonzalez Lagos, Universidad De Santiago De Chile
8:00 Rodrigo Edgardo Gonzalez Lagos*, Universidad De Santiago De Chile; Rodrigo Edgardo Gonzalez, Lagos, Universidad de Santiago de Chile, *Mapping the Housing Policy of the 21st century in Santiago de Chile..*
8:20 Marie Urban*, Oak Ridge National Laboratory; Robert N. Stewart, Oak Ridge National Laboratory; Samantha E. Duchscherer, Oak Ridge National Laboratory, *Challenges in Capturing Building Use Dynamics.*
8:40 Savannah Collins*, Oak Ridge National Laboratory, *Systematizing Demographics to Enhance the Accuracy of Population Density.*
9:00 Forrest R. Stevens, Ph.D.*, University of Louisville; Andrea E. Gaughan, Ph.D., University of Louisville; Andrew J. Tatem, Ph.D., University of Southampton; Catherine Linard, Ph.D., Université Libre de Bruxelles; Alessandro Soricchetta, Ph.D., University of Southampton; Graeme M. Hornby, University of Southampton, GeoData, *Mapping Population Change Through Time - Methodological Advances for WorldPop Temporal Data.*
- 3159. Symposium on Human Dynamics Research: Smart City and Urban Research Frontiers (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Urban Geography Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
8:00 Deren Li*, Wuhan University, *Big Geospatial Data in Smart City.*
8:20 Amy N. Rose*, Oak Ridge National Laboratory; Melissa Allen, Oak Ridge National Laboratory; Jiangye Yuan, Oak Ridge National Laboratory; Marcia Branstetter, Oak Ridge National Laboratory; Joshua New, Oak Ridge National Laboratory; Olufemi Omitaomu, Oak Ridge National Laboratory, *Modeling Urban Energy Use Scenarios at Neighborhood Resolution.*
8:40 Tuuli Toivonen*, University of Helsinki; Henriikki Tenkanen, University of Helsinki; Olle Järv, University of Helsinki; Maria Salonen, University of Helsinki, *Dynamic Accessibility Models: Accounting for Multidimensional Temporality in Urban Multimodal Accessibility Analyses.*
9:00 Ranald Richardson*, Newcastle University; Liz Robson, CURDS, Newcastle University, *Big Data, the Internet of Things and Innovation in the City: The case of Transport.*
9:20 Rein Ahas*, University of Tartu, *Mobile phone based sensor data for Smart City solutions.*
- 3160. New forms and spaces of collective ownership 2 (Sponsored by Economic Geography Specialty Group)**
Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Andrew W. Zitcer, Drexel University; Laura Wolf-Powers, Center for Urban Research
 CHAIR(S): Andrew W. Zitcer, Drexel University
8:00 Andrew W. Zitcer, Ph.D.*, Drexel University, *Sticking Together: Community Acupuncture as a Cooperative Project.*
8:20 James DeFilippis*, Rutgers University; Evan Casper-Futterman, Rutgers University, *On Economic Democracy in Community Development.*
8:40 Evan Casper-Futterman*, Rutgers University, *An Inquiry into the Scalar Question in Community Development.*
9:00 Laura Wolf-Powers, PhD*, Center for Urban Research; Marc Doussard, University of Illinois Urbana-Champaign; Maximilian H Eisenburger, University of Illinois Urbana-Champaign; Charles Heying, Portland State University; Steve Marotta, Portland State University; Greg Schrock, Portland State University, *Exploring mutualistic tendencies in the maker movement: results from a cross-sectional study of urban start-up manufacturers and their institutional networks.*
 Discussant(s): Ann Markusen, University of Minnesota
- 3161. Human Geography Poster Session II**
 Posters for this session can be found on pages 236-238.
Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
 *** Continued into next slot, 3261

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3162. Urban Design and the Construction of Social Identity

Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zhou Suhong, China 510275

8:00 Chih Yuan Woon*, National University Of Singapore, *Negotiating Borderscapes: Cross-Strait Relations and the Performances of Citizenship and Identities in Kinmen, Taiwan.*

8:20 Yingying Cui*; Keshi CHEN; Danqing Fang, *From Cognition to Implementation: Study on Development and Urban Design System of Ethnic Cultural Tourist Town -- Taking the Practice of Lulang, Tibet, as an Example.*

8:40 Bryan Winter*, University of South Florida, *Observing Street Vending in Nanchang, China: How Informal Livelihoods Construct an Urban Sense of Place.*

9:00 Sanjin Mao*; Si-ming Li, *The Spatial Pattern of Residential Mobility in Guangzhou, China.*

9:20 Suhong Zhou*, China 510275, *Spatio-temporal constraints of low income groups' out-of-home activities and social exclusion.*

3163. Land Use and Land Cover Change

Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Chen Zugang

8:00 Wenwu Zhao*, Beijing Normal University, *Pattern-Process-service-sustainability: the changing landscape ecology.*

8:20 Junfang Gong*; Ruwei Deng; Liangang Ruan; Rui Liu; Qingfeng Guan, *Assessment of Lake Landscape Change of Wuhan, China during 1995 to 2015.*

8:40 Wuyan Li, Associate Professor*, Zhejiang University of Finance & Economics; Hua Wang, Assistant Professor, Zhejiang University of Finance & Economics Dongfang College, Zhejiang, Jiaxing; Xin Wei, Associate Professor, Agriculture Regional Planning Institute of Zhejiang Academy of Agricultural Sciences; Meiqing Wang, Associate Professor, Agriculture Regional Planning Institute of Zhejiang Academy of Agricultural Sciences; Ping Xu, Assistant Professor, Agriculture Regional Planning Institute of Zhejiang Academy of Agricultural Sciences; Yongpeng Sun, Associate Professor, Agriculture Regional Planning Institute of Zhejiang Academy of Agricultural Sciences, *Evaluation of Occupation and Supplement Cropland? Case of Zhejiang Province.*

9:00 Olubunmi Alugbin*, Lagos State Ministry of Physical Planning and Urban Development, Nigeria, *An Analysis of the Public Policy on the use of Public Open Spaces in Lagos State, Nigeria ..*

9:20 Zugang Chen*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Jia Du, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Xiafang Yue, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *A desertification simulation model which is based on system dynamics and coupled nature-human factors and Its implementation.*

3165. Biogeography, Forests

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sunita Yadav, University of Cincinnati

8:00 Carlos Alberto Morales-Ramirez*, West Chester University; Joan Welch, West Chester University, *Native and non-native plants in forest interior versus edge canopy gaps.*

8:20 Michael T Dobbins, MS*, University of Florida; Michael K Steinbering, PhD, University of Alabama; Eben N Broadbent, PhD, University of Alabama; Sadie J

Ryan, PhD, University of Florida, *Habitat use, activity patterns, and human interactions with jaguars in southern Belize.*

8:40 Sunita Yadav*, University of Cincinnati; E. Emiel van Loon, University of Amsterdam; Theresa Culley, University of Cincinnati, *The association between plant breeding systems and geography in the Hawaiian genus *Schiedea*.*

3166. Applications of Nighttime light data 1: progresses, opportunities and challenges

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Qingxu Huang, Beijing Normal University

CHAIR(S): Qingxu Huang, Beijing Normal University

8:00 Bailang Yu*, East China Normal University; Chen Peng, East China Normal University; Min Tang, East China Normal University; Zuoqi Chen, East China Normal University; Kaifang Shi, East China Normal University; Jianping Wu, East China Normal University, *The mixture of Double Pareto Lognormal distributions for global anthropogenic nighttime light.*

8:20 Min Xu*; Zhifeng Liu; Chunyang He; Qingxu Huang, *How does urban land expand in China from 1992 to 2015: a multi-scale landscape analysis.*

8:40 Tang Min*, 1 Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2 School of Geographic Sciences, East China Normal University; Peng Chen, 1 Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2 School of Geographic Sciences, East China Normal University; Yu Bailang, 1 Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2 School of Geographic Sciences, East China Normal University; Chen Zuoqi, 1 Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2 School of Geographic Sciences, East China Normal University; Shi Kaifang, 1 Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2 School of Geographic Sciences, East China Normal University; Wu Jianping, 1 Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2 School of Geographic Sciences, East China Normal University, *A method for mapping built-up urban area based on the mixture of Double Pareto Lognormal distributions of nighttime light data.*

9:00 Yunqian Chen*; Jian Peng, *The Scope of Urban Agglomeration in China Based on DMSP_OLS lighting data.*

9:20 Ana Luisa Marquez Trejo*, University of Puerto Rico Rio Piedras Campus, *Atmospheric radiance caused by light pollution and urban populations in the Insular Caribbean.*

3167. Spatial Weights: Empirical practices (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Xiang Ye, University at Buffalo; Jeon-Young

Kang, SUNY - Buffalo

CHAIR(S): Xiang Ye, University at Buffalo

8:00 Jian Qing*, SUNY - Buffalo, *Constructing Areas for Health Issues.*

8:20 Shuwei Zhang*, *Estimating Local Fractal Dimension Values Using Geographically Weighted Scheme.*

8:40 Yuanshuo Xu*, Cornell University, *Killing Growth Machine: The Spatial Varied Impacts of Fiscal Decentralization on Local Growth.*

9:00 Chih-Yu Lai*, University of Oklahoma, *The Impact of*

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Nuclear Waste Shipments on House Market: A Spatial Difference-in-Differences Estimation.

Discussant(s): Jared Aldstadt, University at Buffalo

3168. Geospatial Resources for Cancer Research and Cancer Control - Part 1 (Sponsored by International Geography, GIScience, and Urban Health Theme, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): David Stinchcomb, Westat; Zaria Tatalovich, National Cancer Institute

CHAIR(S): David Stinchcomb, Westat

8:00 Geoffrey M. Jacques*, SUNY - Buffalo, *Genetic GIScience:*

Towards a place-based synthesis of the genome, exposome and behavior.

8:20 Salma Shariff-Marco, PhD, MPH*, Cancer Prevention Institute of California; Juan Yang, PhD, MPH, Cancer Prevention Institute of California; Margaret Weden, PhD, RAND Corporation; Andrew Hertz, Cancer Prevention Institute of California; David O. Nelson, PhD, Cancer Prevention Institute of California; Scarlett Lin Gomez, PhD, MPH, Cancer Prevention Institute of California, *Neighborhood archetypes: an innovative tool for understanding how place impacts disparities in cancer mortality.*

8:40 Zhiyong Hu*, University of West Florida, *Eigenvector-based spatial filtering regression of lung cancer mortality rate on PM2.5.*

9:00 Li Zhu, Ph.D.*, National Cancer Institute; Zaria Tatalovich, Ph.D., National Cancer Institute, *Trans-NIH Program on Spatial Uncertainty: Four Years of Funding.*

9:20 Zaria Tatalovich*, National Cancer Institute; David Stinchcomb, Westat; Jeremy Lyman, Information Management Services; Cucinelli James, Information Management Services, *NCI Geo-platform for Cancer Research and Cancer Control.*

3169. Socioeconomic status and urban health I (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Kirsten M. M. Beyer, Medical College of Wisconsin

8:00 Kirsten M. M. Beyer, PhD, MPH, MS*, Medical College of Wisconsin; Ann B. Nattinger, MD, MPH, Medical College of Wisconsin, *Time Spent Outdoors and Mental Health in a National Sample of US Adults: NHANES 2009-2012.*

8:20 Douglas Knutson, M.Ed.*, Oklahoma State University; K. Colton Flynn, M.A., Oklahoma State University; Julie M. Koch, Ph.D., Oklahoma State University, *Geographic distributions of drag performers relative to urban centers: Possible implications for health.*

8:40 Eduardo Piqueiras*, Wayne State University, *Using Spatial Statistics to Examine Xenophobic Violence on Resettled Asylum Seekers in Europe..*

9:00 Gwilym Owen*, University of Bristol; Kelyvn Jones, University of Bristol; Richard Harris, University of Bristol, *Comparing the socioeconomic and geographical patterning of two obesity indicators.*

9:20 Elizabeth Gayle Armstrong*, Oklahoma State University, *Affordable Care Act: Political Representations of the Under-Insured by Oklahoma Legislators.*

3170. Maternal health and childbirth (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Shiyan Zhang, George Washington University

8:00 Karen D. Johnson-Webb, Ph.D.*, Bowling Green State

University, *2234 Dead in Ohio: Black Infant Mortality, 2007 - 2012.*

8:20 Tonny Oyana*, University of Tennessee -Memphis, *Exploring low birth weight exposome in the Contiguous United States using spatiotemporal models.*

8:40 Melissa Y. Rock, PhD*, SUNY @ New Paltz (NY), *To C-section, Or Not To C-section: The causes and consequences of China's rising rate of C-Section birth.*

9:00 Rhoda Mundi, Prof.*, University of Abuja, Nigeria; Stephen Yohanna, Dr., Bingham University, Karu, Nigeria, *Dying While Giving Life: Challenges of Safe Motherhood in North Central Nigeria.*

9:20 Shiyan Zhang*, George Washington University; Qi Yang, George Washington University, *The Relationship Between Geographic Environment and Newborn Defects in Hainan Province, China.*

3171. Author Meets Critics: Rachel Weber's 'From Boom to Bubble: How Finance Built the New Chicago.'

Room: Golden Gate Room, Hotel Nikko, 25th Floor (Panel Session)

ORGANIZER(S): Philip Ashton, University of Illinois-Chicago

CHAIR(S): Philip Ashton, University of Illinois-Chicago

Discussant(s): Rachel Weber, University of Illinois At Chicago

Panelists: Winifred Curran, DePaul University; David F.

Ley, University of British Columbia; Kevin Ward,

University of Manchester; Anne Haila, University

of Helsinki; Ludovic Halbert; Andy Pike, Newcastle

University

3172. Geographies of young children

Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Louise Holt, Loughborough University; Stuart

C. Aitken, San Diego State University

CHAIR(S): Stuart C. Aitken, San Diego State University

8:00 Lesley Anne Gallacher*, Northumbria University, *Mapping the infant body? Geographical metaphors of growth and change.*

8:20 Rachel Rosen*, UCL, *Spatializing 'generation': The making of adult-child relations in neoliberal early childhood settings.*

8:40 Zsuzsa Millei, Dr*, University of Tampere; Robert Imre, Dr, University of Tampere, *Down the Toilet: Spatial Politics and Young Children's Participation.*

9:00 Louise Holt, PhD*, Loughborough University, *Food, feeding and the everyday material geographies of infants-parents-carers-others.*

9:20 Sabine Bollig*, University of Luxembourg, *Diverse places, unequal spaces? A spatial approach to children's enacted day care childhoods.*

3173. Global Urban Observation (VI): Urban Health and Well-Being 1 (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Health and Medical Geography Specialty Group)

Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Hua Liu, Old Dominion University; Qihao Weng, Indiana State University

CHAIR(S): Danlin Yu, Montclair State University

8:00 Qingqing HE*, Geography and Resource Management, The Chinese University of Hong Kong; Bo Huang, Geography and Resource Management, The Chinese University of Hong Kong, *Statistical analysis of aerosol optical depth over China during 2002 to 2015: the spatial-temporal variation and potential impact factors.*

8:20 Zoe Hamstead*, New School University; Carson Farmer, PhD, University of Colorado Boulder; Timon McPhearson, PhD, The New School, *Using remote sensing and social data to link heat exposure and susceptibility in New York City.*

8:40 Bruce Z. Yang*, The University of Hong Kong; Becky P. Y. Loo, The University of Hong Kong, *Different*

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- Approaches in Detecting Hazardous Road Locations: Land Use and Road Safety.*
- 9:00** Angelina Hanson*, UW-Madison, GIS Certificate Program, *Mapping Flood Risk in the Upper Fox River Basin: Vulnerable Populations and Adverse Health Effects.*
- 9:20** Danlin Yu*, Montclair State University, *Study of Urban Public Safety via Microgeographic units - a case of Urumqi, Xinjiang, China.*
- 3174. Authors versus Critics: On the event of the publication of Johnston R J and Sidaway J Geography and Geographers: Anglo American Human Geography since 1945.**
Room: Bellevue Room, Marker Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Mark Boyle, National University of Ireland Maynooth
 CHAIR(S): Mark Boyle, National University of Ireland Maynooth
 Introducer: Mark Boyle
 Discussant(s): Jeremy Crampton, University of Kentucky; James Sidaway, National University of Singapore
 Panelists: Kim England, University of Washington; Matthew Farish, University of Toronto; Guy Baeten; Mary Gilmartin, Maynooth University; M. S. DeVivo
- 3175. Towards a Political-Industrial Ecology I: Methods (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Jennifer Baka, London School of Economics; Joshua Cousins, University of Michigan; Joshua P. Newell, University of Michigan
 CHAIR(S): Jennifer Baka, London School of Economics
8:00 Jennifer Baka*, London School of Economics, *Political-Industrial Ecology: Landscapes, Metabolisms and Livelihoods.*
8:20 Hanna Breetz, PhD*, Arizona State University, *Politicizing Industrial Ecology: Lessons from Biofuel Regulations.*
8:40 Ruth Lane*, Monash University, *Material flow analysis as calculative practice: Can Material Flow Analysis influence the pathways of used electronics towards reuse or recycling?.*
9:00 Joshua P. Newell*, University of Michigan, *Methodological Approaches in Political-Industrial Ecology.*
9:20 Burak Guneralp*, Texas A&M University; Karen C Seto, Yale School of Forestry and Environmental Studies; Mahesh Ramachandran, Cape Cod Commission, *Four Manifestations of Urban Land Teleconnections.*
- 3176. The Politics of Celebrity Humanitarianism, Advocacy and International Development I: Authors meet Critics (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**
Room: Paris South, Marker Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Mary Mostafanezhad, University of Hawai'i at Manoa; Mette Fog Olwig, Roskilde University; Lisa Ann Richey, Roskilde University
 CHAIR(S): Mette Fog Olwig, Roskilde University
 Panelists: Lisa Ann Richey, Roskilde University; Dan Brockington, University of Manchester; James Igoe, Dartmouth College; Ilan Kapoor; Mark Wheeler; Alex De Waal, World Peace Foundation
- 3177. Labour Geography and the Question of Advocacy: Challenging Precarity in Place-Specific Industries**
Room: Athens North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Sean Patterson, Queen's University; Peter M. Brogan, York University
 CHAIR(S): Sean Patterson, Queen's University
8:00 Steven Tufts*, York University, *Working with unions and the challenge of 'elite voice': Some methodological considerations for tourism research and labor geography.*
- 8:20** Sean Patterson*, Queen's University, *Advocating for immigrant workers in the GTHA's cleaning industry.*
- 8:40** Suzanne Mills*, McMaster University, *Organizing in place and over space: multi-scalar tensions in union strategies..*
- 9:00** Peter M. Brogan*, York University, *Understanding the New Urban Apartheid in Urban America: Social Reproduction, Social Containment and Spatial Justice Unionism.*
- 3178. Hazards Risks and Disasters 6: Geophysical Hazards (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Eric Tate, University of Iowa; Tim G. Frazier, University of Idaho
 CHAIR(S): Eric Tate, University of Iowa
8:00 Bibriven Reni Lila*, Texas State University - San Marcos, A *Landslide Hazard Risk and Susceptibility Model using a Probability Distribution Function in association with Fuzzy Multi-Criteria Analysis for Ventura and Santa Barbara Counties in Southern California.*
8:20 Yazidhi Bamutaze*, Makerere University, *Geo-characterization of landslide hazards in the highlands of South Western Uganda.*
8:40 Saeideh Gharehchahi*, Texas State University - San Marcos, A *Conceptual Model of Geomorphological Hazards Case Study: Kan Basin-Tehran.*
9:00 Adolfo Quesada*, National University Of Costa Rica, *Geomorphological hazards mapping in Costa Rica: a case of study..*
9:20 Shannon Grumbly*, Binghamton University; Tim Frazier, PhD, Binghamton University, *Visualization of Mitigation Impacts for Near-Field Tsunami Evacuation Potential: A Case Study of Aberdeen, Washington.*
- 3179. PLACE Attachment Research I (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Jeffrey S. Smith, Kansas State University
 CHAIR(S): Jeffrey S. Smith, Kansas State University
8:00 Jeffrey S. Smith*, Kansas State University, *Putting PLACE Back in Place Attachment Research: An Introduction.*
8:20 Douglas A. Hurt*, University of Missouri, *Baseball Stadiums and Urban Reimaging in St. Louis: Shaping Place and Placelessness.*
8:40 Geoffrey L. Buckley*, Ohio University, *Rethinking Fountainbridge: Honoring the Past and Greening the Future.*
9:00 Michael Strong*, University of Maryland - College Park, *To resettle or not resettle: The intersection of place attachment and place aspirations.*
9:20 Steven Schnell*, Kutztown University, *Place Attachment and the Immigrant Experience in Graphic Novels and Comics.*
- 3180. Creative Destruction?: Creative Methods in Contexts of Conflict and Crisis (Sponsored by Political Geography Specialty Group, Qualitative Research Specialty Group, Cultural Geography Specialty Group)**
Room: Vienna South, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): David Jones Marshall, Durham University; Lynn Staeheli
 CHAIR(S): David Jones Marshall, Durham University
 Introducer: David Jones Marshall
 Discussant(s): Lynn Staeheli
 Panelists: Sophie Oldfield, University of Cape Town; Jennifer Jean Bagelman, University of British Columbia; Sarah Hughes, University of Durham; Lauren Wagner,

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Maastricht University; Noam Leshem, Department of Geography, Durham University

3181. Quantitative methods and interpretations in paleoecology 1 (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Thomas Minckley, University of Wyoming; Simon Brewer, University of Utah

CHAIR(S): Thomas Minckley, University of Wyoming

8:00 Andrea Brunelle*, University Of Utah, *Getting creative with pollen data.*

8:20 Jesse L. Morris*, University of Utah; Philip E. Higuera, University of Montana; Simon G Haberle, Australian National University, *Modern pollen from small hollows reflects Athrotaxis cupressoides density across a wildfire gradient in subalpine forests of Central Plateau, Tasmania, Australia.*

8:40 Jacqueline J. Shinker*, University of Wyoming; Vachel Carter, University of Utah, *Using Modern Climate Analogs to Understand Past Drought and Vegetation Change.*

9:00 Simon C Brewer, PhD*, University of Utah; Thomas Giesecke, PhD, Albrecht-von-Haller-Institute for Plant Sciences, University of Göttingen; Thomas Minckley, PhD, Department of Geography, *Estimating long-term functional diversity from pollen data and plant traits.*

9:20 Thomas Minckley*, University of Wyoming; Simon Brewer, University of Utah, *Life Death and the Turnover of Ecosystems.*

3182. Innovative geospatial modeling tools and frameworks in monitoring surface water quantity and quality (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group, Water Resources Specialty Group)

Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Cyril Wilson, University of Wisconsin-Eau Claire; Bingqing Liang, University of Northern Iowa

CHAIR(S): Cyril Wilson, University of Wisconsin-Eau Claire

8:00 Liang Yang*, University of Hamburg; Faith KaShun Chan, The University of Nottingham, Ningbo Campus, China; Jürgen Scheffran, University of Hamburg, Germany, *Climate change, water management and allocation in the Dongjiang River Basin in Southern China.*

8:20 John Radke*, UC Berkeley; Tessa E Beach, UC Berkeley; Yang Ju, UC Berkeley; Amna Alruheili, UC Berkeley, *Mapping The Vulnerability Of Wastewater Treatment Facilities Due To Sea Level Rise And Extreme Storms.*

8:40 Christiana Ndidid Egbinola*, University of Ibadan; Christiana Ndidid Egbinola, Mrs, University of Ibadan, *Modelling the Impacts of Climate and Land-use Change on Water Resources in River Kaduna Drainage Basin, Nigeria.*

9:00 Ioannis Kamarinas*, Department of Geography, Texas State University; Jason P. Julian, Department of Geography, Texas State University; Braden Owsley, Department of Geography and Environmental Sustainability, University of Oklahoma; Kirsten de Beurs, Department of Geography and Environmental Sustainability, University of Oklahoma, *Using multi-resolution data to understand how land cover changes affect sediment runoff to rivers across multiple scales.*

9:20 Cyril O Wilson*, University of Wisconsin-Eau Claire, *Surface water quality modeling of a metropolitan catchment using high density filtered LiDAR and optically derived land use information.*

3183. Papers in Honor of Michael Watts I

Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Rod Neumann, Florida International University

CHAIR(S): Rod Neumann, Florida International University

8:00 Jake Kosek*, UC Berkeley, *Aggregate Modernities: A*

Critical Natural History of Contemporary Algorithms.

8:20 Sharad Chari*, University of the Witwatersrand, *The Photobook and the Art of Geographical Critique.*

8:40 Rebecca Lave*, Indiana University, *Getting back to our roots: Integrating critical physical and social science in the early work of Michael Watts.*

9:00 Lucy Jarosz*, University of Washington, *Binary Narratives of Hunger and Climate Change: Dangers and Possibilities.*

Discussant(s): Richard A. Schroeder, Rutgers University

3184. Drugs, alcohol, and other psychoactive substances: Critical geographies of addiction, treatment and recovery (Sponsored by Health and Medical Geography Specialty Group, Disability Specialty Group)

Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Robert D. Wilton, McMaster University; Julia Mills, University of Manchester

CHAIR(S): Robert D. Wilton, McMaster University

8:00 Jesse Proudfoot*, University of Durham, *The addict and his others: the place of the social in compulsive drug use.*

8:20 Paul J. Gruenewald, PhD*, Prevention Research Center; William R. Ponicki, M.S., Prevention Research Center; Andrew Gaidus, M.S., Prevention Research Center; Juliet Lee, Ph.D., Prevention Research Center, *Examining the Economic Geography of Alcohol Problems Across the Urban/Rural Divide.*

8:40 James Kneale, Dr*, Department of Geography, University College London, *Other spaces of addiction science: British and American life assurance offices, 1828-1926.*

Discussant(s): Michael Brown, University of Washington

3185. Emerging Issues in the Governance of Ocean Spaces I: Space and Territory (Sponsored by Coastal and Marine Specialty Group)

Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Katherine Seto; Nathan Bennett, University of British Columbia/University of Washington

CHAIR(S): Katherine Seto

8:00 Katherine Seto*, University of California at Berkeley, *Governing the ungovernable: Exclusion zones, institutions, and conflict at sea.*

8:20 Noëlle Boucquey, Ph.D.*, Eckerd College; Lisa Campbell, Ph.D., Duke University; Luke Fairbanks, Ph.D., Duke University; Kevin St. Martin, Ph.D., Rutgers University, *Performing Particular Seaspaces: How are regional ocean data portals imagining ocean spaces?.*

8:40 Paul Foley, PhD*, Memorial University of Newfoundland; Charles Mather, PhD, Memorial University of Newfoundland, *Contested territorialities of ocean resource development: Political ecologies of a Northwest Atlantic Ocean shellfish.*

9:00 Catherine King*, NYU, *Reconfiguring Scales in the New England Fishery.*

9:20 Dylan Beatty*, *Conjuring Kalayaan: Mapping "Edit Wars" and Territoriality of the Philippines.*

3186. Classification Methods and Accuracy Assessment in Land Cover Mapping (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Shiguo Jiang, SUNY - Albany; Guofeng Cao, Texas Tech University; Xiaolin Zhu, University of California - Davis

CHAIR(S): Guofeng Cao, Texas Tech University

8:00 Reza Khatami*, Department of Environmental Resources Engineering, State University of New York, College of Environmental Science and Forestry, 1 Forestry Drive, Syracuse, NY 13210, United States; Giorgos Mountrakis, Department of Environmental Resources Engineering, State University of New York, College

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of Environmental Science and Forestry, 1 Forestry Drive, Syracuse, NY 13210, United States; Stephen V. Stehman, Department of Forest and Natural Resources Management, State University of New York, College of Environmental Science and Forestry, 1 Forestry Drive, Syracuse, NY 13210, United States, *A meta-analysis of remote sensing research on land-cover image classification processes: A guide for practitioners and directions for future research.*

- 8:20** Xin Hong*, Ohio University, *Exploring the Influence of Urban Land Use and Land Cover Change on Land Surface Temperature Using Remote Sensing: A Case Study of Cuyahoga County, Ohio.*
- 8:40** Xi Li*, The University of Toledo; Kevin Czajkowski, University of Toledo, *Use of LiDAR in Object-based Classification to Characterize Brownfields for Green Space Conversion in Toledo.*
- 9:00** Philipp Nagel, Sibley County Public Works, 111 8th St, PO Box 897, Gaylord, MN 55334; Fei Yuan*, Minnesota State University, Mankato, *Comparing Object-based and Decision Tree methods for Land Cover Feature Extraction from NAIP Imagery.*
- 9:20** Guofeng Cao*, Texas Tech University, *Representing Spatial Uncertainty in Metric Space.*

3187. Campus carbon reduction: what are our strategies, obstacles, and solutions? (Sponsored by Energy and Environment Specialty Group)

Room: Salon II, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Mary Ann Cunningham, Vassar College; J Anthony Abbott, Stetson University
 CHAIR(S): Mark D. Bjelland, Calvin College
 Panelists: Mark D. Bjelland, Calvin College; John Sakulich, Regis University; Daniel Trudeau, Macalester College; J Anthony Abbott, Stetson University; Rebecca L. Powell, University Of Denver; Tyce Herrman, University of Oregon; Mary Ann Cunningham, Vassar College

3188. Segregation, gentrification, stigmatization - sociospatial effects in neighborhood development

Room: Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Raimund Kemper, University of Applied Sciences Rapperswil; James P. Freeman, Concordia University
 CHAIR(S): James P. Freeman, Concordia University
8:00 Antònia Casellas*, Universitat Autònoma de Barcelona; Grant Saff*, Hofstra University, *Design and daily life in contested public spaces of downtown Barcelona.*
8:20 Amiram Gonen*, Non-Member, *Asymmetry of Culturally Contested Urban Spaces in Israel: Ultraorthodox versus the Non-Orthodox Jews.*
8:40 Matthew Adair*, The Ohio State University, *Impact of Gentrification on Land Use and the Built Environment in a Historic Urban Neighborhood.*
9:00 Pedro Costa*, ISCTE-IUL - University Institute of Lisbon / DINAMIA'CET; Paulo Pires, *Between the ghetto and gaytrification: specificities of GLBT neighborhoods in Southern Europe.*
9:20 James P. Freeman*, Concordia University, *Let them eat Sushi: Opportunity and exclusion in a gentrifying favela of Rio de Janeiro.*

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Poster Sessions for Thursday are located on pages 236-242.

- 3202. The Jan Monk Distinguished Lecture: Irreconcilable Differences? A feminist postcolonial reading of gender, development and Human Rights in Latin America (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Peter E. Hopkins, Newcastle University; Lynda Johnston, University of Waikato; Pamela Moss, University of Victoria
 CHAIR(S): Peter E. Hopkins, Newcastle University
 Introducer: Peter E. Hopkins
 Introducer: Avril Maddrell
 Introducer: Lynda Johnston
 Introducer: Pamela Moss
 Introducer: Stephanie Buechler
 10:25 Sharlene L. Mollett, University of Toronto
- 3203. Bringing GeoCapabilities to Geography in Higher Education (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Michael N. Solem, American Association of Geographers; Karl Donert, European Association of Geographers
 CHAIR(S): Karl Donert, European Association of Geographers
 Introducer: Karl Donert
- 3204. Accessing Public Space 2: Diverse Spaces and Practices (Sponsored by Urban Geography Specialty Group)**
Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Roza Tchoukaleyska; Theresa Enright, University of Toronto; Kristin Reichborn-Kjennerud, The Oslo and Akershus University College of Applied Sciences
 CHAIR(S): Theresa Enright, University of Toronto
 10:00 Kimberley Kinder*, University of Michigan, *Making Spaces Public: Identity, community, and public engagement in Arab-American Detroit.*
 10:20 Anne Ranek*, University of Arizona - The School of Geography and Development, *Parallel society? Everyday spatial practice among young Muslim youth in Denmark.*
 10:40 Lia Frederiksen*, University of Toronto, *Public Spaces for the Provision of Knowledge.*
 11:00 Franz Buhr*, University of Lisbon, Portugal, *Using the city. Migrant spatial integration as urban praxis.*
 11:20 Myriam Houssay-Holzschuch*, University Grenoble Alpes; Claske Dijkema, Université Grenoble Alpes, *Creating space for peace after violence in two marginalized neighbourhoods in Grenoble, France.*
- 3205. Economic Geography X - Peripheral Regions and Actors: Questioning Urban Dominance (Sponsored by Economic Geography Specialty Group)**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; David L. Rigby, UCLA; Jennifer Clark, Georgia Institute of Technology
 CHAIR(S): Jennifer Clark, Georgia Institute of Technology
 10:00 Jonathan Borggren*, Department of Geography and Economic History, Umeå University; Rikard H Eriksson, Department of Geography and Economic History, Umeå University; Urban Lindgren, Department of Geography and Economic History, Umeå University, *Gazelles in forests or forests in gazelles? - Exploring the effects of forest ownership on rural high-impact firms long-term performance..*
 10:20 Raphael Suire*, University of Rennes 1, *FabLab as a knowledge platform: evidence from European data.*
- 10:40 Rune Dahl Fitjar*, University of Stavanger; Andrés Rodríguez-Pose, London School of Economics, *Where Cities Fail to Triumph: The Impact of Urban Location and Local Collaboration on Innovation in Norway.*
 11:00 Richard Shearmur*, McGill University, *Making Sense of Innovation in Peripheral Regions.*
 Discussant(s): Päivi Oinas, University of Turku, Turku School of Economics
- 3206. Why Does Everyone Think Cities Can Save the Planet? 2. Grey Urban Natures and the Promise of 'Smart' Technology (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Wachsmuth, New York University; Hillary Angelo, University of California Santa Cruz
 CHAIR(S): Hillary Angelo, University of California Santa Cruz
 10:00 Anthony Levenda*, Portland State University, *A Smart City Dispositif: Urban Energy Governance in the Smart City.*
 10:20 Andres Luque-Ayala*, Durham University, UK; Simon Marvin, University of Sheffield, UK, *Urban atmospheric control: Nowcasting and the modulation of infrastructure.*
 10:40 Pushpa Arabindoo*, University College London, *Smart cities, renewable energy and the not so smart 'urban'.*
 11:00 Kian Goh, RA, PhD*, Northeastern University, *Making Room for Water? Contested Visions of Urban Adaptation and Development.*
 11:20 Aida Nciri, PhD Candidate*, University of Calgary, *Ambiguities in the Sustainability and Growth Politics of Alberta's Cities: District Heating, Scalar Politics, and Carbon Flows.*
- 3207. Polar Issues II: Arctic Urban Sustainability (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Emily Francis, University of Northern Iowa; Kelsey Nyland, Michigan State Univ.
 CHAIR(S): Timothy Edmund Heleniak, Nordregio - The Nordic Centre for Spatial Development
 10:00 Andrey N. Petrov*, University of Northern Iowa, *Sustainable Development in the Arctic: Towards interregional synthesis.*
 10:20 Aileen Aseron Espiritu, PhD*, The Barents Institute at The University of Tromsø The Arctic Univ. of Norway, *Urbanization towards sustainability in the Arctic?.*
 10:40 Jukka Teräs, NORDREGIO; Trond Nilsen*, Northern Research Institute Norway, *Renewing regional development in the Arctic through the introduction of Smart Specialization?.*
 11:00 Kelsey E. Nyland*, Michigan State University; Valery I. Grebenets, Moscow State University; Nikolay I. Shiklomanov, The George Washington University, *Igarka Vanishes: The case of the Disappearing Monotowns in the Russian Arctic.*
 Discussant(s): Timothy Edmund Heleniak, Nordregio - The Nordic Centre for Spatial Development
- 3208. Beyond Neoliberal Natures -- The Reworking of Payments for Ecosystem Services (PES) on the Ground 2: Agency and Authority (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Pamela D. McElwee, Rutgers; Gert Themba Van Hecken, Institute of Development Policy and Management (IOB); Bernard Huber, McGill University
 CHAIR(S): Pamela D. McElwee, Rutgers

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- 10:00** Michael B. Dwyer, PhD*, University of Berne, Switzerland; Geographisches Institut; Micah Ingalls, Cornell University, *REDD after Paris: Using recent project efforts to read possible futures.*
- 10:20** Jonathan Otto*, Miami University, *Agency in Carbon Forestry: Assessing the Carbon Credit Commodity Chain and the Carbon Credit Production Process in Southern Mexico.*
- 10:40** Albert A. Arhin*, University of Cambridge, *From state-centric steering to multi-stakeholder steering? An Analysis of Agency and Power Dynamics in the Multi-Stakeholder Implementation Of REDD+ in Ghana.*
- 11:00** Sébastien Costedoat*, Universitat Autònoma de Barcelona; Esteve Corbera, Universitat Autònoma de Barcelona; Driss Ezzine-de-Blas, CIRAD, *What is the role of technical intermediaries in Payments for Ecosystem Services programs in Chiapas, Mexico?.*
Discussant(s): Kathleen McAfee, San Francisco State University
- 3209. The AAG-Esri GeoMentors Program: Increasing GIS and Geography in K-12 Education - Featured Session**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
Organizer and Chair: **Candice Luebbering**, American Association of Geographers
Welcome and Overview: **Douglas Richardson**, American Association of Geographers
Speaker: **Candice Luebbering**, American Association of Geographers, "Building the AAG - Esri GeoMentors Network"
Panelists:
Sarah Witham Bednarz, AAG President, Texas A&M University
David DiBiase, Esri
Joseph J. Kerski, Esri
Jack Dangermond, Esri
- 3210. Understanding OpenStreetMap: Current-, Historical-, and Meta-Data Analysis**
Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Alan McConchie, University of British Columbia / Stamen Design; Indy Hurt, Mapzen; Jennings Anderson, University of Colorado
CHAIR(S): Alan McConchie, University of British Columbia / Stamen Design
10:00 Sterling Quinn*, The Pennsylvania State University, *Revealing the crowd behind OpenStreetMap using geovisual analytics.*
10:20 Indy Hurt, Ph.D.*, *A Review of OpenStreetMap Data Analysis, Incorporating Historical Edits.*
10:40 Jennings Anderson*, University of Colorado; Robert Soden, University of Colorado Boulder; Kenneth Anderson, University of Colorado Boulder; Marina Kogan, University of Colorado Boulder; Leysia Palen, University of Colorado Boulder, *A Real Need for Real-Time OpenStreetMap Analytics.*
11:00 Alan McConchie*, University of British Columbia / Stamen Design, *OpenStreetMap past(s), OpenStreetMap future(s).*
Discussant(s): Patricia A. Solís, Texas Tech University
- 3211. The economy of cities: 12 Rethinking cities**
Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): John Miron, University of Toronto
CHAIR(S): Pierre Desrochers, University of Toronto - Geography
10:00 Raquel Garcia Gonçalves*, Universidade Federal de Minas Gerais; Ricardo Viana Carvalho de Paiva, Centro Universitário Una; Karina Machado de Castro Simão, Universidade Federal de Minas Gerais; Viviane Silva Ramos, Universidade Federal de Minas Gerais, *About Urban Conflicts, Territories And Power: The Dispute By Uncertainty.*
10:20 Przemyslaw Lonszyn*, University of Szczecin, *Big Five theory as a new possibility for the urban geography.*
- 10:40** Wei Xu*, University Of Lethbridge, *A theory of Social-spatial justice of urban renewal and redevelopment.*
- 11:00** Eric Peterson*, UC Berkeley, *Planning for Capital.*
- 11:20** Pierre Desrochers*, University of Toronto - Geography, *Jane Jacobs as Spontaneous Economic Order Methodologist: Induction, Complexity and Inconsistencies..*
- 3212. Author Meet Critics: Eliot Tretter--Shadows of a Sunbelt City The Environment, Racism, and the Knowledge Economy in Austin (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Nik Heynen, University of Georgia
CHAIR(S): Nik Heynen, University of Georgia
Discussant(s): Alex Loftus, King's College London; Eliot Tretter, University of Calgary
Panelists: Ipsita Chatterjee, University of North Texas; Roger Keil, York University; Rachel Brahinsky, University of San Francisco
- 3213. Speed-Dating with an NSF Program Officer (Opportunity 2 or 3) (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Thomas J. Baerwald, National Science Foundation
CHAIR(S): Thomas J. Baerwald, National Science Foundation
Discussant(s): Holly M. Hapke, National Science Foundation; Sunil Narumalani, National Science Foundation; Thomas J. Baerwald, National Science Foundation
- 3216. Symposium on Physical Geography: Challenges of the "Anthropocene" IV: Couplings and Societal Responses to Human-Induced Environmental Change (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Historical Geography Specialty Group, Water Resources Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme)**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Anne Chin, University of Colorado Denver; Megan McCusker Hill, University of Connecticut; William D. Solecki, Hunter College
CHAIR(S): Megan McCusker Hill, University of Connecticut
Introducer: William D. Solecki
10:00 Simon Goring*, University of Wisconsin - Madison - Madison, WI; Sam E Munoz, Woods Hole Oceanographic Institute, *The Anthropocene as a boundary and a lens in eastern North America.*
10:20 Sonali Shukla McDermid, Ph.D.*, New York University, *Exploring Interactions between Agricultural Production and Regional Climate Processes.*
10:40 Susanne C. Moser, Ph.D.*, Susanne Moser Research & Consulting; Carol L. Berzonsky, Pacifica Graduate Institute, *Becoming homo sapiens sapiens: Cultural transformation in the Anthropocene.*
Discussant(s): Diana M. Liverman, University of Arizona
- 3218. Post-War Geographies of Sri Lanka, Session 2**
Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Pat Farrell, University of Minnesota
CHAIR(S): Pat Farrell, University of Minnesota
10:00 Geethika Waniganeththi*, University of Kelaniya, *Impact of Humanitarian Mine Clearance for Socioeconomic Development in Conflict Affected Areas in Sri Lanka; The case of Kilinochchi District.*
10:20 Sujani Rosmika Lakmal Sрни Rathasekara*, University of Kelaniya, *Post-War Melioidosis Disease in War-torn areas of Sri Lanka: Case studies in North and North Central Provinces.*

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10:40 Saseeka Sumudu Wijesekera*, University of Kelaniya; Nishan Priyantha Sakalasooriya, University of Kelaniya, *Exploring increased salinity on paddy cultivation in the Kokkilai Lagoon region.*

11:00 Uragoda Chandrasena*, University of Kelaniya, *Geo-diversity and Complementary Regional Development of Sri Lanka.*

Discussant(s): Pat Farrell, University of Minnesota

3219. Social Innovation and Entrepreneurship: Information and Communication Technologies for Development (ICT4D) meets Economic (Sponsored by Asian Geography Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Yuko Aoyama, Clark University; Balaji Parthasarathy, International Institute of Information Technology

CHAIR(S): Yuko Aoyama, Clark University

10:00 Balaji Parthasarathy*, International Institute of Information Technology, *The Hybrid Domain and ICTs: New Institutional and Technological means to Innovation in Emerging Markets.*

10:20 Janaki Srinivasan*, Int'l Institute of Information Technology, *Intermediaries as innovators.*

10:40 Joyojeet Pal*, University of Michigan, *The Accessibility Infrastructure: An approach to digital accessibility resources in the Global South.*

11:00 James R. Keese*, California Poly State University, *Factors that Contribute to the Sustained Use of Improved Cookstoves in Cuzco, Peru.*

Discussant(s): Anna Lee Saxenian, University of California - Berkeley

3220. Borders and Sovereignty II (Sponsored by Political Geography Specialty Group)

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Md Azmeary Ferdoush, University of Hawaii - Manoa; Reece Jones, University of Hawaii at Manoa

CHAIR(S): Md Azmeary Ferdoush, University of Hawaii - Manoa

10:00 Dustin Tsai*, UC Davis Geography Graduate Group, *Sovereignty and national identity in Somaliland: Assessing social, economic, and political livelihood in a contemporary de facto state.*

10:20 Melissa Kelly*, University of the Free State and Carleton University, *Basotho Narratives: Migrant Perspectives on the Lesotho-South Africa Border.*

10:40 Kimberley Peters*, University of Liverpool, *Borders and bottlenecks: contested territory and the governance maritime gateways.*

11:00 Edward Boyle*, Kyushu University, *Scaling the Nation's Edge: Territorial borders under globalization.*

Discussant(s): Margath A. Walker, University of Louisville

3221. Exploring Urbanization (Sponsored by Urban Geography Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Alex Schafran, University of Leeds; Teresa Caldeira, University of California, Berkeley

CHAIR(S): Teresa Caldeira, University of California, Berkeley

Discussant(s): Teresa Caldeira, University of California, Berkeley

Panelists: Ricardo Cardoso, University of Porto; AbdouMaliq Simone; Alex Schafran, University of Leeds; Hiba Bou Akar, Harvard University

3222. Spatiotemporal Symposium: Cross Disciplinary Spatiotemporal Dialogues (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Health and Medical Geography Specialty Group)

Room: Franciscan C, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Min Sun, George Mason University; Stephen Costello Lowe, George Mason University; Keith C. Clarke, University Of California, Santa Barbara

CHAIR(S): Chaowei Yang, George Mason University

Discussant(s): Stephen Costello Lowe, George Mason University; Werner Kuhn, UCSB; Weihe Wendy Guan, Harvard University

Panelists: Li Zhu, National Cancer Institute

3223. Technology in Geography Education

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Geography Education

CHAIR(S): Gabriel L. Judkins, University of Nevada Las Vegas

10:00 Ivy Tan, Associate Professor*, Nanyang Technological University, *A comparative study of factors that encourage and discourage the use of GIS in teaching geography.*

10:20 Osvaldo A. Muniz*, Texas State University; Lianfei Jiang*, East China Normal University, *The Shanghai Model for Online Geography Education.*

10:40 Stefanie Zecha*, Catholic University of Eichstätt, *Location based learning: the role of motivation in the field of geocaching.*

11:00 Young-Hoon Kim*, Korea National University Of Education; Jeong Hwan Park, Korea National University of Education; Jung Eun Hong, University of West Georgia, *Marker based Augmented Reality Applications for Geographical learning.*

11:20 Gabriel L. Judkins*, University of Nevada Las Vegas, *An Augmented Reality Sandbox Approach to Teaching Topographic Maps.*

*** Continued into next slot, 3623

3224. Society and Space Plenary Lecture: Saba Mahmood, "Secularism, Sovereignty, and Religious Difference: A Global Genealogy?"

Room: Imperial A, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Natalie Oswin, McGill University; Alex Vasudevan

CHAIR(S): Natalie Oswin, McGill University

Panelists: Saba Mahmood, University of California - Berkeley

3225. Frontiers in ecosystem services research: social and institutional dynamics in Asia (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Brian E. Robinson, McGill University

CHAIR(S): Brian E. Robinson, McGill University

10:00 Qunshan Zhao*, Arizona State University; Elizabeth A.

Wentz, Arizona State University; Scott T. Yabiku,

Arizona State University; Sharon J. Hall, Arizona

State University; Jennifer E. Glick, Arizona State

University; Jie Dai, San Diego State University, *Socio-*

ecological Factors Influence to Invasive Plant Species

Distribution in Community Forests Ecosystems in

Subtropical Nepal.

10:20 Sai Ma*, China University of Geosciences & McGill

University; Brian E. Robinson, Assistant Professor,

McGill University; Jiangfeng Li, Professor, China

University of Geosciences, *Feedbacks between*

population and land use benefits: A case study in

Miyun reservoir watershed.

10:40 Xiaoxu Hu*, Jian Peng, *Ecosystem services' recognition*

and their relationships with residents' well-being: A

case study in mountain areas of Northwestern Yunnan,

China.

11:00 Timothy Gorman*, Cornell University, *The Art of Not*

Being Freshened: Resistance to Salinity Control

Infrastructure in Vietnam's Mekong Delta.

Discussant(s): Kun Zhang

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- 3226. Continuing Conversations: Strategies for the Promotion of Positive Mental Health in the Academy. (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geographic Perspectives on Women Specialty Group, AAG Jobs and Careers Theme, Graduate Student Affinity Group, Disability Specialty Group)**
Room: Yosemite A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Linda Peake, York University
 CHAIR(S): Beverley Mullings, Queen's University
 Introducer: Beverley Mullings
10:00 Chris McMorran*, National University of Singapore, *The Contested Value(s) of Higher Education*.
10:20 Corey McAuliffe*, University of Toronto, *The Experience and Process of Trauma due to Global Health Fieldwork*.
10:40 Vandana Wadhwa, Ph.D., Boston University; Deborah S. Metzel, PH.D.*, University of Massachusetts - Boston, *Tackling Inequities: Making the Case for Contingent Faculty and their Mental Health*.
11:00 David Conradson*, University of Canterbury, *Promoting Mental Health in the Academy: Exploring the Place of Collective Dialogue*.
11:20 Lawrence D. Berg*, University of British Columbia; Edward H Huijbens, University of Akureyri; Henrik Gutzon Larsen, Lund University, *Producing Anxiety in the Neoliberal University*.
- 3227. Career Mentoring C (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Mark Revell, American Association of Geographers
 Discussant(s): Jung Eun Hong, University of West Georgia; Matthew H. Connolly, University of Central Arkansas; Paul N. McDaniel, Kennesaw State University; Kerry Lyste, Everett Community College; Denise Blanchard, Texas State University; Wei Li, Arizona State University; Katsuhiko Oda, University of Southern California; Lucy Stanfield, US Environmental Protection Agency; Daniel McGlone, Azavea; Amanda Keremar; Heather R. Houlton, American Geosciences Institute; Melvin Arthur Johnson, University of Wisconsin-Manitowoc; Jimmy Dao, City of Brea
- 3228. BGSF Career Achievement Award: A Conversation with Ken Smith (Sponsored by Business Geography Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Murray Rice, University of North Texas; Linda A. Peters, Esri; Tony Hernandez, Ryerson Polytechnic University
 CHAIR(S): Murray Rice, University of North Texas
 Introducer: Murray Rice
10:10 Kenard E. Smith, The May Dept. Stores Co.
 Panelists: Tony Hernandez, Ryerson Polytechnic University
- 3229. Historical Geographies of Childhood I (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Meghan Cope, University of Vermont
 CHAIR(S): Meghan Cope, University of Vermont
10:00 Karen Wells*, Birkbeck College, *Governing 'race', governing childhood*.
10:20 Meghan Cope*, University of Vermont, *'The Home for Destitute Children': Spaces of Care in early 20th C. Burlington, VT*.
10:40 Deborah G. Hann*, Kansas State University, *'Girding the Lion's Den': Space, Place, & Gender in Alcott's Little Women*.
11:00 Matt Dyce*, University of Winnipeg; Jonathan Peyton, University of Manitoba, *Magical Regionalism: The Adventures of Ti-Jean*.
 Discussant(s): Sarah Mills, Loughborough University
- 3230. GeoWeb and Citizen Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Bandana Kar, University of Southern Mississippi
 CHAIR(S): Bandana Kar, University of Southern Mississippi
10:00 Chengbi Liu*, The Ohio State University; Daniel Sui, The Ohio State University, *Exploring the spatiotemporal pattern of cyberbullying with Yik Yak*.
10:20 Kai Hu*, Wuhan University; Huayi Wu, Wuhan University; Zhipeng Gui, Wuhan University; Ping Shen, Wuhan University; Xiaoqiang Cheng, Wuhan University; Jie Zheng, Wuhan University, *Geosquare: A Cloud-based Cyberinfrastructure with VGI tools for Remote Sensing online education and collaboration: from k12 to undergraduate studies*.
10:40 A-Xing Zhu*, Univ of Wisconsin; Jingchao Jiang, Chinese Academy of Sciences; Chengzhi Qin, Chinese Academy of Sciences, *A Cyber Platform for Predictive Mapping*.
11:00 Han Qin*, George Mason University; Matt Rice, George Mason University, *Determining fitness for geocrowdsourcing in a routing and accessibility system*.
11:20 Krzysztof Janc*, University of Wroclaw, *A Global Approach to the Spatial Diversity and Dynamics of Internet Domains*.
- 3231. Objects of Security and War 2: The Materiality of Conflict (Sponsored by Political Geography Specialty Group)**
Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Katharine Hall Kindervater, Dartmouth College; Ian Shaw, The University of Glasgow
 CHAIR(S): Katharine Hall Kindervater, Dartmouth College
10:00 Teo Ballve*, Colgate University, *Enlisting Nature: A Political Ecology of the Drug War*.
10:20 Derek Gregory*, University of British Columbia, *Drones in the clouds: violence, vulnerability and American bodies*.
10:40 Andrew Merrill*, University of Toronto, *War at the Speed of Sound: Thinking Sound and Space*.
11:00 Ian Shaw*, The University of Glasgow, *The Technogeographies of Empire*.
 Discussant(s): Katharine Hall Kindervater, Dartmouth College
- 3232. Black Matters are Spatial Matters, Part II**
Room: Union Square 5, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): LaToya Eaves, Florida International University; Rashad Shabazz, The University of Vermont
 CHAIR(S): LaToya Eaves, Florida International University
 Discussant(s): Rashad Shabazz, The University of Vermont
- 3233. Myanmar in Transition. Perspectives on Social, Economic, Political and Spatial Changes (1) (Sponsored by Asian Geography Specialty Group)**
Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Marion SABRIE, EHESF/CASE; Chung-Tong Wu, Western Sydney University; Xiaobo Su, University of Oregon
 CHAIR(S): Chung-Tong Wu, Western Sydney University
10:00 Chuyuan Wang, School of Geographical Sciences and Urban Planning, Arizona State University; Soe Win Myint*, School of Geographical Sciences and Urban Planning, Arizona State University, *Environmental Concerns on Deforestation in Myanmar (Burma) 2001-2010*.
10:20 Nirmal Bhagabati*, WWF US; Hanna Helsing, WWF

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Myanmar; Lisa Mandle, Natural Capital Project, Stanford University; Ashley Scott Kelly, Faculty of Architecture, The University of Hong Kong; Ryan Bartlett, WWF US; Radley Horton, Center for Climate Systems Research, Columbia University; Stacie Wolny, Natural Capital Project, Stanford University; Anton Thorsen, WWF Myanmar; Nasser Olwero, WWF US; Dorothy Tang, Faculty of Architecture, The University of Hong Kong; Paing Soe, WWF Myanmar; Manishka De Mel, Center for Climate Systems Research, Columbia University; Danielle Peters, Center for Climate Systems Research, Columbia University, *Mapping natural capital and ecosystem services to advance sustainable development in Myanmar.*

10:40 Sumalika Biswas*, University of Maryland - College Park; Adam Dixon, WWF-US; Nirmal Bhagabati, WWF-US; Matt Hansen, University of Maryland, College Park, *Expansion of Rubber and Oil-Palm plantations in democratic Myanmar.*

11:00 Marion SABRIE*, Center for Southeast Asian Studies Paris, *Transitional political Ecology in Myanmar through the example of the fight against Myitsonne hydroelectric dam.*

Discussant(s): Chung-Tong Wu, Western Sydney University

3234. Investigations into Affordable Housing: A GIS Approach

Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ka Man Leung, Chinese University of Hong Kong

10:00 George C. Bentley, Ph.D.*, Framingham State University; Priscilla McCutcheon, Ph.D., University of Louisville; Robert G. Cromley, Ph.D., University of Connecticut; Dean M. Hanink, Ph.D., University of Connecticut, *Race, Class, Unemployment, and Housing Vacancies in Detroit: An Empirical Analysis.*

10:20 Nicola Alexandra Szibbo, MCP, PhD*, UC Berkeley/ City and County of Honolulu, *From 'Ohana Units to Accessory Dwelling Units (ADUs): Toward a Robust Cultural Inventory of Affordable Housing in Honolulu, Hawai'i.*

10:40 Charles John Barlow*, University of Chicago and University of Cambridge, *The Uneven Geographies of Housing and Home: Financial Innovation and Tenure Neutrality.*

11:00 Ka Man Leung*, Chinese University of Hong Kong, *Quality Adjusted Rent to Income Ratio for Sub-divided Unit Tenants in Hong Kong.*

3237. Transformation of China's Mega Cities II (Sponsored by China Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Wei Xu, University Of Lethbridge; George C.S. Lin, University of Hong Kong

CHAIR(S): George C.S. Lin, University of Hong Kong

10:00 Cindy Fan*, UCLA; Chuanbo Chen, Renmin University, *China's Urban Hukou Puzzle: Why Don't Rural Migrants Want It?*

10:20 Qianbo Wu*, University of Lethbridge, *Population Growth, Living Characteristics and Driving Factors of New Town in Hangzhou.*

10:40 Shih-Yang Kao*, The University of Hong Kong, *Sustainable urban development and the changing central-local dynamics in China.*

11:00 Yuling Song*, Department of Geography at National Changhua University of Education, Taiwan, *The Comparison of Professionals' Spatial and Social Mobility Between New Urban Migrants and Residents in Beijing.*

11:20 Yiping Fang*, Portland State University; Zhilin Liu, Tsinghua University, *Changing access to housing in urban China.*

3238. Social Geographies of Urban Abandonment Session 2 (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Sara Safransky, UNC-Chapel Hill; Erin Collins, American University

CHAIR(S): Sara Safransky, UNC-Chapel Hill

10:00 Jessica K. Graybill*, Colgate University; Nora Gordon, Colgate University, *Urban abandonment in a not-so-declining city: Roles of refugee resettlement in (re) creating urban space in Utica, NY.*

10:20 Tia-Simone Gardner*, University of Minnesota, *White Flight and Black Habitations.*

10:40 Zachary Levenson*, University of California - Berkeley, Department of Sociology, *The Road to TRAs is Paved with Good Intentions: Dislocation and Confinement in Post-Apartheid Cape Town.*

11:00 Cian O' Callaghan*, Department of Geography, Maynooth University, *In the Afterlives of Crisis: 'New ruins', Vacant Space and Remaking the Urban in Ireland.*

Discussant(s): Erin Collins, American University

3239. Human - Environment Geography, the Biosphere

Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sarah K. Chase, San Diego State University

10:00 William A. Selby*, Santa Monica College, *Developing with Nature: A Tale of California's Two Largest Metropolitan Areas.*

10:20 Hosuk Lee*, University of North Georgia; Toralf Zschau, University of North Georgia, *Glocal Approach to Environmental Studies Based on Complexity Theory.*

10:40 Robert W. Christopherson, Member of Biosphere 2 Advisory Board*, Geosystems, *"Biosphere 2, Earth's largest enclosed ecosystems research facility,"*

11:00 Sarah K. Chase*, San Diego State University; Arielle Levine, Ph.D., San Diego State University, *Citizen Science for Natural Resource Management - Does participation foster awareness and stewardship?.*

11:20 Eva Papaioannou, PhD*, Rutgers University; Kaycee Coleman, U.S. Fish and Wildlife Service; Emma Fuller, Princeton University; Julia Olson, PhD, NEFSC-NOAA; Mikaela Provost; Rebecca Selden, PhD, Rutgers University; Talia Young, Rutgers University; Kevin St. Martin, Associate Professor, Rutgers University; Malin Pinsky, Assistant Professor, Rutgers University, *You cannot predict the future, but you can learn from the past: Communities-at-sea responses as a guide for determining future adaptation strategies to climate and regulatory change.*

3240. Producing Vulnerabilities 2: Gender and Cooperative Responses in Latin America (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Rural Geography Specialty Group)

Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Tad Mutersbaugh, University of Kentucky; Christopher Bacon, Santa Clara University

CHAIR(S): Tad Mutersbaugh, University of Kentucky

10:00 Heather Renee Putnam, PhD*, Community Agroecology Network, *Women, Risk, and Resiliency: Gendered Livelihoods, Cooperatives, and Food Security in San Ramon, Nicaragua.*

10:20 Felicity Butler*, Royal Holloway, University of London, *Valuing Unpaid Care Work in Community Fair Trade, Creating Resilient Households? A Case Study of The Body Shop Trading model with a Nicaraguan Sesame Cooperative.*

10:40 Ileana I. Diaz*, University of Western Ontario, *Café del Campo: Exploring the Relationship Between Agroecological Coffee Production and Food Sovereignty in Puerto Rico.*

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- 11:00 Tad Mutersbaugh*, University of Kentucky; Sarah Lyon, University of Kentucky Department of Anthropology, *Financialize Rurality*.
Discussant(s): Christopher Bacon, Santa Clara University
- 3241. Remaking the global economy VII: Sustainability, governance and upgrading in global value chains and production networks (Sponsored by Economic Geography Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Stefano Ponte, Copenhagen Business School
CHAIR(S): Stefano Ponte, Copenhagen Business School
10:00 Jannes Tessmann*, University of Cologne, *Governance and Upgrading in South-South Value Chains: Evidence from the Cashew Industries in India and Ivory Coast*.
10:20 Felix Claus Müller*, Leibniz Institute Regional Development, *Dynamics of value, knowledge and non-knowledge in a science driven industry*.
10:40 Jordan Lindsey Wolfe*, Furman University, *Radical Transparency in the Sustainable Fashion Industry: Companies Knowledge and Value of the Textiles in Supply Chains*.
11:00 David John Smith*, Nottingham Trent University, *Global production networks in global industries: Risk and Revenue Sharing Partnerships in Commercial Aerospace*.
- 3242. A Place to Belong: Creating an Urban, Indian, Women-Led Land Trust in the San Francisco Bay Area**
Room: Union Square 15, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian; Renee Pualani Louis, Institute of Policy and Social Research
CHAIR(S): RDK Herman, National Museum of the American Indian
Introducer: RDK Herman
10:20 Corrina Gould
- 3243. Relational Poverty 6: Solidarity Economy Post-Capitalist Practices and the Geographies of Exclusion and Marginalization**
Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Stephen Healy, University of Western Sydney, Institute for Culture and Society
CHAIR(S): Sarah Elwood, University of Washington
10:00 Craig Borowiak, Assoc. Prof. of Political Science*, Haverford College, *Philadelphia: Contrasting Solidarity and Sharing Economies in America's poorest big city*.
10:20 Keally McBride*, University of San Francisco, *San Francisco: Investigating the Economic Geography of Sharing*.
10:40 Lauren Taylor Hudson*, City University of New York, *New York City: Struggles Over the Narrative of the Solidarity Economy*.
11:00 Stephen Healy*, Western Sydney University, Institute for Culture and Society, *Worcester, MA: Solidarity Economies and Social Justice: Practices of Inclusion and Gratuitous Exchange*.
11:20 Monica Farias, PhC*, University of Washington, *Articulating citizenship for a postcapitalist economy*.
- 3244. Renegotiating territory and power in the food system: geographic perspectives on food sovereignty II (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Amy Trauger, University of Georgia; Marion Werner, University at Buffalo, SUNY; Bradley Wilson, West Virginia University
CHAIR(S): Marion Werner, University at Buffalo, SUNY
- 10:00 Annette Desmarais*, University of Manitoba, *Is food sovereignty possible here? Land grabbing and land ownership legislation in Saskatchewan, Canada..*
10:20 Mark Tilzey, PhD*, Coventry University, UK, *Contesting, Reclaiming and Dissolving Sovereignty?: The State-Capital Nexus and Food Sovereignty as Counter-Hegemony in the Fragmenting Neoliberal Food Regime*.
10:40 Lowery Parker*, University of Georgia, *Modified states: Agricultural innovation as state/corporate power in Kenya*.
11:00 Joshua Steckley*, University of Toronto, *'Those who actually work the land:' Land sovereignty and Haiti's Truncated Agrarian Reform*.
Discussant(s): Amy Trauger, University of Georgia
- 3245. Geographies of Making: Creative Practices and Agentic Materiality (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Dydia DeLyser, California State University, Fullerton; Chris Gibson, University of Wollongong
CHAIR(S): Chris Gibson, University of Wollongong
Introducer: Chris Gibson
10:05 Dydia DeLyser*, California State University, Fullerton, *Restoration Geographies: Enthusiasm and Materiality in Making Indian Motorcycles New*.
10:24 Chantel Carr*, University of Wollongong, *Making cultures: locating self-sufficiency and skill in the old industrial city*.
10:43 Nicola Thomas*, University of Exeter, *Weaving four-shaft relational geographies: genealogies, looms, livelihoods and woven textiles*.
11:02 Chris Gibson, Professor, University of Wollongong; Andrew Thomas Warren*, University of Wollongong - Wollongong, NSW; Shaun McKiernan, University of Wollongong, *Tracing historical geographies of making amidst resource scarcity: building guitars from lively materials*.
11:21 Harriet Hawkins*, Royal Holloway, University of London, *Making Earth Futures*.
- 3246. History of Geography II--Cartographic Considerations (Sponsored by History of Geography Specialty Group, AAG Archives and Association History Committee)**
Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Dorothy Sack, Ohio University
CHAIR(S): Rudi Hartmann, University of Colorado
10:00 Patricia Seed*, University of California, *The First Portolan as Seen Through GIS*.
10:20 Sylvain Cuyala*, CNRS (France), *Mobilizing geography in Science Studies: the case study of French-speaking quantitative geography*.
10:40 Judith A. Tyner, Ph.D.*, California State Univ. Long Beach, *Women Picturing Place: Women in American Pictorial Cartography*.
11:00 Mark Monmonier*, Syracuse University, *Patented Map Projections: Intellectual Property or Mathematical Narcissism*.
11:20 Fritz C. Kessler*, The Pennsylvania State University; Terry A Slocum, University of Kansas, *Is the Map Losing its Power? A Survey on the Map's Changing Role in the Annals of the Association of American Geographers..*
- 3247. Hurricanes 2 (Sponsored by Coastal and Marine Specialty Group)**
Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
CHAIR(S): Harry Williams, University of North Texas

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- 10:00** Cary J. Mock*, University of South Carolina, *Tropical Cyclone History of the Hawaiian Islands.*
- 10:20** Jay S. Hobgood*, Ohio State University, *The Myth That Tropical Cyclones Can't Form Near the Equator.*
- 10:40** Chongming Wang*, The Pennsylvania State University, *Hurricane Risk Perception, Preparation and Evacuation Intentions among the Elderly in Sarasota, Florida.*
- 11:00** LI-SAN HUNG*, Penn State University, *Gender and family hurricane preparedness.*
- 11:20** David Miller, Dr*, University of the West Indies; Andrew G.M. Pearson, Dr, Department of Basic Medical Sciences, The University of the West Indies, Mona, Kingston, Jamaica, *Geomorphologic and sediment dynamics of selected beaches, south coast of Jamaica: hurricane impact complex response systems..*

3248. Water Body Observations, Monitoring, and Management

- Room:* Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)
- ORGANIZER(S): Suzanne Walther, University of San Diego; Adriana E. Martinez, Southern Illinois University Edwardsville
- CHAIR(S): James T. Dietrich, Dartmouth College
- 10:00** Jason M. Post*, Texas Tech University, *The Design, Acquisition, Processing and Analysis of Side Imaging Sonar for Urban Rivers.*
- 10:10** Elina Kasvi*, University of Turku, Finland; Petteri Alho, University of Turku, Finland; Matti Vaaja, Aalto University, Finland; Harri Kaartinen, Finnish Geospatial Research Institute, Finland; Antero Kukko, Finnish Geospatial Research Institute, Finland; Eliisa Lotsari, University of Eastern Finland, Finland; Anttoni Jaakkola, Finnish Geospatial Research Institute, Finland; Hannu Hyyppä, Aalto University, Finland; Juha Hyyppä, Finnish Geospatial Research Institute, Finland, *Combining conventional field measurements, close-range remote sensing and computational modelling to study fluvial geomorphology of meander bends.*
- 10:20** Ingrid Luffman, PhD*, East Tennessee State University, *Precipitation-Conductivity-Turbidity Response for a Small Watershed in East Tennessee, USA.*
- 10:30** Rebecca Kauten, MPP*, University of Iowa, *Contamination in Municipal Water Supplies as a Result of Road Maintenance: Assessing Risk for Midwestern Communities Based on Proven Methods from Sweden.*
- 10:40** Jeffrey D. Colby*, Appalachian State University, *Southern Appalachian Headwater Stream Research: The Upper South Fork of the New River Watershed.*
- 10:50** Mark Alan Fonstad*, University of Oregon; Gordon E. Grant, Oregon State University, *Remote Sensing of River Discharge, Depth, and Velocity from Standing Wave Trains.*
- 11:00** Nathaniel S. Trumbull*, University of Connecticut, *The Economic and Environmental Impacts of Moorage Marinas on the West Coast.*
- 11:10** Lei Meng*, Western Michigan University, *Spatial-temporal variations in wetland methane emissions in a process-based biogeochemical model CLM4Me'.*

3249. The Politics of Farming in North America 2: Challenges and Resistance (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:* Union Square 22, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Julia Laforge, University of Manitoba; Bryan Dale, University of Toronto
- CHAIR(S): Bryan Dale, University of Toronto
- 10:00** Adam Diamond*, American University; Garrett Graddy-Lovelace, American University, *Protectionism or Imperialism: Revisiting and Reimagining Supply Management Policy in the United States.*

- 10:20** André Magnan*, University of Regina, *Farmland politics in Saskatchewan, Canada: neoliberalism, financialization, and re-regulation.*
- 10:40** Ian Bailey*, Cornell University, *Locating the Politics of First Generation Farmers.*
- 11:00** Julia Laforge*, University of Manitoba; Virginie Lavallée-Picard, Wind Whipped Farm, *Alternative Agriculture and Farmer Knowledge in Canada.*
- Discussant(s): Hannah Wittman, University of British Columbia

3250. High Resolution Climate Projections: Towards understanding regional climates (Sponsored by Climate Specialty Group)

- Room:* Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Anji Seth, University of Connecticut
- CHAIR(S): Anji Seth, University of Connecticut
- 10:00** Travis A. O'Brien, Ph.D*, Lawrence Berkeley National Lab; Sara A. Rauscher, Ph.D, University of Delaware; William D Collins, Ph.D, Lawrence Berkeley National Lab and University of California, Berkeley, *Analyzing and Leveraging Self-similarity for Variable Resolution Atmospheric Models.*
- 10:15** Sara Rauscher*, Department of Geography, University of Delaware; Travis O'Brien, PhD, Earth Sciences Division, Lawrence Berkeley National Laboratory; Claudio Piani, PhD, Department of Computer Science, Mathematics and Environmental Science, American University of Paris; Erika Coppola, PhD, Earth System Physics Section, International Centre for Theoretical Physics; Filippo Giorgi, PhD, Earth System Physics Section, International Centre for Theoretical Physics; William D. Collins, Earth Sciences Division, Lawrence Berkeley National Laboratory; Patricia M. Lawston, Department of Geography, University of Delaware, *A Multimodel Intercomparison of Resolution Effects on Precipitation: Simulations and Theory.*
- 10:30** Linda O. Mearns*, National Center for Atmos. Research, *Establishing the Scientific Value of Multiple GCM-RCM Simulation Programs: The Example of NARCCAP.*
- 10:50** Alex Hall*, UCLA; Fengpeng Sun, UCLA; Daniel Walton, UCLA; Marla Schwartz, UCLA; Neil Berg, UCLA, *Hybrid Downscaling for Regional Climate Change Projections.*
- 11:10** Lawrence Buja*, National Center for Atmospheric Research, *Geospatial Technologies for Bridging the Social and Physical domains: Scientific data and knowledge systems developed at the National Center for Atmospheric Research.*
- 11:25** Anji Seth*, University of Connecticut; Melissa Bukovsky, PhD, NCAR; Rachel McCrary, PhD, NCAR; Linda Mearns, NCAR, *Credibility of Climate Projections in the U.S. Southern Great Plains.*

3251. Queer Geography: Exploring LGBTQ identities and spaces (Sponsored by Communication Geography Specialty Group)

- Room:* Mason A, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Olga Petri, University of Cambridge
- CHAIR(S): Olga Petri, University of Cambridge
- 10:00** Claire Carter*, University of Regina, *'I don't think they would say their sexuality is political!': Community Politics in Queer Urban Sport Spaces.*
- 10:20** Rachel Dorothy Zamora*, *Undocumented Resistance.*
- 10:40** Olga Petri*, University of Cambridge, *Emotional spaces: evoking queer geography of late imperial St. Petersburg..*
- Discussant(s): Leah Marion Roberts

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- 3252. H. Jesse Walker and Coastal Geography 4 (Sponsored by Coastal and Marine Specialty Group, Hazards, Risks, and Disasters Specialty Group, History of Geography Specialty Group)**
Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Craig Colten, Louisiana State University
 CHAIR(S): Craig Colten, Louisiana State University
10:00 Craig Colten*, Louisiana State University, *The Changing Nature of Louisiana's Coastal Region: Moving the Resilience Target.*
10:20 Audrey Grismore*, Louisiana State University, *Louisiana vs. Mississippi: Creating the Perfect Policy Window for Oyster Regulation Revision.*
10:40 Jessica Simms*, Louisiana State University, *A Tipping Point? Migratory Patterns and Social Ties in Three Coastal Louisiana Parishes.*
11:00 Brian Marks*, Louisiana State University, *What Makes Geography Coastal and What Do People Have to Do With It?.*
 Discussant(s): Kent Mathewson, Louisiana State University
- 3253. Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 2 (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jennifer K. Sedell, University of California, Davis; Jeffrey Vance Martin, University of California - Berkeley
 CHAIR(S): Jeffrey Vance Martin, University of California - Berkeley
10:00 Claire Camblain*, University of Geneva, *Towards a "humanimal" community: the ethnographic study of an educative farm sanctuary.*
10:20 Sara Cavallo*, Penn State University, *"It is eating as we eat": The political ecology of Banana Xanthomonas Wilt in western Uganda.*
10:40 Heather Rosenfeld*, University of Wisconsin - Madison, *Epistemological nudity and ethnographic strategies: Derrida and Cixous at the farm animal sanctuary. Or, Chickens And How They Are So Good.*
11:00 Harlan Morehouse*, University of Vermont, *Transgressive Ingestion: Risks and Rewards on the Poison Path.*
 Discussant(s): Stephanie Rutherford, Trent University
- 3254. Geographies of Media XI: Moving Images of Space and Place in Television and Cinema (Sponsored by Communication Geography Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Laura Sharp, University of Arizona
 CHAIR(S): Altha J. Cravey, University Of North Carolina
10:00 James Craine*, California State University Northridge, *House Hunting With Wilbur Zelinsky: HGTV's House Hunters Constructs the Superorganic.*
10:20 Laura Sharp*, University of Arizona, *Vision, Loss, and the Sociality of Absence in Kurosawa's Dersu Uzala.*
10:40 Kevin E. McHugh*, Arizona State University; Jennifer L. Kitson, Rowan University, *Parasites and More-than-Human Relations--Swimming in Shane Carruth's film Upstream Color.*
11:00 Kait LaPorte*, University of Washington, *Crafting the Midwestern Mom: Representations of Midwestern Femininity in U.S. Media.*
 Discussant(s): Joseph Palis, University of the Philippines-Diliman
- 3255. Political Ecologies of Environmental Control, Conflict and Crisis 2 (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Africa Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Maano Ramutsindela, University of Cape Town; Bram Büscher, Sociology of Development and Change, Wageningen University; Elizabeth Lunstrum, Department of Geography
 CHAIR(S): Bram Büscher, Sociology of Development and Change, Wageningen University
 Introducer: Bram Büscher
10:20 Thom Davies, Dr*, University of Warwick, *Living with Slow Violence: the Toxic Expertise of fenceline communities.*
10:40 Elizabeth Lunstrum*, Department of Geography; Megan Ybarra, Geography, University of Washington, *Difference is dangerous: conservation displacement as a security strategy.*
11:00 Zackery Ryan Thill*, University of Oregon, *Silencing controversy? Environmental knowledge production on the oilsands of northern Alberta..*
11:20 Bram Büscher*, Sociology of Development and Change, Wageningen University, *Parks of Preemption: Ontopower, Green Violence and the Threat of Conservation.*
- 3256. Tourism and simulacra. Imaginaries, architectures, performances 2 (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Maria Gravari, IREST; Jean-François Staszak, Geneva University
 CHAIR(S): Maria Gravari, IREST
10:00 Philippe Forêt*, Nazarbayev University, *Touring Modernity in the New Capitals of Asia.*
10:20 Jean-François W Staszak, Geneva Univ. (Switzerland)*, Geneva University, *China City (1938-1948) : simulacra and identity.*
10:40 Elizabeth Carnegie*, University of Sheffield; Jerzy Kociatkiewicz, DR, University of Sheffield, *Dances with Despots: Tourism performances and the reshaping of political pasts.*
11:00 Allison Huetz*, University of Geneva, *The Building of the Swiss Imagination in World's Fair at the Beginning of the Twentieth Century : The Panorama des Alpes Bernoises and the Swiss Village.*
11:20 Raffaella Afferni*, Department of Humanities - Università del Piemonte Orientale Amedeo Avogadro; Carla Ferrario, Department of Economics and Business - Università degli Studi del Piemonte Orientale Amedeo Avogadro, *Understanding Italian Sacred Mounts Through Geotagged Photography.*
- 3257. Mobility and Morality 2: Access in Context (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Geoffrey Andrew Battista, McGill University; Kevin Manaugh, McGill University
 CHAIR(S): Geoffrey Andrew Battista, McGill University
10:00 David L. Prytherch, Ph.D.*, Miami University, *Engineered for (In)Justice? Roadway Design and the Incomplete Street.*
10:20 LaDona G. Knigge*, California State University Chico, *Environmental Justice and the Chapman Neighborhood of Chico, CA.*
10:40 Christopher Strunk*, Augustana College, *Rootedness and mobility: Urban gardening, migration, and belonging in the U.S. Midwest.*
11:00 Ting Deng*, Harvard University / The Chinese University of Hong Kong, *Mobilizing Chinese Petty Entrepreneurship: Spatial Practice and Cultural Encounters in an Italian City.*
11:20 Allen Xiao*, University of Wisconsin - Madison, *Navigating Mobilities: Chinese Migrants on the Roads in Lagos.*

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- 3258. Rethinking 'Europe' through its Borderlands (Sponsored by Political Geography Specialty Group, European Specialty Group)**
Room: *Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)*
 ORGANIZER(S): Camilla Hawthorne, University of California - Berkeley; Alessandro Tiberio, UC Berkeley; Ilaria Giglioli, University of California-Berkeley
 CHAIR(S): Heather Merrill, Hamilton College
10:00 Ilaria Giglioli*, University of California-Berkeley, *Becoming European through the Mediterranean. Migration and the Southern Question in Sicily.*
10:15 Camilla Hawthorne*, UC Berkeley, *There Are No Black Italians? Race and Citizenship in the "Black Mediterranean".*
10:30 Alessandro Tiberio*, University of California, Berkeley, *On the Shore: Precarity, Immunity and Permeability in the New Borderlands of "Fortress Europe".*
10:45 Sarah J. DeMott, PhD*, New York University, *Mediterranean Archipelago: An Island Cartography of European Borders..*
11:00 Andrew Telford*, Durham University, United Kingdom, *Are 'they' a threat to 'Europe'? An exploration of the racialization of a Muslim Other in European Union and American climate security discourses.*
11:15 Sophie L. Gonick*, New York University, *From Indignation to the Halls of Power: Activism, Electoral Politics, and Europe's Promise in Contemporary Madrid.*
 Discussant(s): Heather Merrill, Hamilton College
- 3259. Symposium on Human Dynamics Research: Space-Time Analytics (Looking to the future of space-time analytics for human dynamics research) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Lombard Room, Hilton Hotel, 6th Floor (Panel Session)*
 ORGANIZER(S): May Yuan, University of Texas - Dallas; David O'Sullivan, University of California, Berkeley
 CHAIR(S): David O'Sullivan, University of California, Berkeley
 Discussant(s): Sara Irina Fabrikant, University of Zurich; Serge Rey, Arizona State University
 Panelists: Elizabeth A. Wentz, Arizona State University; Paul A. Longley, University College London; Sara McLafferty, University of Illinois
- 3260. Political Ecology of Human-Environmental Change in Mountain Regions (Sponsored by Cultural and Political Ecology Specialty Group, Mountain Geography Specialty Group)**
Room: *VanNess Room, Hilton Hotel, 6th Floor (Paper Session)*
 ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University
 CHAIR(S): Nancy E. Cook, Brock University
10:00 Kimberly E. Medley*, Miami University; John K. Maingi, Miami University, *Placing the extra-local in the interpretation of local vulnerabilities and landscape change at Mt. Kasigau, Kenya.*
10:20 Elsie Lewison*, University of Toronto, *Apples for the Remote Areas: a history of horticulture extension and development bureaucracy in Jumla, Nepal.*
10:40 Aghaghia Rahimzadeh*, University of California Berkeley, *Political Ecology of Climate Change: Shifting Orchards and Temporary Landscape of Opportunity.*
11:00 David Butz*, Department of Geography, Brock University; Nancy Cook, Department of Sociology, Brock University, *Political Ecology of Human-Environmental Change in Gojal, Gilgit-Baltistan, Pakistan.*
11:20 Natasha S K, PhD Candidate*, Syracuse University, *Keepers of the Future?: Women and Agricultural Technologies in the Himalayas.*
- 3261. Human Geography Poster Session II**
 Posters for this session can be found on pages 236-238.
Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)*
 This session is a continuation of the previous timeslot, 3161.
- 3262. How to get published Open Access**
Room: *Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)*
 ORGANIZER(S): Ben Derudder, Ghent University
 CHAIR(S): Ben Derudder, Ghent University
- 3263. Landscape, land use, and land cover change**
Room: *Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Jing Xu, Nanjing University
10:00 Jung Sun Choi*, Seoul National University; Jinsuk Jeong*, Seoul National University; SooJin Park, Seoul National University, *Geodiversity and regional development.*
10:20 Jieliang Feng*, Beijing Normal University; Ning Li, Beijing Normal University, *Applying Vegetation Phenology to Spring Dust Storm Frequency Analysis Based on Joint Distribution.*
10:40 Madhav Giri*, Tribhuvan University, Nepal; Maurizio Tiepolo, Politecnico Di Torino, Italy; Neelam Sharma Rijal, Alternative Energy Promotion Centre, Nepal, *Household level adaptation practices to climate change in different geographic regions of Nepal.*
11:00 Gary Fields*, University of California - San Diego, *'Making the Desert Bloom': Tree-Planting and Bedouin Dispossession in the Naqab.*
11:20 JING XU*, Nanjing University; Hong Yang, University of Oslo; Xianjin Huang, Nanjing University, *Spatial and Temporal Analysis of Arable land area for nearly 30 years ??Based on different data sources.*
- 3265. Climatology, Hydrology, Soil Water**
Room: *Nikko Ballroom II, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Curtis D. Holder, University Of Colorado, Colorado Springs
10:00 Laura Brewington, PhD*, East-West Center; Victoria Keener, PhD, East-West Center, *Modeling future groundwater recharge under climate change using stakeholder-defined scenario planning on Maui, Hawaii.*
10:20 Qing Zhu*, Nanjing Insitute of Geography and Limnology, CAS; Xiaoming Lai, Nanjing Institute of Geography and Limnology, CAS; Kaihua Liao, Nanjing Institute of Geography and Limnology, CAS, *Responses of Soil Water Percolation to Dynamic Interactions among Rainfall, Antecedent Moisture and Season in a Forest Site.*
10:40 Christopher F. Meindl*, University of South Florida, St. Petersburg, *Florida Springs: Pollution, Pumping, Politics and Policy.*
11:00 Erik Anderson*, Texas Christian University; Michael Slattery, Texas Christian University, *Quantifying changes in near-surface soil moisture and temperature during prescribed fire under three fuel loads.*
11:20 Curtis D. Holder*, University Of Colorado, Colorado Springs, *An analysis of leaf characteristics that influence rainfall interception processes.*
- 3266. Applications of Nighttime light data 2: progresses, opportunities and challenges**
Room: *Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Qingxu Huang, Beijing Normal University
 CHAIR(S): Qingxu Huang, Beijing Normal University
10:00 Karsten A. Shein, Ph.D.*, NOAA National Centers for Environmental Information; Sharon Mesick, NOAA National Centers for Environmental Information; Julie

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Bosch, NOAA National Centers for Environmental Information; Angela Sallis, NOAA National Centers for Environmental Information; Heather McCullough, NOAA National Centers for Environmental Information; Barbara Ambrose, NOAA National Centers for Environmental Information; Andrew Allegra, NOAA National Centers for Environmental Information, *NOAA's Public Access to Research Results Initiative: What It Means for Geophysical Data.*

10:20 Bin Gao*, Beijing Normal University, *How does sprawl differ across cities in China? A multi-scale perspective from nighttime light and census data.*

10:40 Jing Wenlong*, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences; Yue Xiafang, Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences, *Mapping Urban Areas with Integration of DMSP/OLS Nighttime Light and MODIS Data Using Machine Learning Techniques.*

11:00 Yinyin Dou*, Center for Human-Environment System Sustainability, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *Mapping China's urban area in 2015 using VIIRS-DNB, NDMI and LST.*

3267. Spatial Weights: Theoretical Innovations (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Xiang Ye, University at Buffalo; Jeon-Young Kang, SUNY - Buffalo

CHAIR(S): Xiang Ye, University at Buffalo

10:00 Boyang Liu*, Yan Xi, SUNY-Buffalo; Shengyu Zhang, SUNY-Buffalo, *The spatio-temporal weighted matrix for raster data series based on hybrid STARMA model.*

10:20 Bin Li, Professor*, Central Michigan University; Yumin Chen, Professor, Wuhan University, *Ignoring or Exploiting Spatial Autocorrelation in Regression Analysis with Raster Data.*

10:40 Ikuho Yamada, Ph.D.*, Chuo University; Atsuyuki Okabe, Ph.D., Aoyama Gakuin University, *Development of Estimating Equations for Critical Values of Moran's I Test of Spatial Autocorrelation.*

Discussant(s): Yongwan Chun, The University of Texas at Dallas

3268. Geospatial Resources for Cancer Research and Cancer Control - Part 2 (Sponsored by International Geography, GIScience, and Urban Health Theme, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): David Stinchcomb, Westat; Zaria Tatalovich, National Cancer Institute

CHAIR(S): Zaria Tatalovich, National Cancer Institute

10:00 Mark Birkin*, School of Geography, University of Leeds; Michelle Morris, Consumer Data Research Centre, University of Leeds; Thomas Birkin, Consumer Data Research Centre, University of Leeds, *Harnessing the power of consumer data for diet and health research.*

10:20 Kevin Henry*, Temple University, Geography and Urban Studies; Khusdeep Malhotra, Temple University, Geography and Urban Studies; Deana Kepka, University of Utah, College of Nursing at the University of Utah, Huntsman Cancer Institute (HCI), *Geographic Factors and HPV Vaccination Initiation among Adolescent Boys in the United States.*

10:40 Loraine A. Escobedo, PhD*, University of Southern California; Myles Cockburn, PhD, University of Southern California; John P. Wilson, PhD, University of Southern California, *Improving the reliability of American Community Survey with an application to*

targeted melanoma control and prevention.

11:00 Recinda Sherman, MPH, PhD, CTR*, North American Association of Central Cancer Registries; Kevin Henry, PhD, Temple University; David Stinchcomb, Westat, *Cancer Surveillance in US and Canada: Geospatial data items available for use in research through the CINA (Cancer in North America) Dataset.*

11:20 David Stinchcomb*, Westat; Zaria Tatalovich, National Cancer Institute; Allison Roeser, Westat, *Evaluation of Commercial Data Sources for Obtaining Individual Residential Histories for Cancer Research.*

3269. Socioeconomic status and urban health II (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Nevin Cohen, CUNY School of Public Health

10:00 Carol L. Hanchette*, University of Louisville, *Changing Patterns of Meth Lab Seizures in Louisville, Kentucky: Implications for Public Health.*

10:20 Nevin Cohen, Ph.D.*, CUNY School of Public Health, *Moving Upstream: Food Policy Making Through an Equity Lens in New York City.*

10:40 Christine C. Caruso*, Eastern Connecticut State University, *Structural Violence in the US Food System.*

11:00 Taylor Wiczzerak*, Montclair State University; Pankaj Lal, PhD, Montclair State University; Matthew McNicholas, Montclair State University, *A Socio-Economic Analysis of Combined Sewer Outflow Infrastructure in Northern New Jersey.*

11:20 Sara Edge, PhD*, Ryerson University, *Promoting equitable and dignified food security in transitioning urban food systems: taking stock of governance victories and challenges.*

3270. Healthcare services: access and participation (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Stephen Anim-preko, Western Michigan University

10:00 Alistair Geddes*, University of Dundee; Alexander Stewart Fotheringham, Arizona State University; Wenbai Yang; Gillian Libby; Robert Steele, *Inequalities in colorectal cancer screening participation: an investigation of spatial non-stationarity.*

10:20 Ping Yin*, University of Mary Washington, *Spatial Accessibility and Prenatal Care Utilization in Georgia.*

10:40 Ta-Chien Chan*, Research Center for Humanities and Social Sciences, Academia Sinica, *Spatial accessibility of primary care for the elderly in the community.*

11:00 Stephen Anim-Preko*, Western Michigan University, *State-wide patterns in diabetes screening service utilization: Comparing Medicaid and Blue Cross Blue Shield of Michigan.*

3271. Urban Geography Plenary Lecture: On Poetry, Pragmatism, and the Urban Possibility of Creative Democracy (Sponsored by Urban Geography Specialty Group)

Room: Golden Gate Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): David Wilson, University Of Illinois; Deborah G. Martin, Clark University

CHAIR(S): David Wilson, University Of Illinois

10:00 Robert W. Lake*, Rutgers University, *On Poetry, Pragmatism and the Urban Possibility of Creative Democracy.*

Discussant(s): Mark Purcell, University of Washington; Katherine B. Hankins, Georgia State University

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- 3272. Geographies of young children**
Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Louise Holt, Loughborough University; Stuart C. Aitken, San Diego State University
 CHAIR(S): Louise Holt, Loughborough University
10:00 Karen Villanueva*, *The Kids in Communities Study (KiCS): Using a desktop park auditing tool to capture park quality.*
10:20 Jacob Lind*, Malmö University, *The Paradoxical Position Of Undocumented Children.*
10:40 Susanne Nordbakke*, Institute of Transport Economics, *Why children play less outside without adult supervision? Exploring potential explanations.*
 Discussant(s): Stuart C. Aitken, San Diego State University
- 3273. Global Urban Observation (VII): Urban Health and Well-Being 2 (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group, Health and Medical Geography Specialty Group)**
Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Hua Liu, Old Dominion University; Qihao Weng, Indiana State University
 CHAIR(S): Hua Liu, Old Dominion University
10:00 Arie Manangan*, CDC; Saha Shubhayu, CDC; Laura Wright, CDC, *Medical infrastructure vulnerability to coastal and inland flooding.*
10:20 Alka Patel*, Alberta Health Services; Rizwan Shahid, Alberta Health Services; Ian Blanchard, Alberta Health Services; Judy Seidel, Alberta Health Services, *A validation of ground emergency transport times modeled using GIS: adjusting travel time models for urban and rural differences.*
10:40 Claudio Bosco*, University of Southampton; Tomas Bird, University of Southampton; Linus Bengtsson, Flowminder.org; Erik Wetter, Flowminder.org; Andrew J Tatem, University of Southampton, *Modelling the interaction between development aid and population health indices. A case study on stunting in Nigeria and Nepal.*
11:00 Glen D Johnson, PhD, MS, MA*, City University of New York, School of Public Health, *Community Health Needs Assessment through Spatial Regression Modeling.*
11:20 Hua Liu*, Old Dominion University; Yuhao Wu, Old Dominion University, University of Hong Kong, *Wavelet analysis of West Nile Virus dissemination based on climatological conditions and vegetation coverage in Southern California.*
- 3274. Plenary Talk: Water and Sustainability: 21st Century Realities and the Global Groundwater Crisis (Sponsored by Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group)**
Room: Bellevue Room, Marker Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Jennifer Collins, University of South Florida
 CHAIR(S): Jennifer Collins, University of South Florida
 Panelists: Jay Famiglietti, California Institute of Technology
- 3275. Towards a Political-Industrial Ecology II: Politicising Industrial Ecology (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Jennifer Baka, London School of Economics; Joshua Cousins, University of Michigan; Joshua P. Newell, University of Michigan
 CHAIR(S): Joshua P. Newell, University of Michigan
10:00 Jia-Ching Chen*, Pennsylvania State University, *From "all under heaven" to "an abandoned baby": toward a political-industrial ecology of China's solar energy resources.*
10:20 Susanne E. Freidberg*, Dartmouth College, *The Politics of Not Knowing: Tensions around Transparency in Industrial Food Supply Chains.*
10:40 Matt Huber*, Syracuse University, *"Something you can feel and see": What makes industrial ecologies political?.*
11:00 Dustin Mulvaney*, San Jose State University, *Integrating political ecology and life cycle assessment to understand solar energy commodity chains.*
 Discussant(s): Luke R. Bergmann, University of Washington
- 3276. The Politics of Celebrity Humanitarianism, Advocacy and International Development II: Place-Based Celebrity Aid and Advocacy Encounters (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**
Room: Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Mary Mostafanezhad, University of Hawai'i at Manoa; Mette Fog Olwig, Roskilde University; Lisa Ann Richey, Roskilde University
 CHAIR(S): Uma Kothari, University of Manchester
10:00 Louise Mubanda Rasmussen*, Roskilde University, *New opportunities and failed promises: Malawian experiences of celebrity-led development.*
10:20 Mette Fog Olwig, PhD*, Roskilde University, *Irony and politically incorrect humanitarianism: Danish celebrity-led benefit events.*
10:40 Mark Wheeler*, London Metropolitan University, *Human Rights, Democracy and Celebrity.*
11:00 Christine Barnes, PhD*, King's College London, *The Power of Laughter: Comic Relief, celebrity and performances of care..*
 Discussant(s): Alex De Waal, World Peace Foundation
- 3277. Geographies of Beer, Part I: Theory, Method, and Practice in the Geography of Beer (Sponsored by Rural Geography Specialty Group, Wine Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Athens North, Marker Hotel, Lower Level (Interactive Short Paper Session)
 ORGANIZER(S): Mark Patterson, Kennesaw State University; Colleen C. Hiner, Texas State University
 CHAIR(S): Nancy Hoalst-Pullen, Kennesaw State University
10:00 Lindsay Naylor*, University of Delaware, *Mashing In: combining ingredients for the geographies of beer.*
10:05 Joseph F. Reese*, Edinboro University of Pennsylvania, *Using U.S. craft beer iconography to portray the American Earth system: An opening salvo and preliminary attempt.*
10:10 April Watson, M.A., RPA*, Florida Atlantic University, *The spaces that bond: the craft beer festival as a social network.*
10:15 Richard Deal*, Edinboro University of Pennsylvania, *Commercial Breweries on Pacific Islands.*
10:20 Colleen C. Hiner, PhD*, Texas State University, *(Micro) movements and microbrew: Craft beer and the transformation of (West) Sacramento, California into America's Farm-to-Fork Capital.*
10:25 Thomas C. Shelton*, Texas State University, *Anti-prohibitionism in Texas: The rise of wineries, microbreweries, and craft distilling in Texas..*
10:30 Mark Patterson*, Kennesaw State University; Nancy Hoalst Pullen, Kennesaw State University, *Sustainability and the US Craft Beer Industry: Does Size Matter?.*
10:35 Chloe Fox*, University of Toronto, *Crafting 'hoppy' workers? An exploratory case study of labour in Portland, Oregon's craft breweries.*
10:40 Joseph A. Quintana*, University of Denver, *Crafted Place: Examining Place Commodification in Craft Beer Production and Marketing.*
10:45 Madison Leigh Pevey*, Texas State University - San Marcos; Colleen C Hiner, Dr., Texas State University

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- San Marcos, *#craftbeer and the use of social media in the branding and marketing of "local" and/or "sustainable" fermented beverages.*

10:50 Steven P. Ericson*, University of Alabama, *A Sense of Suds: Neolocalism and Sense of Place in the Alabama Craft Beer Industry.*

10:55 Ashley Brooke Jenkins*, Texas State University - San Marcos; Colleen C Hiner, Texas State University, *Fruitful Findings in France: the rebellious regions of cider-making.*

11:00 Jake K. Carr*, Center for Urban and Regional Analysis The Ohio State University; Shaun Fontanella, Center for Urban and Regional Analysis The Ohio State University; Calvin Tribby, Center for Urban and Regional Analysis The Ohio State University, *Assessing the Spatial Clustering of US Breweries.*

11:05 Nancy Hoalst-Pullen, PhD*, Kennesaw State University; Mark W Patterson, PhD, Kennesaw State University, *What's Brewing: Thoughts on the Geography of Beer.*

Discussant(s): Hussein A. Amery, Colorado School of Mines; Jerry D. Gerlach, Winona State University; Julie Wartell

3278. Hazards Risks and Disasters 7: Disaster Analysis (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Eric Tate, University of Iowa; Tim G. Frazier, University of Idaho

CHAIR(S): Eric Tate, University of Iowa
10:00 Korey F. Pasch, B.A. (Hons.), M.A., PhD Candidate*, Queen's University, *The Politics of Securitizing Disaster Risk Reduction.*

10:20 Aaron Michael Brouse, M.A. Candidate*, West Chester University; Matin Katirai, Ph.D., MPH, GISP, West Chester University, *Analysis of Pennsylvania's Presidential Disaster Declarations.*

10:40 Neil Oculi*, University of Connecticut; Neil Oculi, University of Connecticut, *Socioclimatic Analysis Loss and Damage for Alliance of Small Island States AOSIS.*

11:00 Kanako Iuchi*, Tohoku University; Elizabeth Maly, Tohoku University, *Relocation dynamics of informal settlers after the 2013 typhoon Yolanda - a two year report.*

11:20 Charles J. Kelly*, Independent Consultant, *Disaster Geography Field Work - The Danger, and the Fun.*

3279. PLACE Attachment Research II (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Jeffrey S. Smith, Kansas State University
CHAIR(S): Jeffrey S. Smith, Kansas State University

10:00 Christine K. Johnson*, University of Nevada, Reno, *Lost in Time and Space: The Impact of Place Image on Pitcairn Island.*

10:20 Engrid Barnett, Ph.D.*, University of Nevada, Reno, *Avant-Garde Wannabe Cowboys: Legends, Amenities, and Place Attachment among Bohemians, Beatniks, & Hippies in Virginia City, Nevada.*

10:40 Hélène DUCROS*, University of Leicester, *Constructing place attachment through wayfinding design.*

11:00 Tyra A. Olstad*, SUNY Oneonta, *Place Attachment, Visitor Perception, and Wilderness Management in the Adirondack High Peaks.*

11:20 Kim Klockow, UCAR Postdoctoral Researcher at NOAA Office of Weather and Air Quality; Randy Peppler*, University of Oklahoma; Amy Goodin, University of Oklahoma; James Correia, University of Oklahoma at NOAA Storm Prediction Center, *Place Attachment and Tornado Risk Perception in the Oklahoma City Metro Area.*

3280. Synoptic Climatology: Applications in Interdisciplinary Research (Sponsored by Climate Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Thomas Ballinger, Texas State University; Michael Allen, Old Dominion University

CHAIR(S): Thomas Ballinger, Texas State University

10:00 Jase Bernhardt*, Penn State University, *A Comparison of Daily Temperature Averaging Methodologies: Uncertainties, Related Spatial Variability, and Societal Implications.*

10:20 Thomas Ballinger*, Texas State University; Scott Sheridan, Kent State University, *A weather typing approach to understanding the effects of Arctic sea ice change on climate across lower latitudes.*

10:40 Cameron C. Lee*, Kent State University; Scott C. Sheridan, Kent State University; Brian B. Barnes, University of South Florida; Chuanmin Hu, University of South Florida; Douglas E. Pirhalla, NOAA; Varis Ransibrahmanakul, NOAA; Karsten Shein, NOAA, *Using circulation patterns and weather types to model water clarity in the Gulf of Mexico.*

11:00 Michael J Allen, Ph.D.*, Old Dominion University, *Circulation Changes to Seasonality.*

11:20 Johnathan Kirk*, Kent State University, *Large Precipitation Events in the Upper Colorado River Basin and Associated Atmospheric Circulation Patterns.*

3281. Quantitative methods and interpretations in paleoecology 2 (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Thomas Minckley, University of Wyoming; Simon Brewer, University of Utah

CHAIR(S): Andrea Brunelle, University Of Utah

10:00 Allison R. LeBlanc*, Virginia Tech; Lisa M. Kennedy, Virginia Tech; Kam-biu Liu, Louisiana State University, *Modern pollen spectra from coastal locations of southwestern Dominican Republic.*

10:20 Jeremiah P. Marsicek*, University of Wyoming, Department of Geology and Geophysics; Bryan N. Shuman, Ph.D., University of Wyoming, Department of Geology and Geophysics; Simon C. Brewer, Ph.D., University of Utah, Department of Geography, *The spatial and temporal evolution of Holocene temperatures in North America and Europe.*

10:40 Thomas Brussel*, University of Utah; Simon Brewer, University of Utah; Thomas A. Minckley, University of Wyoming, *Testing Methods of Defining Functional Diversity in Western United States.*

11:00 William John Calder*, University of Wyoming, Department of Geology and Geophysics, Program in Ecology; Bryan Shuman, University of Wyoming, Department of Geology and Geophysics, Program in Ecology, *Biogeochemical effects of climate and vegetation change, and wildfire in a subalpine landscapes for the last two millenia..*

3282. Anthropogenic impacts on water quality and water contamination in rivers (Sponsored by Water Resources Specialty Group)

Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
ORGANIZER(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology
CHAIR(S): Jingyu Wang, Bronx Community College/CUNY, Dept of Chemistry & Chemical Technology

10:00 Andrew R Murray*, United States Environmental Protection Agency; James W Weaver, PhD, United States Environmental Protection Agency; Fran Kremer, PhD, United States Environmental Protection Agency; Brian Dyson, United States Environmental Protection Agency, *The Search for Water: An investigation into*

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Domestic Groundwater Well Locations in the United States and the Risk of Contamination from Leaking Underground Storage Tanks.

10:20 Joseph Asumah Braimah*, University of Western Ontario; Braimah asumah Joseph, Department of Geography, University of Western Ontario; Gordon Chris, 2. Institute for Environment and Sanitation Studies, University of Ghana; Yirenya-Tawiah Dzidzo, 2. Institute for Environment and Sanitation Studies, University of Ghana, *Science and Perceptions; Household Well Water Quality in Wa in the Upper West Region of Ghana.*

10:40 Mohammed Aldagheiri*, Qassim University; Awatif Alrasheedi, Qassim University, *The Impact of Fodder Cultivation on the Water Resources in the Al-Qassim Region - Saudi Arabia.*

11:00 Jingyu Wang*, City University of New York, *Anthropogenic impacts on water quality and water contamination in the Harlem River.*

11:20 Landon Yoder*, Indiana University, *Exploring the Impact of Multilevel Governance on Everglades Water Quality Restoration.*

3283. Papers in Honor of Michael Watts II

Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Rod Neumann, Florida International University; Richard A. Schroeder, Rutgers University
CHAIR(S): Richard A. Schroeder, Rutgers University

10:00 Richard A. Schroeder*, Rutgers University, *Ode to the Extreme Huntress.*

10:20 Rod Neumann*, Florida International University, *The Nature of African Peasantries: Biodiversity Conservation through the Lens of Agrarian Political Economy.*

10:40 Benjamin Gardner*, University of Washington Bothell, *Stopping the Serengeti Road: Social Media and the Discursive Politics of Conservation in Tanzania.*

11:00 Joseph H. Bryan*, Department of Geography, University of Colorado, Boulder, *The Blood in your oil: Indigeneity and Dispossession from Ogoniland to Pachamama.*

Discussant(s): Rod Neumann, Florida International University

3284. The post-post-Soviet space? Interrogating the region in the quarter century since communism's end (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group)

Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Edward C. Holland, Miami University; Matthew Allen Derrick, Department of Geography
CHAIR(S): Matthew Allen Derrick, Department of Geography

10:00 Gerard Toal*, Virginia Tech, *Poisoned Neighborhood: Post-Invasion Post-Soviet Space.*

10:20 Vera Kuklina*, Institute of Geography SB RAS; Irina Koriukhina, Centre for Independent Social Research and Education; Andrey Petrov, Dr., University of Northern Iowa, *Apartment Rental in Baikalsk: Post-Soviet Legacies in Postindustrial Monotown.*

10:40 Garrett Wolf*, The University of Manchester, *Demodernization and the (Re)Production of Hybrid Culture and Space in Urban Uzbekistan Since 1991: A Comparison of Real, Imagined, and Lived Public Space in Tashkent and Samarkand.*

11:00 Irina Nikolaevna Bilichenko*, *Sustainable development of protected areas in Russia.*

11:20 Matthew Allen Derrick*, Department of Geography, *W(h)ither Post-Soviet Islam?.*

3285. Emerging Issues in the Governance of Ocean Spaces 2: Policies and Processes (Sponsored by Coastal and Marine Specialty Group)

Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Katherine Seto; Nathan Bennett, University of British Columbia/University of Washington

CHAIR(S): Katherine Seto

10:00 Ana K. Spalding*, Oregon State University and STRI; Daniel O Suman, Professor, University of Miami; Maria E Mellado, PhD candidate, Smithsonian Tropical Research Institute, *Navigating marine policy in Panama: A case for the need for clear coastal and marine property regimes.*

10:20 Aria Ritz Finkelstein*, MIT, *Charting the "Region": Marine Spatial Planning in the Northeast.*

10:40 Laurie Richmond*, Humboldt State University; Lucia Ordoñez-Gauger, Humboldt State University; Steven Hackett, Humboldt State University; Cheryl Chen, Ecotrust, *It's a Trust Thing: Exploring the disconnect between fishermen's perceptions of and impacts from the California North Coast Marine Protected Area Network.*

11:00 Wesley Flannery*, Queen's University Belfast, *Stakeholder Participation and Marine Spatial Planning.*

11:20 Mez Baker-Médard*, Middlebury College, *Spatializing the nature-culture dichotomy: exploring underwater politics of marine conservation planning.*

3286. Classification Methods and Accuracy Assessment in Land Cover Mapping (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Shiguo Jiang, SUNY - Albany; Guofeng Cao, Texas Tech University; Xiaolin Zhu, University of California - Davis

CHAIR(S): Shiguo Jiang, SUNY - Albany

10:00 Jacob J Mckee*, Oak Ridge National Laboratory; Jeanette Weaver, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Dilip Patlolla, Oak Ridge National Laboratory, *Global Mapping of Human Settlements at Scale.*

10:20 Xiaochun Zhang*, Wuhan University, State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan 430072, China.; Qinxue Xiong, College of Agriculture, Yangtze University, Jingzhou 434025, China; Rongrui Su, Jingzhou agrometeorological experimental station, Jingzhou 434025, China; Huayi Wu, Wuhan University, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan 430079, China, *Extraction of the crop planting map from HJ-1 CCD images after masking non-agriculture areas from Landsat 8 OLI imagery.*

10:40 John K. Maingi*, Miami University; Kimberly E Medley, Miami University, *Characterizing Vegetation Types at Mt. Kasigau, Kenya using MODIS Data.*

11:00 Kunlun Qi*, Wuhan University; Wenxuan Liu, Wuhan University; Huayi Wu, Wuhan University, *Land-Use Scene Classification in High-Resolution Remote Sensing Images Using Correlaton Joint Sparse Representation.*

11:20 Shiguo Jiang*, SUNY - Albany; Desheng Liu, The Ohio State University; Shanshan Cai, Nipissing University; Xiaolin Zhu, University of California, Davis, *A geostatistical method to improve image classification accuracy.*

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- 3287. Historical Geography: Place, Space, Identity**
Room: *Salon II, JW Marriott Hotel, 2nd Floor* (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Patrick D. Hagge, Arkansas Tech University
10:00 Michael W. Longan*, Valparaiso University; William A. Peterman*, Chicago State University, *Theming the Calumet*.
10:20 Susan J. Bergeron*, Coastal Carolina University, *Reconstructing the Rice Kingdom: an immersive virtual landscape exploration platform for historic Hampton Plantation*.
10:40 Rachael Cofield*, Florida State University, *Constructing Place LaGrange, Georgia: Commemorating the Marquis de Lafayette in the American Bicentennial*.
11:00 Sben Korsh*, UC Berkeley, *Transamerica Pyramid: Dirt, Ships, Trees, Banks*.
11:20 Patrick D. Hagge*, Arkansas Tech University; Deryck Holdsworth, The Pennsylvania State University, *Cotton in the City: the Geography of Cotton Exchanges in Memphis and New Orleans*.
- 3288. Segregation, gentrification, stigmatization - sociospatial effects in neighborhood development II**
Room: *Salon III, JW Marriott Hotel, 2nd Floor* (Paper Session)
ORGANIZER(S): Raimund Kemper, University of Applied Sciences Rapperswil; James P. Freeman, Concordia University
CHAIR(S): Raimund Kemper, University of Applied Sciences Rapperswil
10:00 Robert Vargas, Dr.*, University of Wisconsin-Madison, *Wounded City: Violent Turf Wars in a Chicago Barrio*.
10:20 Eva Andersson, PhD, Stockholm University; Bo Malmberg, Prof., Stockholm University; Pontus Hennerdal, PhD*, Stockholm University, *Long-Term Effects on Educational Attainment from Increasing Segregation of Residential Contexts and School Composition*.
10:40 Melissa Heil*, University of Illinois at Urbana-Champaign, *Community Development for Whom? The Role of Community Development Corporations in the Neoliberal City*.
11:00 Raimund Kemper*, University of Applied Sciences Rapperswil, Switzerland, *Stigmatizing effects of neighborhood development programmes*.

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- 3301. The AAG Long Range Plan**
Room: *Golden Gate 1, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Kenneth E. Foote, University of Connecticut
 CHAIR(S): Kenneth E. Foote, University of Connecticut
 Panelists: Kenneth E. Foote, University of Connecticut; Sarah Witham Bednarz, Texas A&M University
- 3302. Remote Sensing Specialty Group Business Meeting (Sponsored by Remote Sensing Specialty Group)**
Room: *Franciscan C, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3303. Energy and Environment Specialty Group Business Meeting (Sponsored by Energy and Environment Specialty Group)**
Room: *Franciscan D, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3304. Urban Geography Specialty Group Business Meeting (Sponsored by Urban Geography Specialty Group)**
Room: *Golden Gate 6, Hilton Hotel, Lobby Level* (Meeting Session)
- 3305. Polar Geography Specialty Group Business Meeting (Sponsored by Polar Geography Specialty Group)**
Room: *Golden Gate 7, Hilton Hotel, Lobby Level* (Meeting Session)
- 3306. Geographic Perspectives on Women Specialty Group Business Meeting (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: *Golden Gate 8, Hilton Hotel, Lobby Level* (Meeting Session)
- 3307. Keynote Session: Evolving GIS Technology and its Impacts on Geography - Featured Session**
Room: *Plaza A, Hilton Hotel, Lobby Level* (Panel Session)
 Introduction: **Douglas Richardson**, American Association of Geographers
 Speaker: **Jack Dangermond**, Esri
- 3308. Mapathon: Disaster Preparedness and Response (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: *Plaza B, Hilton Hotel, Lobby Level* (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
 11:50 Nama Raj Budhathoki, Kathmandu Living Labs
- 3309. Middle East Specialty Group Business Meeting (Sponsored by Middle East Specialty Group)**
Room: *Continental 1, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3310. Military Geography Specialty Group Business Meeting (Sponsored by Military Geography Specialty Group)**
Room: *Continental 2, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3311. Qualitative Research Specialty Group Business Meeting (Sponsored by Qualitative Research Specialty Group)**
Room: *Continental 3, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3312. The Urban Studies Journal Annual Lecture: Transatlantic City (Sponsored by Urban Geography Specialty Group, Urban Studies Journal)**
Room: *Continental 5, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Andrew Cumbers, University of Glasgow; Jamie Peck, University of British Columbia
 CHAIR(S): Andrew Cumbers, University of Glasgow
 11:50 Jamie Peck*, University of British Columbia, *Transatlantic city.*
- 3313. Mountain Geography Specialty Group Business Meeting (Sponsored by Mountain Geography Specialty Group)**
Room: *Continental 7, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3314. Paleoenvironmental Change Specialty Group Business Meeting (Sponsored by Paleoenvironmental Change Specialty Group)**
Room: *Continental 8, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3315. Regional Development and Planning Specialty Group Business Meeting (Sponsored by Regional Development and Planning Specialty Group)**
Room: *Continental 9, Hilton Hotel, Ballroom Level* (Meeting Session)
- 3316. Business Geography Specialty Group Business Meeting (Sponsored by Business Geography Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor* (Meeting Session)
- 3317. Cartography Specialty Group Business Meeting (Sponsored by Cartography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor* (Meeting Session)
- 3318. Communication Geography Specialty Group Business Meeting (Sponsored by Communication Geography Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor* (Meeting Session)
- 3319. Bible Geography Specialty Group Business Meeting (Sponsored by Bible Geography Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor* (Meeting Session)
- 3320. Community College Affinity Group Business Meeting (Sponsored by Community College Affinity Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor* (Meeting Session)
- 3321. Russian, Central Eurasian, and East European Specialty Group Business Meeting (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: *Union Square 14, Hilton Hotel, 4th Floor* (Meeting Session)
- 3322. Geographies of Food and Agriculture Specialty Group Business Meeting (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: *Union Square 15, Hilton Hotel, 4th Floor* (Meeting Session)
- 3323. Indigenous Peoples Specialty Group Business Meeting (Sponsored by Indigenous Peoples Specialty Group)**
Room: *Union Square 16, Hilton Hotel, 4th Floor* (Meeting Session)
- 3324. Wine Specialty Group Business Meeting (Sponsored by Wine Specialty Group)**
Room: *Union Square 17, Hilton Hotel, 4th Floor* (Meeting Session)
- 3325. Development Geographies Specialty Group Business Meeting (Sponsored by Development Geographies Specialty Group)**
Room: *Union Square 18, Hilton Hotel, 4th Floor* (Meeting Session)
- 3326. History of Geography Specialty Group Business Meeting (Sponsored by History of Geography Specialty Group)**
Room: *Union Square 19, Hilton Hotel, 4th Floor* (Meeting Session)
- 3327. Health and Medical Geography Specialty Group Business Meeting (Sponsored by Health and Medical Geography Specialty Group)**
Room: *Union Square 22, Hilton Hotel, 4th Floor* (Meeting Session)
- 3328. Special Keynote Address of the China Geography Specialty Group and the Geography of Religions and Belief Systems**
Room: *Imperial B, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): David W. Edgington, University Of British Columbia; Justin Tse, University of Washington
 CHAIR(S): David W. Edgington, University Of British Columbia
 Introducer: David W. Edgington
 12:00 Fenggang Yang*, Center on Religion and Chinese Society, Purdue University, *Mapping Chinese Spiritual Capital and Religious Markets.*

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- 3350. Cultural Geography Specialty Group Business Meeting
(Sponsored by Cultural Geography Specialty Group)**
Room: *Union Square 25, Hilton Hotel, 4th Floor* (Meeting Session)
- 3351. Stand-Alone Geographers Affinity Group Business Meeting
(Sponsored by Stand-Alone Geographers Affinity Group)**
Room: *Mason A, Hilton Hotel, 6th Floor* (Meeting Session)
- 3352. Applied Geography Specialty Group Business Meeting
(Sponsored by Applied Geography Specialty Group)**
Room: *Mason B, Hilton Hotel, 6th Floor* (Meeting Session)
- 3354. Private/Public Affinity Group Business Meeting (Sponsored
by Private/Public Affinity Group)**
Room: *Powell Room B, Hilton Hotel, 6th Floor* (Meeting Session)
- 3356. Sexuality and Space Specialty Group Business Meeting
(Sponsored by Sexuality and Space Specialty Group)**
Room: *Sutter Room B, Hilton Hotel, 6th Floor* (Meeting Session)
- 3359. Socialist and Critical Geography Specialty Group Business
Meeting (Sponsored by Socialist and Critical Geography
Specialty Group)**
Room: *Lombard Room, Hilton Hotel, 6th Floor* (Meeting Session)
- 3360. Study of the American South Specialty Group Business
Meeting (Sponsored by Study of the American South
Specialty Group)**
Room: *VanNess Room, Hilton Hotel, 6th Floor* (Meeting Session)
- 3371. Population Geography Specialty Group Business Meeting
(Sponsored by Population Specialty Group)**
Room: *Golden Gate Room, Hotel Nikko, 25th Floor* (Meeting Session)

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Poster Sessions for Thursday are located on pages 236-242.

3401. Theorizing Mobility Transitions: Scales, Sites and Struggles

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Anna Nikolaeva, Royal Holloway, University of London; Cristina Temenos, Northeastern University
 CHAIR(S): Anna Nikolaeva, Royal Holloway, University of London
 Panelists: Tim Cresswell, Northeastern University; Tim Schwanen, University of Oxford; Matt Watson, University of Sheffield; Frans-Hendrik Sengers, Utrecht University; Mimi Sheller, Drexel University

3403. Appreciating Geography as Powerful Disciplinary Knowledge in Schools (A) (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Michael N. Solem, American Association of Geographers
 CHAIR(S): Sirpa Tani, University Of Helsinki
 1:20 Anke Uhlenwinkel*, -, *The new Berlin-Brandenburg syllabus and its potential in relation to the GeoCapabilities Approach.*
 1:40 Chew-Hung CHANG, Associate Professor*, Nanyang Technological University; Liberty Pascua, Ms, Nanyang Technological University, *Teaching climate change in a Future 3 curriculum: a lesson study on using refutation texts.*
 2:00 David Örbring*, Department of Educational Sciences at Lund University; Xin Miao, School of Geographic Sciences East China Normal University, *Connecting policy and practice: geography education in China and Sweden.*
 Introducer: Michael N. Solem
 2:30 John Murray Fastier*, University of Canterbury, College of Education, *New Zealand Geography Teacher initial perceptions regarding the Geo-Capabilities Project.*
 Discussant(s): David Lambert

3404. Accessing public space 3: Designing life between buildings (Sponsored by Urban Geography Specialty Group)

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Kristin Reichborn-Kjennerud, The Oslo and Akershus University College of Applied Sciences; Per Gunnar Røe, University of Oslo, Department of Sociology and Human Geography
 CHAIR(S): Per Gunnar Røe, University of Oslo, Department of Sociology and Human Geography
 1:20 Cristina Maria Handal Gonzalez*, The New School, *Public Space "Lost and Found": Policy, Planning, and Community in "Safer Hoods" in Tegucigalpa, Honduras.*
 1:40 Ricardo Marten*, University College London, *Designing Through Exception: ZODES in Mexico City and the New Urban Planning Currencies.*
 2:00 Roza Tchoukaleyska*, York University, *Walking, talking, and the politics of public space.*
 2:20 Rebecca Kiddle*, Victoria University, *The relationship between public space design and opportunities for community in Aotearoa New Zealand.*
 2:40 Per Gunnar Røe*, University of Oslo, Department of Sociology and Human Geography, *The politics of architecture - designing for the urban public realm.*

3405. Economic Geography XI - Life-Cycles, Clusters, and Resilience (Sponsored by Economic Geography Specialty Group)

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University College Dublin; Jennifer Clark, Georgia Institute of

Technology; David L. Rigby, UCLA

CHAIR(S): Dieter Franz Kogler, University College Dublin
 1:20 Asbjorn Karlsen, AK*, NTNU; Asbjorn Karlsen, AK, Norwegian University of Science and Technology; Markus Steen, MS, Sintef Technology and Society; Sverre Konrad Nilsen, SKN, Sintef Technology and Society, *Small city high-tech clusters: co-evolution, industry dynamics, and external R&D linkages - Two cases from Norway.*
 1:40 Giuseppe Calignano*, Centre for Innovation Research - UiS Business School, University of Stavanger, Norway, *Which factors determine regional resilience? The case of Norwegian regions.*
 2:00 Bong Jeon*, University College London, *The distinctive function of Regional Innovation Systems (RIS): A case of textile industry in Daegu, South Korea.*
 2:20 Canfei He*, Peking University, *How to jump further? Path dependent and path breaking in an uneven industry space.*
 2:40 Breandan O hUallachain*, Arizona State University, *Automobile Manufacturing and Invention: Transplants In the Southeast U.S.*

3406. Why Does Everyone Think Cities Can Save the Planet? 3. Green Urban Natures and the Promise of 'Natural' Nature (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Wachsmuth, New York University; Hillary Angelo, University of California Santa Cruz
 CHAIR(S): David Wachsmuth, New York University
 1:20 Moa Tunström*, Nordregio; Liisa Perjo, Nordregio; Peter Schmitt, Nordregio; Lukas Smas, Nordregio, *From a suburban greenfield to an urban park: the case of Årstafältet in Stockholm, Sweden.*
 1:40 Nik Heynen*, University of Georgia, *Property that Was, and Will be Again: The Significance of Cherokee Re-territorialization and Megapolitan Political Ecology in Southern Appalachia.*
 2:00 Kevin Loughran*, Northwestern University, *The Racial Geographies of Metropolitan Nature in the United States, 1850-present.*
 2:20 Demailly Kaduna-Eve*, UMR Ladyss, *The Parisian Jardins Partagés : Temporary Territories for a Sustainable City?.*
 2:40 Nik Janos, Ph.D.*, California State University Chico, *From Grey to Green: Contradictions of Eco-urbanism at the Industrial Margins in Seattle, WA.*

3407. Greenland Is Melting Away (Sponsored by Cryosphere Specialty Group)

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Vena W. Chu, UCLA; Thomas L. Mote, University of Georgia
 CHAIR(S): Vena W. Chu, UCLA
 1:20 Thomas L. Mote*, University of Georgia; Marco Tedesco, Columbia University; Ike Astuti, University of Georgia; David Cotten, University of Georgia; Tommy Jordan, University of Georgia, *Structure from Motion Using Helicopter-based Aerial Photography over the West Greenland Ablation Zone.*
 1:40 Kyle Mattingly*, University of Georgia; Thomas Mote, University of Georgia, *Atmospheric Rivers over the North Atlantic Ocean and Their Effects on the Greenland Ice Sheet.*
 2:00 Lincoln H. Pitcher*, UCLA Department of Geography; Laurence C. Smith, UCLA Department of Geography; Brandon T. Overstreet, University of Wyoming Department of Geography; Vena W. Chu, U.C. Berkeley Department of Geography; Asa K. Rennermalm, Rutgers Department of Geography;

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Matthew Cooper, UCLA Department of Geography; Johnny Ryan, Abersywh University; Colin J Gleason, UCLA Department of Geography; Kang Yang, UCLA Department of Geography, *Meltwater runoff in a large supraglacial river in western Greenland compared with downstream proglacial river outflow.*

- 2:20** Laurence C. Smith*, Department of Geography, University of California - Los Angeles; Lincoln H Pitcher, Department of Geography, University of California-Los Angeles; Brandon T. Overstreet, Department of Geography, University of Wyoming; Asa K. Rennermalm, Department of Geography, Rutgers University; Vena W. Chu, Department of Geography, University of California-Berkeley; Jonathan C. Ryan, Aberystwyth University, UK; Alun Hubbard, Aberystwyth University, UK; Matthew Cooper, Department of Geography, University of California-Los Angeles; Colin J. Gleason, Department of Geography, University of California-Los Angeles; Kang Yang, Department of Geography, University of California-Los Angeles; Marco Tedesco, City College of New York; Thomas Mote, Department of Geography, University of Georgia, *Supraglacial streams and rivers on the southwestern Greenland Ice Sheet.*

This session will present the research highlighted by the recent New York Times article, "Greenland Is Melting Away," detailing the efforts of a group of scientists tracking ice melt and river discharge on the Greenland Ice Sheet.

- 3409. Changes and Future Trends at Leading Geography Organizations. A conversation with Doug Richardson, AAG; Jack Dangermond, Esri; and Gary Knell, National Geographic Society - Featured Session**

Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)

Organizer and Chair: **Douglas Richardson**, American Association of Geographers

Speakers:

Douglas Richardson, American Association of Geographers
Jack Dangermond, Esri
Gary Knell, National Geographic Society

- 3410. Disrupt Geo 1: new ideas from the front lines of maps, mobile, and big data**

Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Alan McConchie, University of British Columbia / Stamen Design; Renee Sieber, McGill University

CHAIR(S): Alan McConchie, University of British Columbia / Stamen Design

Introducer: Alan McConchie

Discussant(s): Britta Ricker, University of Washington

Panelists: Eric Gundersen, Mapbox; James Steenberg, Ryerson University; Luis Felipe Alvarez Leon, UCLA; Alan McConchie, University of British Columbia / Stamen Design

- 3411. The new 'normal': states of mental being, graduate students and the Anglo-American academy (GSAG Plenary Presentation). (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geographic Perspectives on Women Specialty Group, Geography Education Specialty Group, Cultural Geography Specialty Group)**

Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Brian Williams, The University of Georgia; Nicole Callais

CHAIR(S): Nicole Callais

1:20 Linda J Peake, Professor*, York University, *The new 'normal': states of mental being, graduate students and*

the Anglo-American academy..

- 3412. The Changing Geographies of Music: Space, Technology, Politics, Identity**

Room: Continental 2, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Robert Alexander Saunders, SUNY -

Farmingdale; Emily A. Fogarty, Farmingdale State College

CHAIR(S): Robert Alexander Saunders, SUNY - Farmingdale

1:20 Robert Alexander Saunders*, SUNY - Farmingdale,

Mapping Neofolk: A Tentative Geography of a New Musical Genre.

1:35 Sarah M Hughes*, University of Durham, *Beyond intentionality: exploring the relationship between improvised music and resistance within asylum-seeker communities in the UK..*

1:50 Emily A. Fogarty*, Farmingdale State College, *Mapping and Analyzing Social Media Landscapes to Understand Music Venue Customer Satisfaction, Long Island, New York.*

2:05 Severin Guillard*, Université Paris Est, *Authenticity on stage: the local politics of open mic events in two rap music capitals (Paris, Atlanta).*

2:20 Jon Swords*, Northumbria University, UK, *Musicians in Global Crowd-Patronage Networks.*

2:35 Bharath Ganesh*, University College London, *Critical methodology for the political geographies of hip-hop.*

- 3413. Connectivity and Linkages in Gaining New Insights into the Geography of Ancient Israel (Sponsored by Bible Geography Specialty Group)**

Room: Continental 3, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): William A. Dando, Indiana State University

CHAIR(S): William A. Dando, Indiana State University

1:20 Barry J. Beitzel, PhD*, Trinity Evangelical Divinity School, *The 'Red Sea' in Biblical, Classical, and Early Cartographically-Related Traditions: A Response to Michael D. Oblath and Glen A. Fritz.*

1:40 Dorothy W Drummond, Associated Scholar*, Indiana State University, *Hippos of the Decapolis: An Update.*

2:00 Bruce R. Crew*, Independent Scholar, *The Bible within the Context of Ancient Israel's Geo-Political Location in the Levant..*

2:20 Elizabeth Nicole DePue*, Salem State University, *The Damascus, Bashan, and Hazor Gateways.*

2:40 William A. Dando*, Indiana State University, *Urban Famines in Samaria and Jerusalem during Periods of Civil Unrest and War.*

- 3416. Symposium on Physical Geography: Challenges of the "Anthropocene" V: Risk and Sustainability in an "Anthropocene" 21st Century (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Urban Geography Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme)**

Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Anne Chin, University of Colorado Denver;

William D. Solecki, Hunter College; Julie Winkler, Michigan State University

CHAIR(S): William D. Solecki, Hunter College

Introducer: Julie Winkler

1:20 Joan L Florsheim*, University of California - Santa Barbara; Alicia Kinoshita, San Diego State University; Anne Chin, University of Colorado, Denver, *Toward a sustainable future under changing fire-climate regimes: assessing bio-physical hazards and risks following wildfire.*

1:40 Scott C Sheridan*, Kent State University, *The Human Response to Extreme Heat Events: Past, Present, and Future.*

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- 2:00** Stephanie Pincett*, UCLA, *Cities as Complex Systems in the Anthropocene: The Roles of Hard and Soft Infrastructure toward Urban Sustainability*.
Discussant(s): Billie L. Turner II, Arizona State University
- 3417. Use of Earth Observation Data to Estimate Renewable Energy Resources (Sponsored by Remote Sensing Specialty Group, Regional Development and Planning Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Olufemi Omitaomu, Oak Ridge National Laboratory; Nagendra Singh, Oak Ridge National Laboratory
CHAIR(S): Nagendra Singh, Oak Ridge National Laboratory
- 1:20** John DeGroot*, University of Northern Iowa; Jonathan Voss, University of Northern Iowa, *Solar radiation modeling in the state of Iowa*.
- 1:40** Douglas G. Goodin*, Kansas State University; Lei Luo, Kansas State University; Robert McKane, Environmental Protection Agency; Brad Barnhart, Environmental Protection Agency; Jonathan Halama, Environmental Protection Agency; Paul Pettus, Environmental Protection Agency; Kevin Djang, Environmental Protection Agency; Allen Brookes, Environmental Protection Agency, *Integration of Process Models and Remote Sensing for Estimating Productivity, Soil Moisture, and Energy Fluxes in a Tallgrass Prairie Ecosystem*.
- 2:00** Sorin Cebotari*, Babes-Bolyai University Romania, Early Career Researcher Marie Curie ITN RegPol; Ciprian Moldovan, PhD, Babes-Bolyai University; Marius Cristea, PhD, Babes-Bolyai University, *Renewable energy impact on rural community development*.
- 2:20** Grant Wilson*, University of Toledo, *U.S. Wind Power Generation and the Spatial Distribution of Supporting Incentives*.
- 2:40** Nagendra Singh*, Oak Ridge National Laboratory; Olumfemi A Omitaomu, Oak Ridge National Laboratory; Budhendra L Bhaduri, Oak Ridge National Laboratory, *Spatial MCDA Approach for Mapping Suitable Areas for Siting Solar Power Plants*.
- 3418. Editor Meet Critics: Harriet Hawkins and Elizabeth Straughan's "Geographical Aesthetics" (2014, Ashgate)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Paul T. Kingsbury, Simon Fraser University
CHAIR(S): Paul T. Kingsbury, Simon Fraser University
Introducer: Paul T. Kingsbury
Discussant(s): Geraldine J. Pratt, University Of British Columbia
Panelists: Sarah De Leeuw, University of Northern British Columbia; Owen Dwyer; Arun Saldanha, University of Minnesota - Minneapolis; Stuart C. Aitken, San Diego State University; Harriet Hawkins, Royal Holloway, University of London
- 3419. GIS Specialty Group Honors Student Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Thomas Crawford, Saint Louis University
CHAIR(S): Thomas Crawford, Saint Louis University
- 1:20** Song Gao*, UC Santa Barbara, *Employing Spatial Analysis in Indoor Positioning and Tracking Using Wi-Fi Access Points*.
- 1:40** Dapeng Li*, Department of Geography, University of Utah; Thomas J. Cova, Department of Geography, University of Utah; Philip E. Dennison, Department of Geography, University of Utah, *Setting wildfire evacuation triggers by coupling fire and traffic simulation models: a spatiotemporal GIS approach*.
- 2:00** Neil Debbage*, University of Georgia; Bradley Bereitschaft; J. Marshall Shepherd, *Sensitivity of Spatial Metrics to Land Use Classification Scheme When Assessing Urban Sprawl among Large U.S. Metropolitan Areas*.
- 2:20** Jessica Addison Dozier*, San Diego State University, *Improve Disaster Communication in Online and Offline Communities using Social Media (Twitter) and Big Data*.
- 2:40** Yoo Min Park*, Geography and Geographic Information Science, University of Illinois at Urbana-Champaign; Mei-Po Kwan, Geography and Geographic Information Science, University of Illinois at Urbana-Champaign, *Assessment of Personal Exposure to Air Pollution and Its Effects on Health: Using Hourly Estimates, Human Movement Data, and 3-Dimensional Visualization to Address the Uncertain Geographic Context Problem*.
- 3420. Borders and Sovereignty III (Sponsored by Political Geography Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Md Azmeary Ferdoush, University of Hawaii - Manoa; Reece Jones, University of Hawaii at Manoa
CHAIR(S): Reece Jones, University of Hawaii at Manoa
- 1:20** Kenneth D. Madsen*, The Ohio State University, *Tohono O'odham-U.S. Partnership at the U.S.-Mexico Border: Prospects and Pitfalls for Indigenous Sovereignty*.
- 1:40** Md Azmeary Ferdoush*, University of Hawaii - Manoa, *Settling in and Settling Out of the Border Enclaves of Bangladesh and India: New Identity, New Prospects, New Problems too?*.
- 2:00** Margath A. Walker*, University of Louisville, *Towards a Marcusean conceptualization of fortification*.
- 2:20** Christine Anne Hubbard*, LUMS, *The God of Borders*.
Discussant(s): Reece Jones, University of Hawaii at Manoa
- 3421. Re-Placing Indigeneity in the Modern World (Sponsored by Indigenous Peoples Specialty Group)**
Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Jon Campbell, United States Geological Survey
- 1:20** Delacey Tedesco*, University of Victoria, *Locating the "Missing" Indigenous and Temporary Migrant Communities in Postcolonial Settler-Cities*.
- 1:40** Ming-Huey Wang*, National Taiwan Normal University, *Decolonization through indigenizing the geographical education: A Case from Taiwan Indigenous Cou peoples*.
- 2:00** Darrel L. McDonald, Ph.D., GISP, CPM*, Stephen F Austin State University, *Post Secular Transformations in the Native American Church Dynamics: An Emerging Pluralist Dichotomy Identity*.
- 2:20** Desirée Enlund, PhD candidate*, Umeå University, *A Place of Our Own - Urban Sámi identity formation in Stockholm*.
- 2:40** Jon Campbell*, United States Geological Survey, *Re-Naming North America's Highest Peak: The Denali Decision*.
- 3422. Cognition, Visualisation and User Issues, I (Sponsored by Cartography Specialty Group)**
Room: Franciscan C, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Amy Griffin, UNSW Canberra
CHAIR(S): Amy Griffin, UNSW Canberra
Introducer: Amy Griffin
Panelists: Robert E. Roth, UW-Madison; Sara Irina Fabrikant, University of Zurich; Anthony C. Robinson, Pennsylvania State University; Menno-Jan Kraak, ITC

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- 3423. Interactive Pedagogies**
Room: *Franciscan D, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Annie Warren
 1:20 Bradley A. Shellito*, Youngtown State University, *Maps and Apps: Using the Cloud and Mobile Technologies in Geospatial Education.*
 1:40 Loch Brown*, University of British Columbia; Arthur Green, PhD, University of British Columbia; Derek Turner, PhD, PGeo, University of British Columbia, *Student Led Technology Assisted Field Trips: Challenges, prospects, and best practices.*
 2:00 Timothy L. Hawthorne*, University of Central Florida, *Community GIS in Urban High Schools: The Urban Geospatial STEM Academy as a Model for Moving Learning from the Classroom into Communities.*
 2:20 Jonathan Pollak*, Consortium of Universities for the Advancement of Hydrologic Science, Inc., *Tools and Support for Integrating Real Water Data into the Classroom.*
 2:40 Annie Warren, MS*, Arizona State University; Omaya Ahmad, PhD, Arizona State University; Leanna Archambault, PhD, Arizona State University, *Connecting Landscape and Sustainability Narratives: Enacting Sociotechnical and Socio-Environmental Assemblages Through Digital Story.*
- 3424. Geography and Secondary Education**
Room: *Imperial A, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Geography Education
 1:20 Bob Kolvoord*, James Madison University; Emily Grossnickle, James Madison University and Georgetown University; Adam Green, Georgetown University; David Uttal, Northwestern University; Emily Hollenbeck, Northwestern University, *The Impact of GIS on K-12 Students Spatial Thinking Skills.*
 1:40 Cathleen M McAnney*, University Of Maine Farmington, *Exploring Adoption of Arc-GIS online by Classroom Teachers in Maine.*
 2:00 Karl Donert*, European Association of Geographers, *GI-Learner: Developing a learning line on GIScience in high school education.*
 2:20 Chantal Déry*, Université du Québec en Outaouais - campus St-Jérôme; Lynn Moorman, Mount Royal University, *The Face of K-12 Geography Education across Canada: A National Survey into the preparedness, efficacy, and required supports of teachers of geography.*
 2:40 Arvind P Sridhar*, Geography for Tomorrow, *Geography for Tomorrow: Novel Educational Nonprofit Spreading Geo-Literacy to Youth.*
- 3425. Author Meets Critics: Simone Browne's Dark Matters: On the Surveillance of Blackness**
Room: *Imperial B, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Katherine McKittrick, Queen's University
 CHAIR(S): Katherine McKittrick, Queen's University
 Discussant(s): Simone Browne
 Panelists: Rinaldo Walcott; Leslie Sanders, York University; Ruth Wilson Gilmore, CUNY Graduate Center; Brittany Meché, University of California - Berkeley
- 3426. It's called a life: Moving beyond work-life balance to achieve more care-full universities (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geographic Perspectives on Women Specialty Group, AAG Jobs and Careers Theme, Graduate Student Affinity Group, Disability Specialty Group)**
Room: *Yosemite A, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Winifred Curran, DePaul University; Kathleen A. Farley, San Diego State University
- CHAIR(S): Winifred Curran, DePaul University
 Discussant(s): Heidi J. Nast, DePaul University
 Panelists: Alison Mountz, Wilfrid Laurier University; Kenneth E. Foote, University of Connecticut; Rachel Cotterman
- 3427. Connecting Practitioners and Students - Advice on Career Development in the Field of Location Intelligence (Sponsored by AAG Jobs and Careers Theme, Business Geography Specialty Group)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Murray Rice, University of North Texas; Linda A. Peters, Esri; Tony Hernandez, Ryerson Polytechnic University
 CHAIR(S): Murray Rice, University of North Texas
 Introducer: Murray Rice
 Panelists: Brett J. Lucas, City of Cheney, WA; Linda A. Peters, Esri; Simona Epasto, University of Macerata; Kenard E. Smith, The May Dept. Stores Co.
- 3428. Spatiotemporal Symposium: Geovisual Analytics | (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Wei Luo, Arizona State University; Min Chen, Institute of Space and Earth Information Science, CUHK; Eun-Kyeong Kim, The Pennsylvania State University
 CHAIR(S): Wei Luo, Arizona State University
 1:20 Steven Corns, PhD*, Missouri University of Science and Technology; Ebin Antony, Missouri University of Science and Technology; Suzanna Long, PhD, Missouri University of Science and Technology; Thomas Shoberg, PhD, CEGIS, United States Geological Survey, *Visualization of Complex Restoration Schemes.*
 1:40 André Skupin*, San Diego State University, *An Aerial and Symphonic Fly-Through of High-Dimensional Geographic Space.*
 2:00 Min Chen*, Institute of Space and Earth Information Science, CUHK; Hui Lin, Institute of Space and Earth Information Science, CUHK; Guonian Lu, Key Laboratory of Virtual Geographic Environment, Ministry of Education of PRC, Nanjing Normal University; Songshan Yue, Key Laboratory of Virtual Geographic Environment, Ministry of Education of PRC, Nanjing Normal University; Yongning Wen, Key Laboratory of Virtual Geographic Environment, Ministry of Education of PRC, Nanjing Normal University, *Virtual Geographic Environments (VGEs): for visualization or modeling & simulation?.*
 2:20 Jing Deng*, University of North Carolina - Charlotte; Eric Delmelle, University of North Carolina at Charlotte, *An Interactive Approach to Detect Space-Time Patterns of Landscape Change.*
 2:40 Robert N. Stewart*, Oak Ridge National Laboratory; Curtis Wilkerson, DOE SULI Program; Eric Ragan, Ph.D., Texas A&M University, *ST World: Spatiotemporal Analytics Within a Prototype Serious Gaming Environment.*
- 3429. Historical Geographies of Childhood II (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Meghan Cope, University of Vermont
 CHAIR(S): Meghan Cope, University of Vermont
 1:20 Jeff Crump*, University of Minnesota, *Duck and Cover: The bomb and childhood in Southern California.*
 1:40 Reilly Bergin Wilson*, CUNY - Graduate Center, *'Wish images' and the negotiated production of free play: rooting the contradictions of an 'ideal' childhood in the*

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spatial praxis of adventure playgrounds in 1970s New York City.

2:00 Stephanie Willis*, University of Kansas, *Jumping into Place: Playground jump rope games and the shaping of senses of place.*

2:20 Gavin Brown*, University of Leicester, *The Young(est) Comrades: three children's experiences of anti-apartheid solidarity in the 1980s.*

2:40 Gloriana Sojo Lara*, The George Washington University, *The Diffusion and Evolution of the Undocumented Youth Movement in the United States.*

3430. Apps and Maps: Evolution of a GIS/IT Youth Engagement Program in North Philadelphia (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Urban Geography Specialty Group)

Room: Union Square 3, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Michele Masucci, Temple University
 CHAIR(S): Michele Masucci, Temple University
 Panelists: David Organ; Michele Masucci, Temple University; Alan Wiig, University of Massachusetts, Boston; Sarah Heck, Temple University

3431. Objects of Security and War 3: Structures and Economies of Violence (Sponsored by Political Geography Specialty Group)

Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Katharine Hall Kindervater, Dartmouth College; Ian Shaw, The University of Glasgow
 CHAIR(S): Ian Shaw, The University of Glasgow
1:20 Craig Jones*, UBC, *Law and the 'prosecution' of late modern war.*
1:40 Mert Coskan*, Carleton University, *There is No Such Thing as a "Good" or "Bad" Drone.*
2:00 Jeff Whyte*, UBC, *Truth is our Weapon: Cold War Propaganda and the Birth of the United States Information Agency.*
2:20 Katharine Kindervater*, Dartmouth College, *Military and Police Violence From Above: Drones, Air Power, and the 1985 Bombing of MOVE.*
 Discussant(s): Majed Saeed Akhter, Indiana University

3432. Free Trade Zones in China: Theory and Practice (Sponsored by China Specialty Group, Economic Geography Specialty Group)

Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Roger C.K. Chan, The University Of Hong Kong; Dingxi HUANG; Yuanzhou Tang
 CHAIR(S): Roger C.K. Chan, The University Of Hong Kong
1:20 Roger C.K. Chan*, The University Of Hong Kong, *Spatial Organization and Governance of the Guangdong Pilot Free Trade Zone.*
1:40 Dingxi HUANG*, *Edge City or Core of the Delta? A Revisit of the Three Dimensional Spatial Policies of Nansha Area, Guangzhou.*
2:00 Yuanzhou Tang*, China Academy of Urban Planning and Design Shenzhen, *Evolution of Growth Poles in Transitional China - 'Free Trade Zones' in the Pearl River Delta Region.*
2:20 Bradley C Christensen*, UC Davis; Martin Kenney, PhD, UC Davis, *Understanding Regional identity: How Creation and Maintenance Dynamics in Clusters Produce a Regional Resource.*
2:40 Marie Coris*, University of Bordeaux (GREThA), *Territorial technological intelligence, a tool for the orientation of regional innovation policies.*

3433. Myanmar in Transition. Perspectives on Social, Economic, Political and Spatial Changes (2) (Sponsored by Asian Geography Specialty Group)

Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Marion SABRIE, EHESS/CASE; Chung-

Tong Wu, Western Sydney University; Xiaobo Su, University of Oregon

CHAIR(S): Xiaobo Su, University of Oregon
1:20 Jasnea Sarma, Ph.D. Candidate*, National University Of Singapore; James D Sidaway, Professor, Geography, National University Of Singapore, *Exploring Spaces Of Urban Geopolitics and Surveillance networks in Yangon.*

1:40 James Goggin*, Retired Senior Foreign Service Officer, *From Poverty to Prosperity: Can Globalization Rescue Myanmar's Small Farmers?.*

2:00 Chung-Tong Wu*, Western Sydney University, *Urbanization and Development Policies: Asian lessons for Myanmar.*

2:20 Sanika Akshay Shah*, Clark University, *Lifting the Curtain on Myanmar's Development.*

Discussant(s): Marion SABRIE, EHESS/CASE

3434. Community and Place

Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mathias Le Bossé, Kutztown University of Pennsylvania
1:20 Todd Lindley, PhD*, Georgia Gwinnett College, *Goodbye Spain, Hello Gringos: A Historical Retrospective of Nationalism and Identity in Puerto Rico, Cuba, and the Philippines.*
1:40 Franziska Sohns*, University of Cologne; Javier Revilla Diez*, University of Cologne, *Who survives over time? - A survival analysis of household enterprises in rural Vietnam.*
2:00 Christian Dimmer*, The University of Tokyo, *Connecting old and new Activism: (Re)assembling Japan's "First Collective House".*
2:20 Roberto Vidal*, Pontificia Universidad Javeriana, *Is there a symbiosis between political violence and projects of territorial management in Colombia?.*
2:40 Mathias Le Bossé*, Kutztown University of Pennsylvania, *Denmark's Place in Europe in the Early 21st Century.*

3437. Batteries, boots & blunders: Field work considerations & advice for graduate students (Sponsored by Landscape Specialty Group, Graduate Student Affinity Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Kalli F. Doubleday, University of Texas, Austin
 CHAIR(S): Kalli F. Doubleday, University of Texas, Austin
 Panelists: Kaitlin Tasker; Michael Dobbins, University of Florida; Kristen Denninger Snyder, University of California - Davis; Allison Kendra, Stanford University; Luke Craven, University of Sydney

3438. Sharing Economies: The Struggle for Consolidation 1. Shared Mobility (Sponsored by Economic Geography Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Peter Pelzer, Utrecht University; Gernot Grabher, HCU Hamburg; Koen Frenken, Utrecht University
 CHAIR(S): Koen Frenken, Utrecht University
1:20 Karla Muenzel*, Utrecht University; Wouter Boon, Utrecht University; Koen Frenken, Utrecht University, *Explaining the adoption of B2C and P2P Carsharing in Western Europe: a city-level analysis.*
1:40 Mário Vale*, Universidade de Lisboa, IGOT, CEG, *Unfolding the Sharing Economy in the City: the Case of Car Sharing in Lisbon.*
2:00 Peter Pelzer*, Utrecht University, *Institutional Entrepreneurship in the Sharing Economy.*
2:20 Shauna Brail*, University of Toronto, *Uber vs City Hall: 'New' industry models within traditional systems of governance.*
2:40 Hongmou Zhang*, Massachusetts Institute of Technology,

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Adding Preferences of People to the Ridesharing Model.

3439. Spatial Optimization and Analysis I (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:* Union Square 12, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development; Ran Wei, University of Utah
 CHAIR(S): Daoqin Tong, University of Arizona - Geography & Regional Development
 1:20 Yongha Park*, The Ohio State University; Morton E. O'Kelly, The Ohio State University, *Aircraft fleet assessment of air carriers in the US domestic and international aviation market.*
 1:40 Gunhak Lee*, Seoul National University; Kamyong Kim, Kyungpook National University; Yongchang Kim, Seoul National University, *Dynamic patrol routing problem for de facto population estimated from mobile phone data.*
 2:00 Wangshu Mu*, The University of Arizona; Daoqin Tong, University of Arizona, *On the Optimal Zoning Design in Multiple Regression.*
 2:20 James Gaboardi*, Florida State University, *Automating Multiple Single-Objective Spatial Optimization Models for Efficiency and Reproducibility.*
 2:40 Ran Wei*, University of Utah; Daoqin Tong, University of Arizona, *Accounting for data uncertainty in the American Community Survey in choropleth mapping.*

3440. Producing Vulnerabilities 3: Commodities, Communities and Social Reproduction (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Rural Geography Specialty Group)

- Room:* Union Square 13, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Tad Mutersbaugh, University of Kentucky; Christopher Bacon, Santa Clara University
 CHAIR(S): Ryan Edward Galt, University of California - Davis
 1:20 Yulia Peralta*, University of Arizona - Arid Lands Resource Sciences; Margaret Wilder, Ph.D., University of Arizona, *Community versus Commodity: the Struggle of Small-scale Producers in the Yaqui Valley, Mexico.*
 1:40 Will Penner*, University of Kansas, *Sowing Sovereignty: Addressing the Gaps in Food Security Initiatives.*
 2:00 Consuelo Guayara Sanchez, Ph.D.*, University of Iowa, *Reproducing Gendered Cultural Practices or Forging an Ethics of Care?.*
 2:20 John M. Talbot*, University Of the West Indies, Mona, *The Origin of Blue Mountain Coffee.*
 2:40 Ryan Edward Galt*, University of California - Davis, *Just chocolate? Chocolate makers' discursive connections between trade, quality, and producer livelihoods in the Americas.*

3441. Profiling, b/ordering, and the political work of pedagogy I (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

- Room:* Union Square 14, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Nicholas Jon Crane, Ohio Wesleyan University
 CHAIR(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University
 Discussant(s): James A. Tyner, Kent State University
 Panelists: Maegan Miller, CUNY - Graduate Center; Paul Routledge, University of Leeds; Symon James-Wilson, University of Toronto; Laurel Mei-Singh, CUNY Graduate Center; Kyle Kajihiro, University of Hawaii - Manoa

3442. Ethnic Geography Specialty Group Distinguished Scholar: John Frazier (Sponsored by Ethnic Geography Specialty Group)

- Room:* Union Square 15, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh; Carlos Teixeira, University of British Columbia Okanagan
 CHAIR(S): Heike Alberts, University of Wisconsin-Oshkosh
 Introducer: Carlos Teixeira
 Panelists: John Frazier, Binghamton University; Eugene Tettey-Fio, SUNY-Binghamton; Joe T. Darden, Michigan State University; Lawrence E. Estaville, Texas State University; Wei Li, Arizona State University; Ana I. Sanchez-Rivera, University of Maryland-College Park

3443. Relational Poverty 7: Race and Urban Encounter

- Room:* Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Sheryl-Ann Simpson, University of California - Davis
 CHAIR(S): Victoria A. Lawson, University of Washington
 1:20 Melora Koepke*, Simon Fraser University, *Fresh Produce Markets in Low-Income Community Food Hubs: Relational Praxis for Inclusion.*
 1:40 Stijn Oosterlynck*, University of Antwerp; Pieter Cools, University of Antwerp, *Social innovation and categorical social interventions: the politics of need interpretation in Roma engagement strategies in Manchester.*
 2:00 Sheryl-Ann Simpson*, University of California - Davis, *Participation time and the production of inner-city and suburban community space.*
 2:20 Claire Bolton*, University of Georgia, *Who Belongs in God's Shalom? Displaceable Subjects and Faithful Morality in an Atlanta Neighborhood.*

3444. Conversations Between STS and Agri-Food: The Global Geography of Knowledge-Making and Use. Part 1 (Sponsored by Geographies of Food and Agriculture Specialty Group)

- Room:* Union Square 17, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Alastair Iles, UC Berkeley; Garrett Graddy-Lovelace, American University School of International Service; Maywa Montenegro, ESPM, UC Berkeley
 CHAIR(S): Alastair Iles, UC Berkeley
 Panelists: Alastair Iles, UC Berkeley; Emil Tsao, The University of Vermont; Yooinn Hong, Penn State University; Patrick Baur, University of California, Berkeley; Jennifer K. Sedell, University of California, Davis

3445. Symposium on Human Dynamics Research: Urban Analytics (I)

- Room:* Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Nick Malleon, University of Leeds; Paul A. Longley, University College London; Seth E. Spielman, University of Colorado
 CHAIR(S): Nick Malleon, University of Leeds
 1:20 Marynia Aniela Kolak, MFA, MS*, GeoDa Center for Geospatial Analysis and Computation, Arizona State University; Luc Anselin, PhD, GeoDa Center for Geospatial Analysis and Computation, Arizona State University; Julia Koschinsky, PhD, GeoDa Center for Geospatial Analysis and Computation, Arizona State University, *A Spatial Perspective on the Econometrics of Health Program Evaluation.*
 1:40 Paul A. Longley*, University College London; Wen Li, University College London; Guy Lansley, University College London; James A Cheshire, University College London, *Spatial dynamics and data infrastructures.*
 2:00 Apolline Coralie ROHARD*, Université de Cergy-Pontoise, *Can we predict crime beyond central urban areas? Models and theories of geo-criminality in question.*
 Discussant(s): Mark Birkin, University of Leeds

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- 3446. History of Geography III--Geographers in the Twentieth Century (Sponsored by History of Geography Specialty Group, AAG Archives and Association History Committee)**
Room: *Union Square 19, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Dorothy Sack, Ohio University; Rudi Hartmann, University of Colorado
CHAIR(S): Stanley D. Brunn, University of Kentucky
1:20 David Lowenthal*, University College London, *Carl Sauer and His Legacy: Cartographies of Curiosity.*
1:40 Doreen J. Mattingly*, San Diego State University, *Toward a Regional Geography of Second-Wave Feminism in the United States.*
2:00 Clark Akatiff*, City of Palo Alto, *The Origin of the Union of Socialist Geographers, Toronto, 1974.*
2:20 Rudi Hartmann*, University of Colorado, *Melvin Albaum: The curtailed career and prematurely shortened life of an openly gay geographer.*
2:40 Caroline H. McClure*, Texas State University, *The First 25 Years of the Alliance Network: The Early Years.*
- 3447. Hurricanes 3 (Sponsored by Coastal and Marine Specialty Group)**
Room: *Union Square 20, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
CHAIR(S): David Miller, University of the West Indies
1:20 Joshua Brian Hodge, M.S. Applied Geography Candidate*, University of North Texas; Harry Williams, PhD, Geography, Department of Geography, University of North Texas, *Hurricane Storm Surge Sedimentation on the McFaddin National Wildlife Refuge, Texas: Implications for Coastal Marsh Aggradation.*
1:40 Joanne Muller, Assistant Professor*, Florida Gulf Coast University; Jennifer Collins, Associate Professor, University of South Florida; Christian Ercolani, PhD Student, Florida Gulf Coast University; Shelby Ellis, Undergraduate Student, Florida Gulf Coast University; Charlie Paxton, National Weather Service, *Millennial Scale Hurricane Activity along the Southwest Florida Coastline.*
2:00 Shelby Ann Ellis, Undergraduate*, Department of Marine and Ecological Sciences, Florida Gulf Coast University; Joanne Muller, Assistant Professor, Department of Marine and Ecological Sciences, Florida Gulf Coast University; Jennifer Collins, Associate Professor, School of Geosciences, University of South Florida; Christian Ercolani, Graduate Student, Department of Marine and Ecological Sciences, Florida Gulf Coast University, *A Modern Holocene Paleohurricane reconstruction record of SWFL using Storm Deposits.*
2:20 Harry Williams*, University of North Texas; Montri Choowong, Professor, Chulalongkorn University, Thailand.; Sumet Phantuwongraj, Dr., Chulalongkorn University, Thailand.; Peerasit Surakietchai, Chulalongkorn University, Thailand.; Thanakrit Thongkhao, Chulalongkorn University, Thailand.; Stapana Kongsan, Chulalongkorn University, Thailand.; Eric Simon, University of North Texas, *Geologic Evidence of Holocene Tropical Cyclone Variability in the Gulf of Thailand: A Link Between Climate Change and Extreme Storms?.*
2:40 Kam-biu Liu, Ph.D.*, Dept. Oceanography & Coastal Sciences, Louisiana State University; Thomas A Bianchette, Ph.D., Dept. Oceanography & Coastal Sciences, Louisiana State University; Qiang Yao, Ph.D., Dept. Oceanography & Coastal Sciences, Louisiana State University; Terrence A McCloskey, Ph.D., Dept. Oceanography & Coastal Sciences, Louisiana State University, *Geochemical Characteristics of Recent Storm Surge Deposits in a Backbarrier Lake in Coastal Louisiana.*
- 3448. Geographies of Food and Agriculture: Illustrated Papers (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: *Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)*
ORGANIZER(S): Daniel R. Block, Chicago State University
CHAIR(S): Daniel R. Block, Chicago State University
1:20 Shrinidhi S. Ambinakudige*, Mississippi State University; Carrie Phillips, Mississippi State University; Aynaz Lotfata, Mississippi State University, *Environmental and food security: Rivercane ecosystem and basketry in Choctaw Indian Community in Mississippi.*
1:30 Vanessa Alcantar*, Cal Poly Pomona, *Food For Thought: Decreasing Food Deserts in South Los Angeles.*
1:40 Michelle Johnson*, Chicago State University; Michelle Johnson, *Accessing Food and Equality for Chicago's Minority Communities.*
1:50 Shanon P Donnelly, Dr., University of Akron; Michelle Davis*, Cuyahoga Community College, *Akron Food Networks- Visualizing Urban Agriculture Connectivity in Akron, Ohio.*
2:00 Rheyne Laney, Ph.D.*, Sonoma State University, *The Impact of a Payment-for-Environmental-Services Project in an Agricultural Landscape.*
2:10 Fiona Gladstone*, University of Arizona - School of Geography and Development, *A longitudinal study of household-level agricultural practices in the Valley of Oaxaca, Mexico, 1973-2012.*
2:20 Jena DiFrisco*, The Pennsylvania State University, *The Significance of Urban Farming & Gardening Evaluations for the Benefit of Roman Communities: A Review of Existing Literature and Case Study.*
2:30 Connor James Henderson*, Pennsylvania State University; Kayla Yurco, Pennsylvania State University, *Human-Environment Interactions of Livestock Grazing in Southern Kenya.*
- 3449. Water Security? Critical Geographical Engagements I (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Union Square 22, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Jessica Budds; Wendy Elizabeth Jepson, Texas A&M University; Alex Loftus, King's College London
CHAIR(S): Vanessa Empinotti, Federal University of ABC
1:20 Afton Clarke-Sather*, University of Delaware, *The Politics of Water Security in Global Green and Virtual Water Discourses.*
1:40 Anne-Marie Debbane*, San Diego State University, *The Common Sense of Water Security.*
2:00 Alex Loftus*, King's College London; Hug March, Universitat Oberta de Catalunya, *Financialising Desalination: Rethinking the returns of big infrastructure.*
2:20 Vanessa Empinotti*, Federal University of ABC, *May Water Security challenge institutions? The São Paulo megacity drought case.*
2:40 Jessica Budds*, *Water security and water markets: The paradox of responses to scarcity in Chile.*
- 3450. Urban Geography GIS and Modeling**
Room: *Union Square 25, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Jie Zheng, Wuhan University
1:20 Patrick Kilfoil*, McGill University, *Local no more: Spatial planning, globalized policy processes and regional development.*
1:40 Kuninori Nakagawa*, Shizuoka University, *A model of referendum.*
2:00 Cassie McMillan*, Pennsylvania State University; Clio Andris, Pennsylvania State University; James O'Dwyer, University of Illinois at Urbana-Champaign; Jeremy Van Cleve, University of Kentucky,

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Geocomputational Methods for Modeling Dyadic Relationships in an Urban Context.

- 2:20 Lee Hachadoorian*, Temple University, *Developing and Evaluating a Multiscalar Measure of Segregation.*
 1:20 Jie Zheng*, Wuhan University, *bibliometric in gis.*

3451. **Psychoanalysis and the Global 1: Political Economy and Libidinal Economy**

Room: *Mason A, Hilton Hotel, 6th Floor (Paper Session)*

- ORGANIZER(S): Ilan Kapoor
 CHAIR(S): Maureen Sioh, DePaul University
 1:20 Eleanor MacDonald, Associate Professor*, Queen's University, *Integrative and Responsive Desires as Resources for an Alternative Political Economy.*
 1:40 Dan Bousfield*, University of Western Ontario, *Faith, Fantasy and Crisis: Anglosphere Discipline in Global Debt Restructuring.*
 2:00 Robert Fletcher*, Wageningen University, *Beyond the End of the World: Breaking Attachment to a Dying Planet.*
 2:20 Maureen Sioh*, DePaul University, *This is the Special Thing We Fear: Eroticized Rage in Financial Conquest.*

Discussant(s): Ilan Kapoor

3452. **Beyond Internationalism I: More-than-national thinking at the twilight of Empire (1850-1950) (Sponsored by Political Geography Specialty Group, History of Geography Specialty Group, Historical Geography Specialty Group)**

Room: *Mason B, Hilton Hotel, 6th Floor (Paper Session)*

- ORGANIZER(S): Reshaad Durgahee, University of Nottingham; Benjamin Thorpe, University of Nottingham
 CHAIR(S): Reshaad Durgahee, University of Nottingham
 1:20 Felix de Montety*, University of Nottingham, *The Linguistic Geographies of International Geographical Congresses (1871 - 1913).*
 1:40 Benjamin Thorpe*, University of Nottingham, *From colonies to continents: 'Eurafrica' as a supranational solution to the crisis of colonialism, in the work of the Pan-European Union (1923-44).*
 2:00 Elliott Callan Child*, University of British Columbia, *Areas of wartime intelligence - regional expertise, global vision, and American militarized science during WWII.*
 2:20 Monica A. Hoffman*, U.C. San Diego, *Geographies of Malaria in World War II.*
 2:40 Luca Muscara*, Universita del Molise, *Jean Gottmann more-than-national thinking at the twilight of the Empire.*

3453. **Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 3 (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**

Room: *Powell Room A, Hilton Hotel, 6th Floor (Paper Session)*

- ORGANIZER(S): Jennifer K. Sedell, University of California, Davis
 CHAIR(S): Jeffrey Vance Martin, University of California - Berkeley
 1:20 Benjamin Cooke, PhD*, RMIT University; Ruth Lane, PhD, Monash University, *More-than-human ecological commoning practices across private land tenure: tensions between enclosure and an emerging ethos of care.*
 1:40 Karin Patzke*, Rensselaer Polytechnic Institute, *Constraining Encounters: Management and Knowledge Practices on Private Lands in Texas.*
 2:00 Morgan Gray*, UC Berkeley; Adina M Merenlender, PhD, UC Berkeley, *Quantifying Landscape-Scale Human Impacts on Habitat Connectivity: Implications for Wildlife Movement and Property Management.*
 2:20 Prashant Hedao, PhD Candidate*, University of California at Davis, *Necklace or a NOOSE - Political Ecology of Elephant-Human Conflict (EHC) in Kodagu, South India.*

Discussant(s): Timothy Hodgetts, University of Oxford

3454. **Climate variability and ecological responses: past, present and future (Sponsored by Paleoenvironmental Change Specialty Group)**

Room: *Powell Room B, Hilton Hotel, 6th Floor (Paper Session)*

- ORGANIZER(S): Vachel Carter, University of Utah
 CHAIR(S): Vachel Carter, University of Utah
 Introducer: Vachel Carter
 1:21 James Benes*, Department of Earth Sciences, Montana State University; Cathy Whitlock, Ph.D, Geology, Montana Institute on Ecosystems, Department of Earth Sciences, Montana State University, *Paleoecological history of Fairy Lake, Bridger Range, MT, USA.*
 1:41 Michael Pisaric*, Brock University; Zachary Harmer, Brock University, *The spatial and temporal record of wildfire across the Northwest Territories, Canada since 1965.*
 2:01 Jazlynn Shaydra Hall, Student*, University of Wyoming; Thomas Minckley, PhD, University of Wyoming, *Extending the utility of modern pollen analogs into late glacial periods in western North America.*
 2:21 Folasade Olubunmi Oderinde*, Tai Solarin University of Education, Ijebu-ode, *A Comparative Analysis of Carbon Emission in the Ecological Zones of Nigeria.*
 2:41 Vachel A. Carter*, University of Utah; Vanessa G Chavez, University of Utah; Andrea Brunelle, University of Utah; Mitchell J Power, University of Utah, *Fire and vegetation responses during the MCA and LIA at Fish Lake, south central Utah..*

3455. **Political Ecologies of Environmental Control, Conflict and Crisis 3 (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Africa Specialty Group)**

Room: *Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)*

- ORGANIZER(S): Maano Ramutsindela, University of Cape Town; Bram Büscher, Sociology of Development and Change, Wageningen University; Elizabeth Lunstrum, Department of Geography
 CHAIR(S): Maano Ramutsindela, University of Cape Town
 1:20 Tobias Schmitt, Dr.*, University of Hamburg, *Power relations in political ecology.*
 1:40 Melody Christa Lynch*, McGill University, *Everyday Politics of Resource Use in the Wakatobi National Park, Indonesia.*
 2:00 Samuel Walker*, University of Toronto, *Re-imagining Cleveland: exploring the tensions between decommodification and market intervention in vacant land reuse.*
 2:20 Maano Ramutsindela*, University of Cape Town, *Intertextuality and responses to environmental crisis.*
 Discussant(s): Alice Kelly, University of California, Berkeley

3456. **Saffronizing Fascism? Economy, Culture and Environment in India (Sponsored by Asian Geography Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**

Room: *Sutter Room B, Hilton Hotel, 6th Floor (Panel Session)*

- ORGANIZER(S): Waqar Ahmed, University of North Texas; Rohit Negi, Ambedkar University Delhi
 CHAIR(S): Rohit Negi, Ambedkar University Delhi
 Discussant(s): Aparna Parikh, Pennsylvania State University
 Panelists: Waqar Ahmed, University of North Texas; Raju J. Das, York University; Aman Luthra, Johns Hopkins University; Laurence R. Simon, Brandeis University; Rohit Negi, Ambedkar University Delhi; Balbir Singh Butola, Csrtd, Jawaharlal Nehru University, New Delhi India

3457. **Mobilities, Mobility Justice and Social Justice I (Sponsored by Transportation Geography Specialty Group)**

Room: *Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)*

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ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University

CHAIR(S): David Butz, Brock University

1:20 Elina Sukaryavichute*, Miami University, *Transit Planning and Social Justice: Competing Visions of Bus Rapid Transit and the Chicago Street.*

1:40 Sharon Roseman, Professor*, Memorial University Of Newfoundland; Diane Royal, Memorial University of Newfoundland, *Fighting for Ferry Justice on Bell Island: Transportation Activism in Rural Newfoundland.*

2:00 Pooneh Torabian*, University of Waterloo; Heather Mair, University of Waterloo, *Securitized Travel post 9/11: Freedom of Movement for Dual Citizens?.*

2:20 Theresa Enright*, University of Toronto, *Metromobility and Spatial Justice.*

2:40 Jillian Anable*, University of Aberdeen; Thomas Budd, Cranfield University, *Travel Disruption and Personal Resilience.*

- 3459. The 2016 Capitalism Nature Socialism Lecture: “State regulation and environmental justice: The need for strategy reassessment” by Laura Pulido (Sponsored by Hazards, Risks, and Disasters Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Health and Medical Geography Specialty Group)**

Room: Lombard Room, Hilton Hotel, 6th Floor (Panel Session)

ORGANIZER(S): Salvatore Engel-DiMauro, SUNY New Paltz; Mazen Labban

CHAIR(S): Mazen Labban

Discussant(s): Nicole-Marie Cotton; Ellen Kohl, Texas A&M University

Panelists: Laura Pulido, University of Southern California

- 3460. Vegetation Dynamics I (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)**

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Parveen Kumar Chhetri, Texas A&M

University; Jeremy Johnson, Texas A&M University

CHAIR(S): Parveen Kumar Chhetri, Texas A&M University

1:20 Rebecca L. Powell*, University Of Denver; Seth Peterson, University of California, Santa Barbara; Michael Goulden, University of California, Irvine; Dar Roberts, University of California, Santa Barbara; Christopher J Still, Oregon State University, *Characterizing spatio-temporal heterogeneity of vegetation surface temperature from canopy to landscape scales: two case studies.*

1:40 Youngsang Kwon*, University of Memphis; Chris Larsen, University at Buffalo; Monghyeon Lee, The University of Texas at Dallas, *Spatial modeling approaches for tree species richness in eastern US forest.*

2:00 Chris Larsen*, University At Buffalo; Youngsang Kwon, The University of Memphis; Phil Savoy, University at Buffalo, *A constant proportion of tree species present in a latitudinal band have their peak abundance at that latitude, eastern USA.*

2:20 Matthew Vaughan*, Texas A&M University; Arvind Bhuta, Ph.D., USDA Forest Service; Andrew Evans, M.S., Texas A&M University, *Mapping Carolina Hemlock Using a Predictive GIS-based Model.*

2:40 Parveen Kumar Chhetri*, Department of Geography, Texas A&M University; Krishna B Shrestha, Department of Biology, University of Bergen, Norway; David M Cairns, Department of Geography, Texas A&M University, *A multi-scale assessment of Himalayan treeline dynamics in response to recent climate change.*

- 3462. Spatial Analysis and Modeling with High-performance Computing**

Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Minrui Zheng, University of North Carolina at

Charlotte; Wenwu Tang, University of North Carolina at Charlotte

CHAIR(S): Minrui Zheng, University of North Carolina at Charlotte

1:20 Minrui Zheng*, University of North Carolina at Charlotte; Wenwu Tang, University of North Carolina at Charlotte; Wenpeng Feng, University of North Carolina at Charlotte, *Automated selection of spatial models accelerated using cyber-enabled high-performance computing: a case study of High Rock Lake Watershed.*

1:40 Matthew Marsik*, Land Use and Environmental Change Institute, University of Florida; Galia Selaya, Agricultural and Biological Engineering, University of Florida; Robert Walker, Department of Geography and Center for Latin American Studies, University of Florida; Christopher Baraloto, Department of Biological Sciences, Florida International University; Stephen Perz, Department of Sociology University of Florida; Rafael Muñoz-Carpeña, Agricultural and Biological Engineering, University of Florida; Greg Kiker, Agricultural and Biological Engineering, University of Florida; Jane, Southworth, Department of Geography and Land Use and Environmental Change Institute, University of Florida; Oliver L Phillips, School of Geography, University of Leeds, *Comparison of Methods for Spatial Modeling of Above Ground Biomass in the Southwestern Amazon.*

2:00 Jessica Salo, PhD*, University of Northern Colorado; David Theobald, PhD, Conservation Science Partners, *A practical approach to estimate riparian condition at a reach scale in the Southern Rockies Ecoregion..*

2:20 Yongting Pan*, China University of Geosciences; Qingfeng Guan, China University of Geosciences; Wen Zeng, China University of Geosciences, *Consumer categorization and spatial analysis using municipal water consumption data.*

- 3463. Practicing Landscapes**

Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Denielle Perry, University of Oregon

1:20 Monica Argandoña, PhD*, California State University - Long Beach, *The Environmentalists' Playbook: The Antiquities Act as a Land Protection Tool in an Anti-Conservation Congress.*

1:40 John Miller Morris, Professor*, University of Texas - San Antonio, *Green Dreams and Conservation Schemes in Texas: “How Green doth my Prairie Grow”.*

2:00 Theodore Rex*, St. Cloud State University, *Place Politics in the Creation of the Boundary Waters Canoe Area Wilderness (BWCAW).*

2:20 Molly Lou Pintok*, St. Cloud State University, *Generating Discourses: Framing Visions of Nature and Landscape Concerning Windfarm Implementation in Wales, UK and Minnesota, USA.*

2:40 Denielle Perry*, University of Oregon; Denielle M Perry, PhD Candidate, University of Oregon, *The Spatio-Temporal Dimensions of River Conservation in the U.S.: Insights from the Wild & Scenic Rivers Act.*

- 3465. CITY Journal Sessions #2: The Practical Person's Guide to the city, urbanisation, and the planet (Sponsored by Urban Geography Specialty Group, Routledge)**

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Mark Davidson, Clark University

CHAIR(S): Nasser Abourahme, Columbia University

Discussant(s): Richard A. Walker, University of California-Berkeley; Mark Davidson, Clark University

Panelists: Hillary Angelo, University of California Santa Cruz; Kate Shaw, University of Melbourne; Bob Catterall, CITY

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3467. Mobility, Health, and the City I (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

Room: *Monterrey I, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Michael J. Widener, University of Toronto; Debarchana Ghosh, University of Connecticut; Jerry Shannon, University of Georgia

CHAIR(S): Michael J. Widener, University of Toronto

1:20 Richard Casey Sadler, PhD*, Michigan State University, *Integrating Expert Knowledge from Anti-Hunger Organizations with a Spatial Analysis of Food Accessibility to Optimize Siting of a Mobile Healthy Food Market.*

1:40 Jason Gilliland, PhD*, University Of Western Ontario; Richard C Sadler, PhD, Michigan State University; Andrew F Clark, PhD, University of Western Ontario; Colleen O'Connor, PhD, Brescia University College; Piotr Wilk, PhD, University of Western Ontario, *Using GPS and activity tracking to reveal the influence of children's food environment exposure on junk food purchasing.*

2:00 Jay Christian, PhD, MPH*, University of Kentucky, *Activity typicality and eating out in Lexington, KY.*

2:20 Wuyang Cai*, University of Georgia; Jerry Shannon, University of Georgia; Xiaobai Yao, University of Georgia, *Examining Local Food Environment for SNAP Participants in Georgia.*

2:40 Marta Jankowska*, University of California San Diego; Brittany Lewars, University of California San Diego; Kristin Meseck, University of California San Diego; Suneeta Godbole, University of California San Diego; Eileen Johnson, University of California San Diego; Loki Natarajan, University of California San Diego; Jacqueline Kerr, University of California San Diego, *Can we measure fast-food and restaurant eating behaviors using GPS and GIS? Challenges and issues explored in a validation study.*

3468. Bodies/spaces of new reproductive geographies I: Maternal health care (Sponsored by International Geography, GIScience, and Urban Health Theme, Geographic Perspectives on Women Specialty Group, Population Specialty Group, Health and Medical Geography Specialty Group)

Room: *Monterrey II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Helen Hazen, University of Denver; Maria Fannin, University of Bristol

CHAIR(S): Maria Fannin, University of Bristol

1:20 Marcia R. England*, Miami University, *Reproductive geographies: A case study of fertility decision-making.*

1:40 Helen D Hazen*, University of Denver, *The First Intervention is Leaving Home": Reasons for Electing an Out-of-hospital Birth among Minnesotan Mothers.*

2:00 Briana Karl*, Ohio University, *Navigating the Unknown: Immigrant Perceptions of Western Maternal Systems in Southeast Ohio.*

2:20 Risa C. Whitson*, Ohio University; Jill Klimpel, Ohio University, *Birthing Modernity: spatial discourses of caesarean birth in São Paulo, Brazil.*

2:40 Andrea Rishworth*, University of Waterloo; Elijah Bisung, University of Waterloo; Isaac Luginaah, Western University, *"It's Like a Disease": Women's Perceptions of Cesarean Sections in Ghana's Upper West Region.*

3469. Geographies of Aging I: Spatial Analysis and Mobility (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

Room: *Carmel I, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Jessica Finlay, University of Minnesota; Allison M. Williams, McMaster University; Rachel Herron, Brandon University

CHAIR(S): Allison M. Williams, McMaster University

1:20 Yan Kestens*, Université de Montreal, Canada; Basile Chaix, INSERM, France; Philippe Gerber, LISER, Luxembourg; Lise Gauvin, Université de Montreal, Canada; Sébastien Lord, Université de Montreal, Canada; Alexandre Naud, Université de Montreal, Canada; Pierre Rondier, Université de Montreal, Canada; Lucie Richard, Université de Montreal, Canada; Benoit Thierry, Centre de recherche du CHUM, Canada; Rania Wasfi, Université de Montreal, Canada, *Measuring life spaces to understand how urban contexts impact healthy aging: Comparing questionnaires and GPS tracking.*

1:40 Mariana T Atkins*, University of Western Australia, *'Disaggregating Third Age Mobility - An analysis of residential mobility and ageing-in-place in Perth, Western Australia'.*

2:00 JieLan Xu*, University of Toronto, *Active aging without car? Exploring relations between automobility and active aging in Canada.*

Discussant(s): Rachel Herron, Brandon University

3470. Environments and Sport Participation (Sponsored by International Geography, GIScience, and Urban Health Theme, Recreation, Tourism, and Sport Specialty Group, Health and Medical Geography Specialty Group)

Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Ineke Deelen, Utrecht University; Dick Ettema CHAIR(S): Ineke Deelen, Utrecht University

1:20 Dick Ettema*, Utrecht University, *Does the Running Environment Influence Perceived Attractiveness, Restorativeness, and Running Frequency?.*

1:40 Peter James Anthamatten*, University of Colorado Denver; Lois Brink, MLA, University of Colorado Denver; Eve Kutchman, University of Colorado Denver; Claudio Nigg, University of Hawaii at Manoa, *A Microgeographic Analysis of Recess Space and Physical Activity Behavior among Elementary School Children.*

2:00 Ineke Deelen*, Utrecht University; D.F. Ettema, Utrecht University; M.J. Dijst, Utrecht University, *The Interplay Between Psychological and Environmental Factors in Explaining Sport Participation.*

2:20 Christine A Mitchell*, University of Western Ontario; Andrew F Clark, PhD, University of Western Ontario; Jason Gilliland, PhD, University of Western Ontario, *Contextual Environmental Exposure and Children's Physical Activity: Use of GPS, accelerometry, and GIS from the STEAM Project.*

3471. Population Specialty Group: Lifetime Achievement Award for John Weeks (Sponsored by Population Specialty Group)

Room: *Golden Gate Room, Hotel Nikko, 25th Floor* (Paper Session)

ORGANIZER(S): Rachel S. Franklin, Brown University

CHAIR(S): Rachel S. Franklin, Brown University

Introducer: John R. Weeks

Discussant(s): Debbie L. Fugate, US Federal Government; Justin Stoler, University of Miami; Arthur Getis, San Diego State University; David R. Rain, The George Washington University; Douglas A. Stow, San Diego State University; David Lopez-Carr, UC Santa Barbara

3472. Water Resources Sustainability in California I (Sponsored by Political Geography Specialty Group, Water Resources Specialty Group)

Room: *Bay View Room, Hotel Nikko, 25th Floor* (Paper Session)

ORGANIZER(S): Ruopu Li; Matthew Deitch, Center for Ecosystem Management and Restoration

CHAIR(S): Ruopu Li

1:20 Mia Van Docto*, CEMAR, *Water Needs and Availability in Coastal California's Watersheds.*

1:40 Emily*, NASA DEVELOP Program - ARC, *Lake Tahoe*

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Water Resources.

- 2:00** Tamara Wilson*, United States Geological Survey; Benjamin Sleeter, U.S. Geological Survey; D. Richard Cameron, The Nature Conservancy, *Will there be water? Future land-use related water demand in California.*
- 2:20** Christina Greene*, University of Arizona, *Drought in California's San Joaquin Valley: Assessing Environmental Narratives of Vulnerability.*
- 2:40** Ruopu Li*, Southern Illinois University; Lance Larson, Natural Resources Defense Council; Mahesh Pun, University of Nebraska-Lincoln, *Groundwater Sustainability in Response to Agricultural Management Scenarios in the Central Valley, California.*

3473. Geography of Wine 1: In the Vineyard (Sponsored by Wine Specialty Group)

Room: *Peninsula Room, Hotel Nikko, 25th Floor* (Paper Session)

ORGANIZER(S): Robert P. Sechrist, Indiana University of Pennsylvania

CHAIR(S): Scott F. Burns, Portland State University

1:20 Guillaume Giroir*, University of Orléans, Department of geography, *Organic wine and wine biodynamically in China: two case studies (Château Bolongbao, Beijing) (Château Nubes, Hebei Province).*

1:40 Anthony B. Shaw*, Brock University, *Climate change and the evolution of Canada's wine appellations.*

2:00 John W. Nowlin*, University of North Carolina - Greensboro, *North Carolina Terroir(s).*

2:20 Percy H. Dougherty, Professor Emeritus*, Kutztown University of Pennsylvania, *Chambourcin: Great Wine Potential in the NE US.*

2:40 Scott F. Burns*, Portland State University, *Terroir of Bento Gonsalves Wine Region of Brazil.*

3474. Modeling Buildings: Inside and Out

Room: *Bellevue Room, Marker Hotel, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sitian Xiong

1:20 Thomas Balkcom, BS*, Oak Ridge National Laboratory; Jessica Moehl, MS, Oak Ridge National Laboratory; Amy Rose, PhD, Oak Ridge National Laboratory; Robert Stewart, PhD, Oak Ridge National Laboratory, *Leveraging Street-Level Imagery to Model Heterogeneous Building Distribution in an Intraurban Context.*

1:40 Detlef Günther-Diringer*, University of Applied Sciences, Karlsruhe, *3D-city model Karlsruhe: One dataset - multiple dissemination possibilities.*

3475. Towards a Political-Industrial Ecology III: Energy (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: *Paris North, Marker Hotel, Lobby Level* (Paper Session)

ORGANIZER(S): Jennifer Baka, London School of Economics; Joshua Cousins, University of Michigan; Joshua P. Newell, University of Michigan

CHAIR(S): Jennifer Baka, London School of Economics

1:20 Ingrid Behrsin*, University of California, Davis, *"Correcting for the Climate" and Other Artifacts of EU Waste-to-Energy Regulation.*

1:40 Louise Guibrunet*, Institute for Sustainable Resources, University College London; Martin Sanzana Calvet, Development Planning Unit, University College London; Vanesa Castán Broto, Development Planning Unit, University College London, *The politics of waste flows in Mexico City and Santiago de Chile: a comparative analysis.*

2:00 Zélia Hampikian*, LATTs, *From industrial companies to energy utilities: how waste heat recovery is reshaping urban metabolism. Insights from the case of Dunkirk*

(France)..

2:20 Susan M. Christopherson, Professor*, Cornell University, *Risks Beyond the Well Pad: The Economic Footprint of Shale Gas Development in the US.*

3476. Author-Meets-the-Critics "The Rise and Decline of Urban Economies: Lessons from Los Angeles and San Francisco by Michael Storper, Tom Kemeny, Naji Makarem and Taner Osman (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: *Paris South, Marker Hotel, Lobby Level* (Panel Session)

ORGANIZER(S): Yuko Aoyama, Clark University

CHAIR(S): Yuko Aoyama, Clark University

Introducer: Yuko Aoyama

Discussant(s): Michael Storper, London School of Economics; Thomas Kemeny, University of Southampton

Panelists: Allen J. Scott, University of California - Los Angeles;

Anna Lee Saxenian, University of California -

Berkeley; Walter Powell, Stanford University; Jim

Wunderman, Bay Area Council

3477. New Voices in Water Resources Geography (Sponsored by Graduate Student Affinity Group, Water Resources Specialty Group)

Room: *Athens North, Marker Hotel, Lower Level* (Interactive Short Paper Session)

ORGANIZER(S): Brian C. Chaffin, University of Montana;

Jacob Petersen-Perlman, Oregon State University

CHAIR(S): Brian C. Chaffin, University of Montana

1:20 Sam Stein*, San Francisco State University, Dept of Geography and Environment; Leora Nanus, PhD, San Francisco State University, Dept of Geography and Environment; Nancy Wilkinson, PhD, San Francisco State University, Dept of Geography and Environment, *An Examination of Water Quality in the South Bay Salt Pond Restoration Project.*

1:30 Armando Gallo Yahn Filho*, Oregon State University, *Multi-level governance and integrated management of international river basins: a case study of the Columbia and Colorado River Basins.*

1:40 Feng Yu*, Purdue University; Jonathan Harbor, Purdue University, *Towards an optimized practice - Coupling of Empirically and Physically based Rainfall-Runoff Modeling.*

1:50 Rachael Davee*, Oregon State University, *Beaver, Ranching, Livestock Interactions.*

2:00 Ingrid Timboe, M.S. Water Resources Policy & Management*, Oregon State University, *Assessing the current state of U.S. - Canadian cooperation around water resource management in the international Columbia River basin.*

2:10 Jana E. Archer, Graduate Student*, East Tennessee State University; Ingrid Luffman, PhD, East Tennessee State University; Andrew T. Joyner, PhD, East Tennessee State University, *Water reuse in California: Identifying untapped potential.*

2:20 Justin T Hall*, University of Louisville, *Urban Flooding and Sewer Inundation on The University of Louisville Belknap Campus.*

Discussant(s): Rebecca Peters, University of California - Berkeley

3478. Hazards Risks and Disasters 8: Risk Analysis and Reduction (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: *Athens South, Marker Hotel, Lower Level* (Paper Session)

ORGANIZER(S): Eric Tate, University of Iowa; Tim G. Frazier, University of Idaho

CHAIR(S): Eric Tate, University of Iowa

1:20 Avantika Ramekar*, Kansas State University, *Evaluation of Risk Perception of Unconventional Natural Gas (UNG) Development using Psychometric Paradigm.*

1:40 Yassine Charabi*, Sultan Qaboos University; Malik Al-

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Wardy, Department of Soils, Water and Agricultural Engineering, College of Agricultural and Marine Sciences, Sultan Qaboos University; Ghazi Ali Al Rawas, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University, *Climate Change Risk Modeling and decision-making framework for Oman.*

2:00 Kimiko Barrett, PhD*, Headwaters Economics, *Land Use Planning to Reduce Wildfire Risk: Lessons from Five Western Cities.*

2:20 Xi Chen*, Beijing Normal University; Ning Li, Beijing Normal University, *Assessing contributions of society and climate change to property damage from flooding.*

3479. PLACE Attachment Research III (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Jeffrey S. Smith, Kansas State University
CHAIR(S): Jeffrey S. Smith, Kansas State University

1:20 Rex Rowley*, Illinois State University, *Landscapes of Recovery: Shifting Senses of Place Attachment in Kesenuma, Japan.*

1:40 Christopher W. Post*, Kent State University, *Making Place through the Memorialized Landscape.*

2:00 Patrick May*, Plymouth State University, *Fisher Cats and Sea Dogs: Marketing Sense of Place in Minor League Baseball.*

2:20 William A. Wetherholt*, Kansas State University, *Place Attachment in Kansas and Nebraska's Emptying Plains.*

Discussant(s): Paul C. Adams, University of Texas at Austin

3480. Manufacturing geographies of memory I: Race, Slavery, and the Plantation (Sponsored by Study of the American South Specialty Group, Cultural Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Matthew Cook, University of Tennessee;

Emma Jay Walcott-Wilson, Missouri University
CHAIR(S): Matthew Cook, University of Tennessee
Introducer: Matthew Cook

1:22 Emma Jay Walcott-Wilson*, University of Tennessee, *Memory on the Two-Way Street: Identity Formation and Public Memory at a Civil War Battlefield.*

1:40 Stephen P. Hanna*, University of Mary Washington; Dereek H. Alderman, University of Tennessee, *From Celebratory Landscapes to Dark Tourism Sites? Exploring the Design of Southern Plantation Museums.*

2:00 Janna R. Caspersen*, University of Tennessee Department of Geography; Derek H. Alderman, University of Tennessee Department of Geography, *Crowdsourcing the Memory of the Southern Plantation: Twitter as a Heritage Tourism Research Tool.*

2:20 Jason Grek-Martin*, Saint Mary's University, *Experiencing 'Roots Tourism' in The Gambia: Reflections on a Dark Tourism Destination.*

3481. Rural Change and Residents' Sense of Place and Experiences in their Locale I (Sponsored by Rural Geography Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Sarah A. Mason, University of Western Ontario
CHAIR(S): Ryan D. Bergstrom, University of Minnesota Duluth

1:20 Hannah Woods*, Western University, *The Contribution of Community-based Health Planning and Services to Community Sustainability and Health in the Upper West Region of Ghana.*

1:40 Jacquelyn R. Chase*, Cal State University, Chico, *Property, Planning and Sense of Place in Rural Northern California.*

2:00 Jennifer Dickie*, University of Stirling, UK; Martin Phillips, University of Leicester, UK, *Power to*

the People or Power for the People? A Critical Investigation of Community Renewable Energy and Energy Justice.

2:20 Courtney Pickett*, Duke University, *Wind, water, and 'wicked' tuna: exploring the agency of non-human actants on Hatteras Island, North Carolina.*

2:40 Ryan D. Bergstrom*, University of Minnesota Duluth, *Mining for Truth: Conceptualizing Precious Metal Mining in Northern Minnesota.*

3482. Urbanization and Environmental Sustainability (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
ORGANIZER(S): Yuyu Zhou, Pacific Northwest National Laboratory; Soe Win Myint, Arizona State University; Wenze Yue, Zhejiang University

CHAIR(S): Yuyu Zhou, Pacific Northwest National Laboratory
1:20 Christine Wen*, Cornell University, *The political economy of development planning in western China.*

1:40 Frank Swiaczny*, Federal Institute for Population Research, Germany, *Re-urbanization under Conditions of Ageing and Shrinking - A Conceptual View on Spatial Population Dynamics in Germany.*

2:00 Francia Torres*, U.S. Bureau Of the Census; Francia Torres; Tanya Sadrak, U.S. Bureau Of the Census; Alexandra Zablotsny, Pathways Intern U.S. Bureau of the Census, *Simple Tools, Great Solutions: Creating Boundaries for Puerto Rico Urbanizations.*

2:20 Yan Sun*, Peking University; Shuqing Zhao, Peking University, *Rates and patterns of urban expansion in Jing-Jin-Ji urban agglomeration over the past three decades: a hierarchical patch dynamics approach.*

2:40 Wenze Yue*, Zhejiang University, *Measuring urban sprawl of large cities in Yangtze River Economic Belt with multi-source dataset.*

3483. Papers in Honor of Michael Watts III

Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
ORGANIZER(S): Rod Neumann, Florida International

University; Richard A. Schroeder, Rutgers University
CHAIR(S): Rod Neumann, Florida International University

1:20 D. Asher Ghertner*, Rutgers University, *Hindu Extrastatecraft: 'Clean India' and Other Ideologies of Infrastructure.*

1:40 Rosalind Fredericks*, New York University, *Vibrancy of Refuse, Piety of Refusal.*

2:00 Erin Collins*, American University, *Race, Water, and the Materiality of Displacement in Phnom Penh, Cambodia.*

2:20 Sapana Doshi*, University of Arizona, Tucson, *The (anti) ethics of community: Dispossession politics in the postcolonial city.*

Discussant(s): Richard A. Schroeder, Rutgers University

3484. Natural Disasters and Tourism: International Perspectives on Impacts, Social Capital, Preparedness, and Community Resiliency I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
ORGANIZER(S): Sanjay K. Nepal, University of Waterloo; Brent Doberstein, University of Waterloo

CHAIR(S): Sanjay K. Nepal, University of Waterloo

1:20 Sanjay K. Nepal*, University of Waterloo; Brent Doberstein*, University of Waterloo, *Natural Disasters and Tourism: Conceptual Framework and Research Agenda.*

1:40 Tisha Holmes, PhD*, Florida State University, *Emerging roles of eco-tourism community-based organizations in Climate Change Adaptation-Disaster Risk Reduction*

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- planning in the Turtle Region of Trinidad & Tobago.*
2:00 Ignatius Cahyanto, Ph.D.*, Black Hills State University,
Exploring Tourists Hurricane Evacuation Decisions.
2:20 Bishnu Prasad Devkota*, University of Waterloo; Bishnu
 Praassd Devkota, University of Waterloo, *Cultural
 Heritage, Identity, and Sense of Place: Tourism
 communities after the 2015 Nepal Earthquake.*

3485. Emerging Issues in the Governance of Ocean Spaces 3: Power and Politics (Sponsored by Coastal and Marine Specialty Group)

- Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Katherine Seto; Nathan Bennett, University of
 British Columbia/University of Washington
 CHAIR(S): Nathan Bennett, University of British Columbia/
 University of Washington
1:20 Elizabeth Havice*, University of North Carolina-Chapel
 Hill, *Unsettled sovereignty and the sea: The political
 ecology of control over ocean space and resources.*
1:40 Peter Vandergeest*, York University; Melissa Marschke,
 University of Ottawa, *Slavery Scandals, Trafficking,
 and Labour Mobilities: Issues with Framing Labour
 Relations in the Industrial Fisheries in Southeast Asia.*
2:00 Luke Fairbanks*, Duke University; Lisa M Campbell,
 Duke University; Noëlle Boucquey, Eckerd College;
 Kevin St. Martin, Rutgers University, *Opening rather
 than (en)closing ocean space: Reading marine spatial
 planning for difference.*
2:20 Nathan J. Bennett, PhD*, University of British Columbia/
 University of Washington, *Ocean grabbing: Exploring
 the evidence.*
2:40 Elena M. Finkbeiner, Ph.D.*, Center for Ocean Solutions;
 Nathan Bennett, Ph.D., University of British Columbia;
 Timothy Frawley, Stanford University; Julia Mason,
 Stanford University; Crystal Ng, Stanford University;
 Rosana Ourens, Ph.D., Stanford University; Katherine
 Seto, University of California, Berkeley; Dana
 Wingfield, Ph.D., Stanford University, *Reconstructing
 Malthusian Overfishing for Constructive Solutions.*

3486. International Investments, Urban Bias and Knowledge I

- Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Pengfei Li; Harald Bathelt, University of
 Toronto
 CHAIR(S): Weidong Liu, Chinese Academy of Sciences
1:20 Patrick Serge Cohendet*, HEC Montreal; laurent simon,
 HEC Montréal; david grandadam, HEC Montréal,
*Managing distributed creativity: the case of video-
 game production.*
1:40 Liang-Chih Chen*, National Taiwan University; Heng-
 Wen Chen, National Taiwan University, *Learning
 technologies and building institutions: The
 development of M-team in Taiwan's machine tool
 cluster.*
2:00 Pengfei Li*; Harald Bathelt, University of Toronto,
*Knowledge Complementarity, Clusters and Investment
 Networks.*
2:20 Tu Lan*, University of New Hampshire; Christian Sellar*,
 University of Mississippi; Ulrich Ermann, University
 of Graz, *The bureaucratic infrastructure enabling
 states/GPN intersections: examples from Italy and
 China.*
2:40 Manuel Rimkus, Representation of the Free State of Bavaria
 to the European Union; Hans-Martin Zademach*,
 Catholic University Eichstätt-Ingolstadt, *Reaching new
 territory with delegation trips - Empirical findings and
 conceptual considerations on an established practice
 of foreign trade promotion.*

3487. Gail Hobbs Student Paper Competition (Sponsored by Geography Education Specialty Group)

- Room: Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Larianne Collins, University of South Carolina
 CHAIR(S): Larianne Collins, University of South Carolina
 Introducer: Larianne Collins
1:40 Forrest J Bowlick*, Texas A&M University, *Valuable
 Components of CyberGIS: Expert Viewpoints through
 Q-Method Interviews.*
2:00 Thomas R. Craig*, Oklahoma State University, *Perceptions
 and Practices: Employers, Educators, and Students on
 GIS Internships.*
2:20 K. Colton Flynn, M.A.*, Oklahoma State University,
*An Experiential-Based Learning Method Aiming to
 Improve Spatial Awareness.*
 Discussant(s): Larianne Collins, University of South Carolina

3488. Journeying Young People: Practices, Methods, Experiences, Desires 1 - Journeying, Belonging and Identities (Sponsored by Cultural Geography Specialty Group)

- Room: Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Tracey Skelton, National University of
 Singapore; Amy Aileen Donovan, University of Oxford
 CHAIR(S): Amy Aileen Donovan, University of Oxford
 Introducer: Tracey Skelton
1:40 Tracey Skelton*, National University of Singapore,
*Narratives of Journeying: Complexities of Relationality
 and Subjectivities Among Young Aucklanders and
 Singaporeans.*
2:00 Gabrielle Desilets, Ph.D.*, Institut National de la Recherche
 Scientifique-Urbanisation, Cultures, Sociétés, *Third
 Culture Kids' Journeys: Identifying with 'Those Who
 Move'.*
2:20 Hayley Sparks*, The University of Auckland, *Growing up
 privileged: young people's journeys and negotiation of
 identity.*
2:40 Sean Gill*, Newcastle University, UK, *Transitions to
 adulthood: young Poles' experiences of migration and
 life in Northumberland.*

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Poster Sessions for Thursday are located on pages 236-242.

3501. Landscapes of Memory (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, Cultural Geography Specialty Group)

- Room:* Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Peter Kabachnik, College of Staten Island - CUNY
 CHAIR(S): Peter Kabachnik, College of Staten Island - CUNY
3:20 Eri Kitada*, The University of Tokyo, *Naming for Public History: Street Co-Naming in Changing New York.*
3:40 Trushna Parekh*, Texas Southern University, *The Tomb of the Unknown Slave.*
4:00 Daniel James*, London School of Economics, *Turning Butler's frames around: on the ungrivable lives of the disappeared in Argentine collective memory.*
4:20 Diana Ter-Ghazaryan*, University of Miami; Sarhat Petrosyan, urbanlab Yerevan; Nvard Yerkanian, *OtherYerevan.am: Participatory Mapping and Preservation of Cultural Heritage in an Online Virtual Museum.*
4:40 Peter Kabachnik*, College of Staten Island - CUNY, *Traces of Stalin: Divergent Attitudes to Soviet Symbols in Post-Soviet Georgia.*

3502. The William L. Garrison Award and Tribute Sessions

- Room:* Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
3:20 PM Welcome and Introductions, Elizabeth Wentz, Arizona State University
3:30 PM Introduction of previous winners of the William L. Garrison Award for Best Dissertation in Computational Geography
3:40 PM Presentation by the winner of the 2016 William L. Garrison Award for Best Dissertation in Computational Geography, Dr. Ying Song (University of Minnesota) on *Green Accessibility in Time Geography; Estimating the Environmental Costs of Space-time Prisms for Sustainable Transportation Planning*
4:10 PM Discussion of 2016 Garrison Award paper
4:20 PM Dr. Stéphane Joost, initial Garrison awardee and current Garrison Award Committee Member, will deliver a presentation, *The geographic dimension of genomic diversity: from genome scans to whole-genome sequence data.*
4:40 PM Discussion of Joost paper
4:50 PM Session Short Break
 Formal memorial presentations to commemorate William L. (Bill) Garrison's life and work in geography will follow shortly after conclusion of the award segment of the session.
5:20 PM The session will resume with three short presentations addressing Bill Garrison's work and impact upon both geography and transportation. These will be followed by a reception, permitting the assembled participants and guests to pay tribute to and share their reminiscences of Bill either over the microphone or among themselves. (*Refreshments will be served.*)
5:30 PM Three short presentations by Brian Berry (University of Texas at Dallas), Duane Marble (Ohio State), and Elizabeth Deakin (UC Berkeley).
6:10 PM Informal reception begins
 *** Continued into next slot, 3602

3503. Appreciating Geography as Powerful Disciplinary Knowledge in Schools (B) (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

- Room:* Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Michael N. Solem, American Association of

Geographers

- CHAIR(S): Sirpa Tani, University Of Helsinki
3:20 Tine Béneker*, Tine Béneker, Utrecht Universit, *The development of powerful disciplinary knowledge in Dutch geography education.*
3:40 Péter Bagoly-Simó*, Humboldt-Universitaet zu Berlin, *What Geography is made of: An international comparison of subject-specific knowledge in geography curricula.*
4:00 Naoyuki ITO*, Naruto University of Education, *Powerful Disciplinary Knowledge in the Japanese Social Studies Lessons.*
4:20 Gabriel Bladh*, Karlstad University, *Powerful geographical knowledge in practice - exemplary cases for developing geographical thinking.*
 Discussant(s): David Lambert

3504. Accessing public space 4: The politics of public space (Sponsored by Urban Geography Specialty Group)

- Room:* Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Kristin Reichborn-Kjennerud, The Oslo and Akershus University College of Applied Sciences; Per Gunnar Røe, University of Oslo, Department of Sociology and Human Geography
 CHAIR(S): Kristin Reichborn-Kjennerud, The Oslo and Akershus University College of Applied Sciences
3:20 Ingar Brattbakk*, Work Research Institute, Oslo and Akershus university College, *The Consequences of Social Mix in an Inner City Area; the Role of Local Resident-Organizations.*
3:40 Ute Lehrer*, York University, *Public space reconsidered: the proliferation of condominium towers.*
4:00 Piper Gaubatz, Professor*, University Of Massachusetts, *Beyond Tian'anmen: Public Space and the Transformation of China's Urban Squares.*
4:20 Kristin Reichborn-Kjennerud*, The Oslo and Akershus University College of Applied Sciences; Daniel Sorando, Universidad Complutense; Ingar Brattbakk, The Oslo and Akershus University College of Applied Sciences, *Gentrification and social accountability.*
4:40 Pelin Asci*, York University, *Nation Building through Urbanization: The Case of Turkey.*

3505. Getting Funded vs Staying Funded: Former NSF Program Officers Speak Out on Strategic Proposal Submission & the State of Science Funding (Sponsored by AAG Jobs and Careers Theme)

- Room:* Golden Gate 5, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Kelley A. Crews, University of Texas - Austin
 CHAIR(S): Kelley A. Crews, University of Texas - Austin
 Discussant(s): Kenneth R. Young, University of Texas at Austin; Scott M. Freunds Schuh, University of New Mexico; Antoinette MGA. WinklerPrins, Johns Hopkins University; Kelley A. Crews, University of Texas - Austin

3506. Why Does Everyone Think Cities Can Save the Planet? 4. The Environmental Politics of Collective Consumption (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

- Room:* Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Wachsmuth, New York University; Hillary Angelo, University of California Santa Cruz
 CHAIR(S): Hillary Angelo, University of California Santa Cruz
3:20 Sergio Montero*, Universidad De Los Andes, *Leveraging Bogotá: Sustainable Development, Global Philanthropy and the Increased Speed of Urban Policy Circulation.*
3:40 Jennifer L. Rice*, The University of Georgia; Shreya Ganeshan, University of Georgia; Kshama Sawant,

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Seattle City Councilmember, *What good is a low carbon city if no one can afford to live there?*.

4:00 Daniel Aldana Cohen*, NYU, *Saving the Sustainable City from Itself: Carbon, Collective Consumption, and 21st Century Urbanization*.

4:20 Eliot Tretter*, University of Calgary, *Is Density the Problem?*.

4:40 Keith Harris*, University of Washington, *From Grunge to Glimmer: Building the New Seattle*.

3507. Greenland Is Melting Away: Perspectives from the Field

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Vena W. Chu, UCLA; Thomas L. Mote, University of Georgia

CHAIR(S): Vena W. Chu, UCLA

Panelists: Laurence C. Smith, University of California - Los Angeles; Vena W. Chu, UCLA; Josh Haner, The New York Times; Derek Watkins, The New York Times

This session presents the researchers, cartographer, and photographer who contributed to the recent New York Times article, "Greenland Is Melting Away." Panelists will bring their perspectives from working on the Greenland Ice Sheet tracking meltwater runoff through a large supraglacial river and presenting the science to a greater audience.

3509. 2016: The International Year of Global Understanding - Featured Session

Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)

Organizers: **John Wertman**, American Association of Geographers

Chair: **Douglas Richardson**, American Association of Geographers

Introduction: **John Wertman**, American Association of Geographers

Panelists:

Benno Werlen, University of Jena

Jack Dangermond, Esri

Farhana Sultana, Syracuse University

Ronald F. Abler, International Geographical Union

Lee R. Schwartz, US Department of State

Gary Knell, National Geographic Society

Douglas Richardson, American Association of Geographers

The International Council of Scientific Unions (ICSU), the International Social Science Council (ISSC) and International Council for Philosophy and Human Sciences (CIPSH) have jointly declared 2016 as the International Year of Global Understanding (IYGU). The aim of IYGU is to promote better understanding of how the local impacts the global in order to foster smart policies to tackle critical global challenges such as climate change, food security, conflict resolution and migration.

The AAG is the North American hub for IYGU activities, and this high-level session will bring together leaders from the Association, the International Geographical Union, Esri, National Geographic Society, and others to lead a discussion on how we and the IYGU can identify meaningful activities to help realize important goals of IYGU.

3510. Disrupt Geo 2: new ideas from the front lines of maps, mobile, and big data

Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Alan McConchie, University of British Columbia / Stamen Design; Renee Sieber, McGill University

CHAIR(S): Renee Sieber, McGill University

Introducer: Renee Sieber

Discussant(s): Agnieszka Leszczynski, University of Auckland

Panelists: Song Gao, UC Santa Barbara; Till Straube, Goethe University Frankfurt; Drew Dara-Abrams, Mapzen; Paul Mach, Strava

3520. Cultural geographies annual lecture: Urban Atmospheres (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Tim Cresswell, Northeastern University; Dydia DeLyser, California State University, Fullerton

CHAIR(S): Dydia DeLyser, California State University, Fullerton

Introducer: Deborah Thien

3:30 Matthew Gandy*, University of Cambridge, *Urban atmospheres*.

3521. Managing Projects on Indigenous Lands: Conflicts and Challenges between Indigenous Peoples and Dominant Societies: (Sponsored by Indigenous Peoples Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Cameron Owens, University of Victoria

3:20 Melissa Jane Nursey-Bray*, University of Adelaide,

Integration or co-existence? Managing water, cultural indicators and Indigenous governance in Australia.

3:40 Madeline Whetung*, University of Toronto, *Between Water and Land: Jurisdiction and the making of property in Mississauga Nishnaabeg territory*.

4:00 Ya-Hung Huang*, Department of Geography, National Taiwan Normal University, *Uncovering and Weaving the Hidden Layers: Indigenous Traditional Lands Rights behind the Cultural Heritage of Sugar Industry*.

4:20 Nicolas Houde*, Université du Québec à Montréal, *New traditional practices in territorial governance : the revitalisation of customary indigenous rights*.

4:40 Cameron Owens, PhD*, University of Victoria, *Politics, Sacred Space, and Environmental Assessment*.

3522. Cognition, Visualisation and User Issues, II (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Amy Griffin, UNSW Canberra; Alexander Savelyev, The Pennsylvania State University

CHAIR(S): Anthony C. Robinson, Pennsylvania State University

3:20 Robert E. Roth*, UW-Madison, *Cartographic Design as Visual Storytelling*.

3:40 Menno-Jan Kraak*, University of Twente / ITC; Irma Kveladze, Dr., Georgian University, Tbilisi / Palacký University, Olomouc, *Storytelling with the Space-Time Cube*.

4:00 Xiaoling Wang*, Faculty of Geo-Information Science and Earth Observation, University of Twente; Corné P.J.M. van Elzakker, Faculty of Geo-Information Science and Earth Observation, University of Twente; Menno-Jan Kraak, Faculty of Geo-Information Science and Earth Observation, University of Twente, *Spatial and Temporal Cognition with a Mobile Augmented Reality Application in an Urban Geography Fieldwork Setting*.

4:20 Antoni B Moore*, University of Otago, School of Surveying, *The ART cube: a conceptual model for geographic representations*.

4:40 William Cartwright, PhD, EdD*, RMIT University, *Future cartographies: neo-cartography or neo-luddite?*.

3523. Professional Development in Geography Education (Sponsored by AAG Jobs and Careers Theme)

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Geography Education

CHAIR(S): Lindsay Michelle Brendis, University of South Florida

3:20 Jeffrey W. Lash*, University of Houston Clear Lake,

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- Geo-what? Exploring Best Practices for Teacher Professional Development in Geospatial Technology.*
- 3:40** Xi Xiang*, East China Normal University; Yushan Duan, East China Normal University, *Using Web Mapping Tools to Nurture Spatial Literate Student Teachers: Improving Geography Teacher Quality for Less Developed Regions in China.*
- 4:00** Joann Zadrozny*, Texas State University, *Geospatial Enrichment Modules for STEM Education.*
- 4:20** Joseph P. Stoltman, Dr.*, Western Michigan University; Jino Kwak, Ph.D., Northeast Asian History Foundation, *International Study for APHG Teachers: Toponyms, Geopolitics, and Engagement.*
- 4:40** Lindsay M Brendis*, University of South Florida- Saint Petersburg; Rebecca Johns-Krishnaswami, University of South Florida- Saint Petersburg; Barnali Dixon, University of South Florida- Saint Petersburg, *An Analysis for the Enhancement of the Use of GIS in Secondary Education in Florida.*
- 3526. Career Strategy Series #2: Resume and Cover Letter Writing (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Niem Huynh, American Association of Geographers
 CHAIR(S): Niem Huynh, American Association of Geographers
 Panelists: Niem Huynh, American Association of Geographers
- 3527. The GISP and Professionalism from a Student Perspective (Sponsored by AAG Jobs and Careers Theme)**
Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers; Bill Hodge, GISCI
 CHAIR(S): Bill Hodge, GISCI
3:20 Bill Hodge, GISCI
- 3528. Spatiotemporal Symposium: Geovisual Analytics || (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Wei Luo, Arizona State University; Min Chen, Institute of Space and Earth Information Science, CUHK; Eun-Kyeong Kim, The Pennsylvania State University
 CHAIR(S): Wei Luo, Arizona State University
3:20 FU REN*, Wuhan University; Qingyun du, Wuhan University, *Online Thematic Cartography in the Context of Smart City.*
3:40 Brent Chamberlain, Ph.D.*, Kansas State University; Howard Hahn, Kansas State University; Yue Liu, Vireo; Natalie Webb, Allworth Design; Kraig Weber, Kansas State University; Ryan Albracht, Kansas State University, *3D/4D Visualization, Representation and Photorealism to support scientific exploration and communication.*
4:00 Robert Edsall*, Idaho National Laboratories; Shane J. Cherry, Idaho National Laboratories, *Innovations and Applications of Geovisual Analytics in US Critical Infrastructure Protection.*
4:20 Markus Rasmusson*, Lund University; Nicklas Guldåker, Lund University; Per-Olof Hallin, Malmö University, *Urban Safety and Security in the City of Malmö - Using Geovisualization to Create a Common Understanding of Spatial Problems.*
4:40 Wei Luo*, Arizona State University; Ross Maciejewski, Arizona State University, *Climate Change Visual Analytics.*
- ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro; Joe Weber, University Of Alabama; Nastaran Pour Ebrahim, The University of North Carolina at Greensboro
 CHAIR(S): Nastaran Pour Ebrahim, The University of North Carolina at Greensboro
3:20 Koji Ohnishi*, University of Toyama, *Conflict between school route safety and children's activities.*
3:40 Panagiotis Mavros*, Centre for Advanced Spatial Analysis, The Bartlett, University College London; Andrew Hudson Smith, Prof, Centre for Advanced Spatial Analysis, The Bartlett, University College London; Martin Zaltz Austwick, Dr, Centre for Advanced Spatial Analysis, The Bartlett, University College London, *Exploring pedestrian decision-making through mobile EEG.*
4:00 Nastaran Pour Ebrahim*, The University of North Carolina at Greensboro; Selima Sultana, The University of North Carolina at Greensboro; Hyojin Kim, University of North Carolina at Greensboro, *A Geographical Assessment of the importance of Route Connectivity for Active Transportation Modes to School.*
- 3530. Capturing Uncertainty in Computing- and Data-Intensive Spatial Decision-Making (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Hao Hu, University of Illinois; Guofeng Cao, Texas Tech University; Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Hao Hu, University of Illinois
3:20 Hao Hu*, University of Illinois; Shaowen Wang, University of Illinois at Urbana Champaign; Tao Lin, University of Illinois at Urbana Champaign, *An Integrated Approach for Spatiotemporal Uncertainty Modeling and Spatial Optimization.*
3:40 Christoph Martin Erlacher*, CUAS; Seda Salap-Ayca, SDSU; Piotr Jankowski, SDSU; Karl-Heinrich Anders, CUAS; Gernot Paulus, CUAS, *Pralllel Concept of Spatially Explicit Uncertainty and Sensitivity Analysis.*
4:00 Hyowon Ban*, California State University, Long Beach, *Representing uncertain boundaries of ocean features.*
- 3531. Remote Sensing Student Honors Paper Competition I (Sponsored by Remote Sensing Specialty Group)**
Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Shuvankar Ghosh, University of Georgia
 CHAIR(S): Shuvankar Ghosh, University of Georgia
3:20 Amelia C Sosnowski*, University of North Carolina - Wilmington; Eman Ghoneim, University of North Carolina - Wilmington, *Remote Regions, Remote Data: A Spatial Investigation of Precipitation and Dynamic Land Covers in the Sudd wetland of South Sudan.*
3:40 Arthur Elmes*, Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA; John Rogan, Ph.D., Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA; Christopher Williams, Ph.D., Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA; Samuel Ratick, Ph.D., Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA; David Nowak, Ph.D., USDA Forest Service Northern Research Station; Deborah Martin, Ph.D., Graduate School of Geography, Clark University, 950 Main Street, Worcester, MA, *Effects of Urban Tree Canopy Loss on Land Surface Temperature Magnitude and Seasonality.*
4:00 Tengyun Hu*, Tsinghua University, *Detailed land use mapping of Beijing based on medium-resolution satellite images and Point of Interest data.*
- 3529. On Foot and/or Bicycle (Sponsored by Transportation Geography Specialty Group)**
Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)

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- 4:20** Peng Fu*, Indiana State University; Qihao Weng, Indiana State university, *Consistent Land Surface Temperature Data Generation from Irregularly Spaced Landsat Imagery*.
- 3532. Global Value Chains, Firms, Routines, Globalization and All That: Beyond Partial Theory and Economic Geography (1) (Sponsored by Economic Geography Specialty Group)**
Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): John R. Bryson, University of Birmingham; Vida Vanchan, SUNY Buffalo State
 CHAIR(S): Vida Vanchan, SUNY Buffalo State
3:20 John R. Bryson*, University of Birmingham, *Beyond Partial Theory: Business Models and Evolutionary Economic Geography*.
3:40 Ronald V. Kalafsky*, University of Tennessee, *How can SMEs access export markets? Explorations from North West England*.
4:00 Andrew Jones*, City University London; Patrik Ström*, University of Gothenburg, *The Significance of Translation practice to Global Management: a new management geography perspective*.
4:20 Mario Mighty, Ph.D.*, University of North Alabama, *Staying Alive: Maintaining Economic Sustainability in the Jamaica Coffee Industry*.
 Introducer: Vida Vanchan
 Discussant(s): Susan M. Christopherson, Cornell University
- 3533. Myanmar in Transition. Perspectives on Social, Economic, Political and Spatial Changes (3) (Sponsored by Asian Geography Specialty Group)**
Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Marion SABRIE, EHES/CASE; Chung-Tong Wu, Western Sydney University; Xiaobo Su, University of Oregon
 CHAIR(S): Chung-Tong Wu, Western Sydney University
3:20 Hilary Oliva Faxon*, Cornell University, *Form 7: Mapping the Margins of New Myanmar*.
3:40 Tani Sebro*, University of Hawaii - Manoa, *Necromobility/Choreomobility: Dance, Death and Displacement in the Thai-Burma Border-Zone*.
4:00 Indre Balcaite*, School of Oriental and African Studies, University of London, *Myawaddy-Mae Sot borderland over three decades: the emergence of a transborder space from illegality*.
4:20 Kimberly Roberts*, York University, *Transitioning Watershed Governance along the Salween River Basin*.
 Discussant(s): Xiaobo Su, University of Oregon
- 3534. Theorizing the State (1): State and the Reproduction of Capital**
Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Karl Beitel; Raju J. Das, York University
 CHAIR(S): Raju J. Das, York University
3:20 F. T. C. Manning*, CUNY Graduate Center, *Such Thing as a State: Structural necessity vs. the "Relative Autonomy" of the Political*.
3:40 Bernd Belina*, Goethe University Frankfurt, *On the Institutionalization of the Region: Structured Coherence and Selective Condensations*.
4:00 Karl Beitel*, Director, Public Bank Project; Visiting Fellow, Roosevelt Institute, *Can the State Serve as a Site of Anti-Systemic Resistance to the Logic of Capital? An Analysis of the "State-Central Bank Complex", and Some Lessons from the Sovereign Debt Crisis and Anti-Austerity Struggles in Europe*.
4:20 Raju J. Das*, York University, *How real is capital's geographical threat?: Critical reflections on the state and class from the vantage point of the ontology of internal relation*.
4:40 Susan Ruddick, Professor*, University of Toronto, *Another Urban is Possible*.
- 3537. Digital Border Struggles: Technologies for and against Migration Management (Sponsored by Political Geography Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Camilla Hawthorne, University of California - Berkeley
 CHAIR(S): Simone Browne
3:20 Felicity Amaya Schaeffer, Associate Professor*, UC Santa Cruz, *"Remote Identification: Criminalizing the 'Hidden Intent' of Migrant Embodiment"*.
3:40 Andrea L. Miller*, University of California - Davis, *The Territory of Threat: Bodies, Borders, and the Algorithmic Logic of U.S. Drone Warfare*.
4:00 Maurice Stierl, Dr*, University of California, *Solidarity Interventions in the Mediterranean - The WatchTheMed Alarm Phone*.
 Discussant(s): Simone Browne
- 3538. Sharing Economies: The Struggle for Consolidation 2. Transition (Sponsored by Economic Geography Specialty Group)**
Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Peter Pelzer, Utrecht University; Gernot Grabher, HCU Hamburg; Koen Frenken, Utrecht University
 CHAIR(S): Gernot Grabher, HCU Hamburg
3:20 Dominika Wruk*, University of Mannheim; Jennifer Klutt, University of Göttingen; Indre Maurer, University of Göttingen; Philipp Mosmann, University of Göttingen; Achim Oberg, University of Mannheim; Tino Schöllhorn, University of Mannheim, *Sharing Economy Models: A conceptual framework and empirical tool for systemizing business models of sharing economy organizations (SEOs)*.
3:40 Piergiuseppe Morone*, Unitelma-Sapienza University of Rome; Pasquale Marcello Falcone, University of Ancona; Enrica Imbert, Sapienza University of Rome; Andrea Morone, University of Bari and University of Castellon, *Tackling Food Waste through a sharing economy approach: an experimental analysis*.
4:00 Francesco Pasimeni*, SPRU - University of Sussex, *Adoption and diffusion of shared goods in consumers' coalitions. An agent-based simulation*.
4:20 Christoph Mazur*, Imperial College London; Elena Denaro, London School of Economics, *Transitions Pathways to Alternative Sharing Economies: a multi-level perspective*.
4:40 Vadim Grinevich*, University of Southampton; Franz Huber, University Seeburg Castle, *Upscaling in the sharing economy: socio-technical enablers and constraints*.
- 3539. Spatial Optimization and Analysis II (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development; Ran Wei, University of Utah
 CHAIR(S): Ran Wei, University of Utah
3:20 Insu Hong*, Department of Geology and Geography, West Virginia University; Alan Murray, University of California at Santa Barbara, *Deriving Obstacle-aware Service Coverage with Obstacles using Euclidean Shortest Path*.
3:40 Xin Feng*; Alan Murray, *Street light coverage optimization*.
4:00 Aaron T Pulver*, University of Utah; Ran Wei, PhD, University of Utah, *A location model for siting medical drones to reduce EMS response times for cardiac arrest*.
4:20 Qing Zhong*, School of Geography and Development, University of Arizona; Daoqin Tong, School of

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Geography and Development, University of Arizona; Neng Fan, Systems and Industrial Engineering, University of Arizona, *A GIS-based Assessment of Solar Energy Potential*.

4:40 Alan T. Murray*, University of California at Santa Barbara, *Optimizing school summer break scheduling*.

3540. Producing Vulnerabilities 4: Contesting Exclusions - Roundtable Discussion

Room: Union Square 13, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Tad Mutersbaugh, University of Kentucky; Christopher Bacon, Santa Clara University
CHAIR(S): Tad Mutersbaugh, University of Kentucky
Introducer: Christopher Bacon
Panelists: Robert A. Rice, Smithsonian Institution; Bradley Wilson, West Virginia University; Catherine Tucker, Indiana University; Ileana Diaz, Consuelo Guayara Sanchez, University of Iowa; Iris Stewart-Frey; Claudia A. Radel, Utah State University

3541. Profiling, b/ordering, and the political work of pedagogy II (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Union Square 14, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Nicholas Jon Crane, Ohio Wesleyan University; Sutapa Chattopadhyay, UNU-Merit & Maastricht University
CHAIR(S): Nicholas Jon Crane, Ohio Wesleyan University
Discussant(s): Sutapa Chattopadhyay, UNU-Merit & Maastricht University
Panelists: Brian Jordan Jefferson, University of Illinois Urbana Champaign; Jack Norton, CUNY Graduate Center; Emily R. Mitchell-Eaton, Syracuse University; Farhang Rouhani, University of Mary Washington

3542. Ethnic Geography Specialty Group Honors Professor Dave Kaplan (Sponsored by Ethnic Geography Specialty Group)

Room: Union Square 15, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh; Carlos Teixeira, University of British Columbia Okanagan
CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan
Introducer: Heike Alberts
Panelists: David H. Kaplan, Kent State University; Steven R. Holloway, University Of Georgia; Rajrani Kalra, California State University - San Bernardino; Velvet Nelson, Sam Houston State University; Qingfang Wang, University of California, Riverside; Wei Li, Arizona State University

3543. Relational Poverty 8: Distribution with Dignity: Lessons from Food Banks in the Rural and Urban West

Room: Union Square 16, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Jennifer Sherman, Washington State University
CHAIR(S): Victoria A. Lawson, University of Washington
Panelists: Lucy Jarosz, University of Washington; Sarah Whitley, California State University, Fresno; Jennifer Sherman, Washington State University; Rayna Sage, Washington State University

3544. Conversations Between STS and Agri-Food: The Global Geography of Knowledge-Making and Use. Part 2 (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Alastair Iles, UC Berkeley; Maywa Montenegro, ESPM, UC Berkeley; Garrett Graddy-Lovelace, American University School of International Service
CHAIR(S): Garrett Graddy-Lovelace, American University School of International Service
Panelists: Garrett Graddy-Lovelace, American University School

of International Service; Maywa Montenegro, ESPM, UC Berkeley; Marvin Joseph Fonacier Montefrio, Yale-NUS College; Liz Carlisle, UC Berkeley; William G. Moseley, Macalester College; Rachel Bezner Kerr, Cornell University

3545. Symposium on Human Dynamics Research: Urban Analytics (II)

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Nick Malleon, University of Leeds; Andrew Crooks, George Mason University; Seth E. Spielman, University of Colorado
CHAIR(S): Paul A. Longley, University College London
3:20 Qing Lu*, University of Waterloo, *Potential and challenges of mobile technologies in the public sector: a case study of 311 requests in Edmonton, Canada*.
3:40 Juanjuan Zhao*, Munich University of Technology; Michael Bentlage, Munich University of Technology; Alain Thierstein, Munich University of Technology, *When knowledge-workers trade off workplace, residence and commute: inter-dependent choices in the metropolitan region of Munich*.
4:00 Martin Clarke*, University of Leeds, *Big Data: Validating the veracity of spatially referenced consumer related data sets*.
4:20 Geoff Boeing*, University of California - Berkeley; Paul Waddell, University of California - Berkeley, *Understanding housing markets through Craigslist rental listings data*.
4:40 Heike Flämig*, Hamburg University of Technology; Christian Matt, Hamburg University of Technology; Sören Christian Trümper, Hamburg University of Technology; Jutta Wolff, Hamburg University of Technology, *Mobility behavior of companies in urban areas: A triangulation approach using questionnaire-based surveys, repertory grid technique and GPS-based trip data*.

3546. History of Geography Specialty Group Plenary: International Perspectives on Teaching the History of Geography (Sponsored by History of Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Guntram Herb, Middlebury College
CHAIR(S): Guntram Herb, Middlebury College
Introducer: Guntram Herb
Panelists: Boris Michel, Universität Erlangen-Nürnberg; Takashi Yamazaki, Osaka City University; Jorn Seemann, Ball State University; Elena Dell'Agnese, Università Di Milano-Bicocca; James Sidaway, National University of Singapore

3547. Hurricanes 4 (Sponsored by Coastal and Marine Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
CHAIR(S): Harry Williams, University of North Texas
3:20 Lauren E. Gentile, MELP*, School of Human Evolution and Social Change, Arizona State University, *Sea & Storms: The Biophysical Vulnerabilities of Cape Cod, MA*.
3:40 Edward Helderop*, Arizona State University; Tony H. Grubestic, Arizona State University, *Storm Surge, Community Vulnerability and Infrastructure Disruption: Quantifying Divergent Effects along the Atlantic Coast of Florida*.
4:00 Thomaz Maia Carvalhaes, B.S. Environmental Science*, Oak Ridge National Laboratory; Olufemi A. Omitaomu, Ph.D., Oak Ridge National Laboratory, *Profiling Populations at Risk Due to a Changing Climate in Coastal Areas of North America*.
4:20 Lawrence A. McGlinn*, SUNY - New Paltz, *Lessons*

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learned from Hurricane Sandy: Who was unscathed?.

- 3548. Medical and Health Geography, Hazards and Vulnerability**
Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Dagmar Dzurova, Charles University, Czech Republic
- 3:20** Linh Anh Cat*, University of California - Irvine; Elisabeth Levac, Bishop's University, *Documenting the Occurrence of Blastomyces Dermatitidis in Soil and Air Samples of the Eastern Townships, Southern Quebec.*
- 3:30** Michala Lustigova*, Charles University in Prague; Dagmar Dzurova, Charles University in Prague, *Prevalence of disability and self-sufficiency among the elderly: The case of the Czech Republic.*
- 3:40** Forrest Scott Schoessow*, Utah State University; Yajie Li, Utah State University; Peter D. Howe, PhD, Utah State University, *Defining Vulnerable Populations and Exploring Socio-Environmental Predictors of Heat Wave Risk Perceptions.*
- 3:50** Yinxue Cao*, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University; Ming Wang, State Key Laboratory of Earth Surface Processes and Resource Ecology, Beijing Normal University, *Wildfire Susceptibility Assessment ?? Comparison of Multiple Methods.*
- 4:00** Yajie Li*; Forrest Schoessow; Peter D. Howe, *The Influence of Land Cover and Local Climate on Public Perceptions of Heat Wave Risk.*
- 4:10** Bo Liang*, Academy of Disaster Reduction and Emergency Management, Beijing Normal University, *The morphology and distribution of landslides of 2008 Wenchuan Earthquake.*
- 4:20** InSu LEE*, Spatial Information Research Institute, Korean Land And Geospatial Informatix Corporation; JunSeok LEE, Spatial Information Research Institute, Korean Land And Geospatial Informatix Corporation; HyeonDeok KIM, Spatial Information Research Institute, Korean Land And Geospatial Informatix Corporation, *The Study on Mapping of Storm and Flood Insurance Rate (SFIR) - Incheon metropolitan city, South Korea -.*
- 4:30** Ihnji Jon*, University of Washington, *Planning under Uncertainty: Radical planning and Post-disaster Community Resilience.*
- 4:40** Joshua Vande Hey, PhD*, University of Leicester, *Hot Spot Analysis For Reducing Human Exposure to Urban Air Pollution.*
- 4:50** Dagmar Dzurova*, Charles University, Czech Republic; Michala Lustigova, Charles University in Prague, *Successful Ageing among European Populations: Similarities and Differences.*
- 3549. Water Security? Critical Geographical Engagements II (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Jessica Budds; Alex Loftus, King's College London; Vanessa Empinotti, Federal University of ABC
 CHAIR(S): Wendy Elizabeth Jepson, Texas A&M University
- 3:20** Trevor Birkenholtz*, University of Illinois at Urbana-Champaign, *Surplus and Security: An Analysis of India's National River-linking Project.*
- 3:40** Wendy E. Jepson, Ph.D.*, Texas A&M University, *Water security, justice, and technology.*
- 4:00** Robert Patrick, PhD*, University of Saskatchewan, *Water (in)security and First Nations: Canada's colonial hydro-politic.*
- 4:20** Emma S. Norman*, Northwest Indian College, *The problem*

is blowing in the wind: Water (in)security, scalar politics, and environmental justice of atmosphere-surface exchangeable pollutants.

- 3550. Measuring Agricultural Landscapes and Processes (Sponsored by Rural Geography Specialty Group)**
Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Chris Laingen, Eastern Illinois University
 CHAIR(S): Laura Krauser
- 3:20** Morgen W.V. Burke*, University of North Dakota; Bradley C Rundquist, Ph.D., University of North Dakota; Paul E. Todhunter, Ph.D., University of North Dakota; Brett J. Goodwin, Ph.D., University of North Dakota, *Shelterbelt density dynamics and their driving forces in Grand Forks County, North Dakota, 1962 to 2014..*
- 3:40** Jeremy Sage*, Washington State University, *Field Yield: Wheat Field Level O-D Trip Generation Using CropScape.*
- 4:00** Syler Joy Behrens*, University of Wisconsin - Eau Claire; Cyril O Wilson, University of Wisconsin - Eau Claire, *A multitemporal, geospatial analysis of agricultural practices and hypoxic zone development in the Mississippi River Delta.*
- 4:20** Brendan E Gordon, M.S.*, University of Idaho, *Mapping Demand and Modeling Transportation Costs for Small Farms in Idaho.*
- 4:40** Laura Egan Krauser*, University of Louisville, *The State of Tobacco: A Remote Sensing Approach to Quantifying Tobacco Crop Production in Kentucky from 2004 - 2015.*
- 3551. Psychoanalysis and the Global 2: Cultural Anxieties**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Ilan Kapoor
 CHAIR(S): Paul T. Kingsbury, Simon Fraser University
- 3:20** Chizu Sato*, Wageningen University, *Empowering Third World Women: A Symptom of Development?.*
- 3:40** Anna J Secor*, University of Kentucky, *"I Love Death": War in Syria and the Anxiety of the Other.*
- 4:00** Japhy Wilson*, CENEDET, Quito, Ecuador, *The Surreal of Capital: Towards a Fantastical Materialism.*
- 4:20** Paul T. Kingsbury*, Simon Fraser University, *Close Encounters with Ufology: The University Discourse of UFO Conferences.*
- Discussant(s): Ilan Kapoor
- 3552. Beyond Internationalism II: More-than-national thinking at the twilight of Empire (1850-1950) (Sponsored by Political Geography Specialty Group, History of Geography Specialty Group, Historical Geography Specialty Group)**
Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Reshaad Durgahee, University of Nottingham; Benjamin Thorpe, University of Nottingham
 CHAIR(S): Benjamin Thorpe, University of Nottingham
- 3:20** Reshaad Durgahee*, University of Nottingham, *Subaltern careering: Re-imagining the transnational agency of Indian indentured labourers across the sugar islands of empire (1870-1916).*
- 3:40** Kris Alexanderson*, University of the Pacific, *Transoceanic Empire: Dutch Hegemony and Anti-Imperial Resistance in the Maritime World, 1918-1942.*
- 4:00** Uma Kothari*, University of Manchester, *Transnational networks of resistance: contesting colonial rule and the politics of exile.*
- 4:20** Andrew Davies*, University of Liverpool, *Internationalism and anti-colonialism - the translocal life of MPT Acharya.*
- 4:40** Michael Heffernan*, University of Nottingham, *Feeding the World? David Lubin, Olivia Rossetti Agresti, and the International Institute of Agriculture.*

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- 3553. Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 4 (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jennifer K. Sedell, University of California, Davis; Jeffrey Vance Martin, University of California - Berkeley
 CHAIR(S): Jeffrey Vance Martin, University of California - Berkeley
 3:20 Creighton Connolly*, Geography, University of Manchester, 'Not in Towns Please!': Contested political ecologies of 'swiflet farming' in George Town, Malaysia.
 3:40 Archie Davies*, King's College London, *Cultures of Nature, Non-human Presence and the Construction of Public Space in Lisbon, Portugal.*
 4:00 Yamini Narayanan*, Deakin University, *The 'Animal Turn' in Indian Urban Planning: Planning Theory 'Going to the Dogs'*.
 4:20 John-Henry Pitas*, University of Maryland - Baltimore County, *Pigeon fancy: charting the changes in an iconic urban species across space and time.*
 Discussant(s): Harold Alan Perkins, Ohio University
- 3554. Geographies of Media XII: Journalism and Newsmaking Geographies (Sponsored by Communication Geography Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Paul C. Adams, University of Texas at Austin; Laura Sharp, University of Arizona
 CHAIR(S): Paul C. Adams, University of Texas at Austin
 3:20 Gaurav Sinha*, Ohio University; Michelle Ferrier, Ohio University; Michael Outrich, Student, Ohio University, *Modeling and Mapping Media Deserts in the US.*
 3:40 Ray Sumner, PhD*, Long Beach City College, California, *True Photographs and False Narratives - Mobilities and Memories.*
 4:00 Charles Chang*, University of Wisconsin Madison; Melanie Manion, Duke University, *Contesting Censorship: Autocrats and Netizens in China.*
 Discussant(s): Paul C. Adams, University of Texas at Austin
- 3555. Preparing for the tenure-track job (Sponsored by Africa Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Joseph Terzungwe Zume, Shippensburg University; Godwin Arku, The University of Western Ontario; Raymond Asare Tutu, Delaware State University
 CHAIR(S): Isaac N. Luginaah, University of Western Ontario
 Panelists: Isaac N. Luginaah, University of Western Ontario; Leo Charles Zulu, Michigan State University; Francis Koti, University of North Alabama
- 3556. Urban parks and green spaces in the 21st century city (Sponsored by Recreation, Tourism, and Sport Specialty Group, Regional Development and Planning Specialty Group, Urban Geography Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Meredith Whitten, London School of Economics
 CHAIR(S): Meredith Whitten, London School of Economics
 3:20 Godwin Arku*, The University of Western Ontario; Hanson Nyantakyi-Frimpong, The University of Western Ontario, *Public Parks as Urban Infrastructure: Issues Affecting its Provision in Accra-Tema City-Region, Ghana.*
 3:40 Robert Argenbright*, University of Utah, *Moscow's Parks and Public Spaces: Progress or Palliative?*
 4:00 Clark Russell Taylor*, University of California - Los Angeles, *Public Park Space, Order and Progress in Belo Horizonte Brazil: The Erosion of the Parque Municipal through the 20th Century.*
- 4:20** Heather A Sander*, University of Iowa; Debarchana Ghosh, University of Connecticut; Cody B Hodson, University of Iowa, *Varying Associations between Body Mass Index and Urban Green and Blue Space.*
- 4:40** Meredith Whitten*, London School of Economics, *Urban green space as a Tardis? How the past influences the delivery and management of urban green space in 21st century London.*
- 3557. Mobilities, Mobility Justice and Social Justice II (Sponsored by Transportation Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University
 CHAIR(S): Nancy E. Cook, Brock University
 3:20 Suzanne Huot, PhD*, The University of Western Ontario; Andrea Bobadilla, PhD Candidate, University of Western Ontario; Antoine Bailliard, PhD, OTR/L, University of North Carolina at Chapel Hill; Debbie Laliberte Rudman, PhD, OT Reg. (Ont.), University of Western Ontario, *Social injustice of designations in the 'Protecting Canada's Immigration System Act': Producing differential mobility of asylum seekers.*
 3:40 Samuel Nowak*, University of California, Los Angeles, *The (Thin) Blue Line: Police and the Politics of Mobility in Los Angeles, CA.*
 4:00 Danielle Van Der Burgt*, Department of Education, University of Uppsala; Katarina Gustafson, Department of Education, Uppsala university; David Kronlid, Department of Education, Uppsala university; Helen Melander, Department of Education, Uppsala university, *Mobility as capability, informal learning and citizenship in mobile preschools.*
 4:20 Laurence Parent*, Concordia University, *Crippling methods: Conducting wheeling interviews in Montréal and New York City.*
 4:40 Cory Parker*, University of California - Davis, *Homeless trajectories: Mobility as a response to exclusion.*
- 3558. Challenges for Europe (Sponsored by Political Geography Specialty Group, European Specialty Group, Economic Geography Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Balázs Forman, Corvinus University of Budapest; Zoltán Gál, Kaposvár University; HAS Centre for Regional Studies,
 CHAIR(S): Balázs Forman, Corvinus University of Budapest
 3:20 Kenneth A. Johnson, Ph.D.*, SUNY-Oneonta, *Regionalism, Nationalism and the Future of the European Union.*
 3:40 Marcin Wojcik*, University of Lodz, Poland, *Smart villages: towards a neo-endogenous rural development. Case of Poland.*
 4:00 Denis Ceric*, Institute of Geography and Spatial Organization, Polish Academy of Sciences, *Dynamics Of Urban Tourism In Central And Eastern European Capitals.*
 4:20 Adrian J Bailey*, Hong Kong Baptist University; Dusan Drbohlav, Chales University; Joseph Salukvadze, Tbilisi State University, *European migration policy and transnational biopower: the case of Georgia.*
 4:40 Tomasz Komornicki*, Institute of Geography and Spatial Organization Polish Academy of Sciences, *International trade exchange as a factor shaping demand for transport infrastructure in Poland.*
- 3559. A Mobile Perspective: the Geography of Jean Gottmann (+ 1962 Megalopolis film) (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Panel Session)

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ORGANIZER(S): Luca Muscara, Universita del Molise; Jean-Paul Hubert, IFSTTAR
 CHAIR(S): David Lowenthal, University College
 Discussant(s): Thomas A. Hutton, University Of British Columbia
 Panelists: Luca Muscara, Universita del Molise; Alan K. Henrikson, The Fletcher School of Law and Diplomacy, Tufts University; Yasuo Miyakawa, Kyushu University; Jean-Paul Hubert, IFSTTAR; Jun Yamashita, Kyushu University; Olivier Labussiere, PACTE laboratory; Calogero Muscarà, Università di Roma La Sapienza

3560. Vegetation Dynamics II (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Parveen Kumar Chhetri, Texas A&M University; Jeremy Johnson, Texas A&M University
 CHAIR(S): Jeremy Johnson, Texas A&M University
 3:20 Nina Hewitt, PhD*, University of Toronto; Kenneth Hewitt, PhD, Wilfrid Laurier University, *Flora of the Central Karakoram 1914-2016: an Update, with Special Attention to Climatic Change and Human Landuse Effects.*
 3:40 Joan M. Welch*, West Chester University; Kathleen M. Rengert, M.A., West Chester University, *Serpentine Barrens in Pennsylvania: Historical Trends in Size and Endemic Species.*
 4:00 Matthew F. Bekker*, Brigham Young University; R Justin DeRose, USFS - Forest Inventory and Analysis, *The Effect of Aspect, Slope, and Elevation on Tree Distributions in the Interior West.*
 4:20 Daehyun Kim*, University of Kentucky; John A. Kupfer, University of South Carolina, *Tri-variate relationships among vegetation, soil, and topography along the gradient of fluvial biogeomorphic succession.*
 4:40 Jeremy S. Johnson*, Texas A&M University; Keith D. Gaddis, Ph.D., Texas A&M University; David M. Cairns, Ph.D., Texas A&M University; Konstantin V. Krutovsky, Ph.D., University of Göttingen, *Landscape resistance and forest response to Pleistocene glaciation in Alaska.*

3561. Physical Geography: Challenges of the “Anthropocene” (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Routledge, Hazards Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme)

Posters for this session can be found on pages 238-242.
 Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
 *** Continued into next slot, 3661

3562. Spatial Dynamics of Gender-Based Violence

Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ann Öhman, Umeå University
 3:20 Maaret Jokela-Pansini*, University of Berne, Switzerland
 Geographisches Institut, *Contextualising Violence against Women Human Rights Defenders in Honduras.*
 3:40 Christina Hunter*, Ohio Wesleyan University, *A Paradox of Desire: High Fashion Advertising and Geographies of Gender-Based Violence.*
 4:00 Charlotte Wrigley-Asante*, University of Ghana; Jane Amu Tornuxi, University of Ghana; Martin Oteng-Ababio, University of Ghana; George Owusu, University of Ghana, *Crime And Women’s Safety In Low-Income Urban Spaces In Ghana: A Case Study Of Nima In The Accra Metropolis.*
 4:20 Ann Öhman*, Umeå University, *Regional forms of Latin American masculinities and their relation to public health and gender equality.*

3563. The City Limits of Financialization (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Emily Rosenman, University of British Columbia - Vancouver, BC; Caroline Sage Ponder, University of British Columbia
 CHAIR(S): Emily Rosenman, University of British Columbia - Vancouver, BC
 3:20 Ludovic Halbert*, University Paris-Est (LATTS), *The texturization of capital and what it does to cities: a sociotechnical understanding of the financialization of urban production.*
 3:40 Sara Hinkley, PhD*, UC Berkeley, *Turning pensioners into creditors: the political alchemy of financialization.*
 4:00 Caroline Sage Ponder*, University of British Columbia, *Bonds, Bodies, and Securitized Urbanity.*
 4:20 Joe Beswick*, School of Geography, University of Leeds, *Financialised Regeneration: The Case of Public Housing in London.*
 4:40 Dimitar Anguelov*, UCLA, *Financialization of Entrepreneurial Urbanism.*

3565. CITY journal sessions #3: Amateur Urbanism (Sponsored by Routledge)

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Panel Session)
 ORGANIZER(S): Kurt Iveson, University of Sydney
 CHAIR(S): Bob Catterall, CITY
 Discussant(s): Kurt Iveson, University of Sydney
 Panelist: Andy Merrifield

3566. Speculative Critical GIS

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Panel Session)
 ORGANIZER(S): James Thatcher, University of Washington - Tacoma; David O’Sullivan, University of California, Berkeley; Luke R. Bergmann, University of Washington
 CHAIR(S): James Thatcher, University of Washington - Tacoma
 Panelists: Luke R. Bergmann, University of Washington; David O’Sullivan, University of California, Berkeley; Jen Jack Giesekeing, Trinity College; Craig M. Dalton, Hofstra University

3567. Mobility, Health, and the City II (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

Room: Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Michael J. Widener, University of Toronto; Debarchana Ghosh, University of Connecticut; Jerry Shannon, University of Georgia
 CHAIR(S): Michael J. Widener, University of Toronto
 3:20 Carolina Alejandra Rojas*, Universidad De Concepción; Antonio Paez, MC Master University; Olga Barbosa, Universidad Austral de Chile; Juan Antonio Carrasco, Universidad de Concepción, *Walking Accessibility to urban green spaces in two Chilean Cities.*
 3:40 Xuan Zhang*, University of Georgia; Lan Mu, University of Georgia, *Walkability analysis: the perceived and objective measures to evaluate walking environment on campus.*
 4:00 Calvin P Tribby*, Ohio State University; Harvey J Miller, Ohio State University; Barbara B Brown, University of Utah; Ken R Smith, University of Utah; Carol M Werner, University of Utah, *Changes in neighborhood walking: comparison between self-defined neighborhoods and activity spaces.*
 4:20 Nancy Ross*, McGill University; Rania Wasfi, PhD, McGill University; Kaberi Dasgupta, MD, McGill University Health Centre; Heather Orpana, PhD, Public Health Agency of Canada, *Moving to a Highly Walkable Urban Neighbourhood Alters Body Mass Index Trajectories.*
 Discussant(s): Michael J. Widener, University of Toronto

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- 3568. Bodies/spaces of new reproductive geographies II: Embodiment (Sponsored by International Geography, GIScience, and Urban Health Theme, Geographic Perspectives on Women Specialty Group, Population Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Monterrey II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Maria Fannin, University of Bristol; Helen Hazen, University of Denver
 CHAIR(S): Marcia R. England, Miami University
3:20 Katie Merkle*, Ohio University, *Blurring Boundaries: Exploring the Lived Experiences of Pregnant Graduate Students.*
3:40 Kate Boyer, PhD*, Cardiff University, *Lively Breast Milk: the diffusion of agency in understandings of breastfeeding.*
4:00 Amita Natiksha Bhakta, BA (Hons), MRes*, Loughborough University; Brian J Reed, BSc (Hons), PGDip, MSc, CEng, CEnv, Loughborough University; Julie Fisher, BA (Hons), MA, PhD, Loughborough University, *(Still) calling 'For menopause geographies': unveiling perimenopausal women's narratives through water, sanitation and hygiene.*
4:20 Maria Fannin*, University of Bristol, *Generative bodies: pregnancy and pathology in the medical museum.*
4:40 Ingvill Stuvøy*, Norwegian University of Science and Technology (NTNU), *At a heartbeat: Embodied money in transnational surrogacy arrangements.*
- 3569. Geographies of Aging 2: Health and Caregiving (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)**
Room: *Carmel I, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Jessica Finlay, University of Minnesota; Allison M. Williams, McMaster University; Rachel Herron, Brandon University
 CHAIR(S): Jessica Finlay, University of Minnesota
3:20 Tom C Russ, PhD MRCPsych*, University of Edinburgh; Laura Murianni, PhD, Health Statistics Unit, National Institute of Statistics, Italy; John M Starr, PhD FRCPEd, University of Edinburgh, *Geographical variation in dementia mortality in Italy and New Zealand: evidence for the influence of vitamin D.*
3:40 Gurveer Bains*, Queen's University; Mark Rosenberg, Queen's University, *Mixing health and geography: A study of risks associated with cardiovascular disease for the Punjabi Sikh population in the Regional Municipality of Peel.*
4:00 Rachel V Herron*, Brandon University; Mark W Rosenberg, PhD, Queen's University, *Caring for aggression in dementia: A preliminary investigation of older care partners' responses.*
4:20 Allison M. Williams, PhD*, McMaster University; Jenny Ploeg, PhD, McMaster University; Maureen Markle-Reid, PhD, McMaster University; Sunita Ghosh, PhD, University of Alberta; Wendy Duggleby, PhD, University of Alberta; Mathilda Choi, BSc, McMaster University choiw3@mcmaster.ca, *Employment of Caregivers of Older Persons with Multiple Chronic Conditions.*
 Discussant(s): Mark W. Rosenberg, Queen's University
- 3570. New approaches for understanding and responding to environmental health threats (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Jennifer Ohayon, Silent Spring
 CHAIR(S): Jennifer Ohayon, Silent Spring
3:20 Lara Cushing, MPH*, University of California - Berkeley, *Geo-spatial screening approaches to advance environmental health & justice.*
3:40 Rachel Morello-Frosch*, UC Berkeley, Dept of Environmental Science, Policy and Management, *Linking Citizen Science and Social Equity to Advance Sustainability: What's the Connection?.*
4:00 Ellen Kersten, PhD*, University of California, San Francisco, *Got health? Using spatial and temporal analysis to achieve health equity for children.*
4:20 Jennifer Ohayon, PhD*, Silent Spring Institute, *Reporting-back results of exposures to environmental contaminants to study participants.*
- 3572. Water Resources Sustainability in California II (Sponsored by Political Geography Specialty Group, Water Resources Specialty Group)**
Room: *Bay View Room, Hotel Nikko, 25th Floor* (Paper Session)
 ORGANIZER(S): Ruopu Li; Matthew Deitch, Center for Ecosystem Management and Restoration
 CHAIR(S): Matthew Deitch, Center for Ecosystem Management and Restoration
3:20 Ellen Doudna*, San Francisco State University; Leora Nanus, PhD, San Francisco State University, Department of Geography and Environment; Jason Gurdak, PhD, San Francisco State University, Department of Earth & Climate Sciences, *Using the Water-Energy-Food Nexus of fracking and irrigation wells to better inform sustainable groundwater management decisions in California.*
3:40 Marcia Rosalie Hale*, UCLA - California Center for Sustainable Communities; Stephanie Pincetl, MA, PhD, Founding Director, California Center for Sustainable Communities, *Conflict and Consensus in Defining Sustainability: The Los Angeles Metropolitan Area Water Infrastystem in Transition.*
4:00 Jessica Lee Schombert*, Allegheny College, *Neoliberalism and Climatic Maladaptation: Water Management Policy Alternatives in the Case of Contemporary California Agriculture.*
4:20 Rebecca Brady David*, University of South Florida; Graham A. Tobin, University of South Florida, *Sustainability of Water Policy in San Francisco, California.*
4:40 Matthew Deitch*, Center for Ecosystem Management and Restoration; Mia van Docto, Center for Ecosystem Management and Restoration, *Has water management worsened the impacts of drought in Mediterranean California streams?.*
- 3573. Geography of Wine 2: Production and Analysis (Sponsored by Wine Specialty Group)**
Room: *Peninsula Room, Hotel Nikko, 25th Floor* (Paper Session)
 ORGANIZER(S): Robert P. Sechrist, Indiana University of Pennsylvania
 CHAIR(S): Robert P. Sechrist, Indiana University of Pennsylvania
3:20 Andrew Millington, Professor*, Flinders University; Robert Keane, Flinders University; Vani Korisamanunu, Flinders University, *What's in a bottle? A geographical analysis of wine labelling in Australia.*
3:40 Trevor J. Smith, MSc candidate*, Department of Geography, Planning, and Environment, Concordia University, Montreal; H. Damon Matthews, PhD, Associate Professor, Department of Geography, Planning and Environment, Concordia University, Montreal, *Les Cépages des Autres Lieux: A spatiotemporal climatic analysis and estimation of viticultural suitability from 1960 to 2070 in Estrie, Montérégie, and the Vallée du Saint-Laurent, Québec using Open Source GIS Applications.*
4:00 Peggy Hauselt*, California State University - Stanislaus, *Recent Expansions of San Joaquin Valley Wine Grape Production.*
4:20 Brent Sams*, E&J Gallo Winery; Maegan Salinas, San Diego State University; Cody Litchfield, E&J Gallo

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Winery; Luis Sanchez, E&J Gallo Winery; Nick Dokoozlian, E&J Gallo Winery, *Mapping grapevine yield in California vineyards.*

4:40 François Legouy*, Université d'Orléans, *Wine exports in the world and in France : Multivariate analysis and mapping.*

3574. Geographers Respond to “An Ecomodernist Manifesto” (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Bellevue Room, Marker Hotel, Lobby Level (Panel Session)

CHAIR(S): David Lansing, University of Maryland - Baltimore County

Panelists: Kathleen McAfee, San Francisco State University; Leila Harris, University of British Columbia; Kirby Calvert, University of Guelph; Rinku Roy Chowdhury, Clark University; Michael Shellenberger, Breakthrough Institute

3575. Towards a Political-Industrial Ecology IV: Water (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: Paris North, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Jennifer Baka, London School of Economics; Joshua Cousins, University of Michigan; Joshua P. Newell, University of Michigan

CHAIR(S): Joshua P. Newell, University of Michigan

3:20 Marion Amalric*, Université de Tours - CNRS CITERES; Claudia Cirelli, CNRS CITERES, *Social representations of constructed wetlands: landscape and biodiversity issues facing phytoremediation.*

3:40 Maria Christina Fragkou*, Universidad de Chile, *Quantifying water related inequalities; use of the urban metabolism framework for the study of desalination's socio-environmental impacts.*

4:00 Caitlin A Mcelroy, DPhil*, Oxford University, *Capitalism, democracy, water, and mining corporations: understanding the tensions of managing the ecological and industrial transitions in Mongolia.*

4:20 Saravanan V. Subramanian*, Centre for Development Research, University of Bonn, Germany, *Socio-politics of everyday mobility and its health implication: A multi-scale spatial-temporal analysis of water-related diseases in Ahmedabad, India.*

Discussant(s): Stephanie Pincetl, UCLA

3576. The academic life and times of Ruth I. Shirey: geographer extraordinaire? a special session in honor of Ruth I. Shirey (Sponsored by Latin America Specialty Group, Geography Education Specialty Group, American Association of Geographers)

Room: Paris South, Marker Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Daniel A. Griffith, U. of Texas at Dallas; Janice Monk, University of Arizona; Xuan Shi, University of Arkansas

CHAIR(S): Janice Monk, University of Arizona

Panelists: Daniel A. Griffith, U. of Texas at Dallas; Kenneth E. Foote, University of Connecticut; Dorothy Drummond, Indiana State University; Xuan Shi, University of Arkansas; Janice Monk, University of Arizona; Rickie Sanders, Temple University; Gail Sechrist, Indiana University of Pennsylvania

3577. Climate Trends, Impacts and Perspectives (Sponsored by Climate Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Interactive Short Paper Session)

ORGANIZER(S): Jill S. M. Coleman, Ball State University;

Dagmar Budikova, Illinois State University

CHAIR(S): Jill S. M. Coleman, Ball State University

3:20 Jill S. M. Coleman*, Ball State University, *Nineteenth Century East-Central Indiana Weather: The Frederick E. Putnam Diaries.*

3:26 Burrell E. Montz*, East Carolina University; Thomas Allen, East Carolina University, *Climate Change and Coastal Infrastructure: Risks to Public Health.*

3:32 Kelsey N. Ellis*, University of Tennessee; Jon M. Hathaway, University of Tennessee; Lisa Reyes Mason, University of Tennessee, *The Knoxville Urban Observatory: Past, present, and future of urban microclimate analysis in Knoxville, Tennessee.*

3:38 Adrienne Katherine Tucker*, Pennsylvania State University, *Coupling atmospheric features and boundary layer conditions to generate a tool for predicting derecho development.*

3:44 Trent Ford*, Southern Illinois University; Justin Schoof, Southern Illinois University, *The Role of Soil Moisture in the Onset and Persistence of Equivalent Temperature Heat Wave Events.*

3:50 Tania Torres, California State University, Los Angeles; Freddy Hsu, California State University, Los Angeles; Alissa Magana, California State University, Los Angeles; Steve LaDochy*, California State University Los Angeles; Pedro Ramirez, California State University, Los Angeles; William Patzert, California Inst. of Technology, Jet Propulsion Laboratory, NASA, *Recent land use change and the urban heat island of metro Los Angeles.*

3:56 Kevin Law*, Marshall University; Joseph Fitzwater, Marshall University, *An Alternative Atlantic Hurricane Classification Index.*

4:02 Christopher A. Underwood*, University of Wisconsin-Platteville; Kendall R. Welch, University of Wisconsin-Platteville; Evan R. Larson, University of Wisconsin-Platteville; Thomas C. Wilding, University of Wisconsin-Platteville; Gregory J. Nowacki, United States Forest Service, Eastern Region; Amanda M. Carpenter, University of Wisconsin-Platteville, *A preliminary dendroclimatological study on the Paleozoic Plateau, Wisconsin, U.S.A..*

4:08 David J. Rutherford, Ph.D.*, University of Mississippi, *Climate Change and the Nexus of Evidence, Ideology, and Politics among Evangelical Christians.*

4:14 Kent M. McGregor*, University of North Texas, *Impacts of the 2015 to 2016 El Niño in Texas and the Southwest.*

4:20 Stephen S. Young*, Salem State University, *Climate Change in Northeastern North America from 2000 to 2014.*

4:26 Dagmar Budikova*, Illinois State University; Trenton Ford, Southern Illinois University, *Arctic Sea Ice Variability and Summer U.S. Hydroclimatology.*

3578. Hazards Risks and Disasters 9: Social Vulnerability Modeling (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Eric Tate, University of Iowa; Tim G. Frazier, University of Idaho

CHAIR(S): Eric Tate, University of Iowa

3:20 Gainbi Park*, University of Wisconsin - Milwaukee; Zengwang Xu, University of Wisconsin-Milwaukee, *Exploring the social vulnerability of the United States at multiple spatial scales, 1990-2010.*

3:40 Joseph Tuccillo*, University of Colorado, Boulder, *Identifying Place-Specific Social Vulnerability to Environmental Hazards using Localized Geodemographic Classification: Hurricane Sandy, 2012.*

4:00 Samuel Rufat*, University of Cergy-Pontoise, Paris, France; Eric Tate, University of Iowa, *Lessons From Sandy: Confronting Social Vulnerability Methods to Actual Outcomes.*

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- 4:20** David C. Folch*, Florida State University; Seth Spielman, University of Colorado Boulder, *Computing Pseudo Margins of Error Using American Community Survey Data: Social Vulnerability in the Superstorm Sandy Zone.*
- 4:40** Haoyi Xiong*, University of Iowa; Eric Tate, University of Iowa; Chris Emrich, University of South Carolina; Mathew C. Schmidlein, Sacramento State University, *Influence of sample size on modeling social vulnerability.*
- 3579. Locating Humanitarian Violence 1: Humanitarian Violence and Illiberal Subjects**
Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Killian McCormack, University of Toronto; Andrew Merrill, University of Toronto; Benjamin Patrick Butler, University of Toronto
 CHAIR(S): Emily Gilbert, University of Toronto
3:20 Shandell Houlden, PhD Student*, McMaster University, *The Military Working Dog: Rethinking the Centrality of the Human in War.*
3:40 Cynthia Sorousha Gorman, Ph.D*, West Virginia University, *Codified Precarity: Unaccompanied Minors and the Struggle for Political Asylum.*
4:00 Benjamin Patrick Butler*, University of Toronto, *FEWS NET, Targeting, Colonial Biopolitics: Geostrategic Humanitarianism in Sudan and South Sudan.*
4:20 Noah Laser Cannon*, Concordia University, *Subjects of Well-Being: A Critical Analysis of Expertise and Concern in Indigenous-State Relations.*
4:40 Stevie Larson*, University of North Carolina - Chapel Hill, *Punching in a Pillow: Autonomy, Regulation, and the Improvised Violence of Child Welfare.*
- 3580. Manufacturing geographies of memory II: Genocide and Imperialism (Sponsored by Study of the American South Specialty Group, Cultural Geography Specialty Group)**
Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Matthew Cook, University of Tennessee; Emma Jay Walcott-Wilson, Missouri University
 CHAIR(S): Emma Jay Walcott-Wilson, Missouri University
 Introducer: Emma Jay Walcott-Wilson
3:21 E. Arnold Modlin Jr., Ph.D.*, Norfolk State University, *Novels as Vehicles to Remembering Holocaust Landscapes.*
3:40 Savina Sirik*, Kent State University, *Everyday experiences of genocide survivors in landscapes of violence in Cambodia.*
4:00 Ellen R. Hansen, Ph.D.*, Emporia State University, *Construction of Memory and Nostalgia for a Mythical Past.*
4:20 Jihwan Yoon*, The University of Tennessee, *The "Comfort Women" Commemorative Campaign: Geopolitical Struggles over Memory and Justice between Korea and Japan.*
4:40 Marie L Storme*, Varadi Institute, *From Battle To Memorial: Using Places And Myths In Collective Identity Construction..*
- 3581. Rural Change and Residents' Sense of Place and Experiences in their Locale II (Sponsored by Rural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Sarah A. Mason, University of Western Ontario
 CHAIR(S): Sarah A. Mason, University of Western Ontario
3:20 Sophia Albov*, University of Montana, *Closing the Biomass Loop: Impacts on the Rural Agricultural Geography in Hyvinkää, Finland.*
3:40 Christopher M. Neubert*, University of North Carolina - Chapel Hill, *"Not Your Grandfather's Shit" - How Hog Waste Transforms Life in an Iowa Watershed.*
- 4:00** Alexandre Dubois*, Research Fellow, Swedish University of Agricultural Sciences, Uppsala, Sweden, *Evolving agricultural networks: understanding transitions in Swedish agriculture from a relational perspective.*
- 4:20** Mark D. Bjelland, Ph.D.*, Calvin College, *The Rural Exclave of Point Roberts, Washington.*
- 4:40** Sarah A. Mason*, University of Western Ontario, *Biosolid Facility Siting and Rural Community Development: Where are we now?.*
- 3582. Urbanization and Environmental Sustainability (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)**
Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Yuyu Zhou, Pacific Northwest National Laboratory; Soe Win Myint, Arizona State University; Wenze Yue, Zhejiang University
 CHAIR(S): Wenze Yue, Zhejiang University
3:20 Yuanyuan Yang*, College of Resources Science and Technology, Beijing Normal University; Yansui Liu, College of Resources Science and Technology, Beijing Normal University, *Spatiotemporal conversion from rural settlements and arable land in the process of urbanization in Beijing during 1985-2010.*
3:37 Ron Mahabir*, Department of Geography and Geoinformation Science, George Mason University; Peggy Agouris, Department of Geography and Geoinformation Science, George Mason University; Andrew Crooks, Computational Social Science Program, Department of Computational and Data Sciences, George Mason University; Anthony Stefanidis, Department of Geography and Geoinformation Science, George Mason University; Arie Crotoru, Department of Geography and Geoinformation Science, George Mason University, *Challenges and Opportunities of Mapping and Modeling Slums in a Digital Big Data Era..*
3:54 Qing Tian*, George Mason University; Maria Lemos, University of Michigan, *Rural-Urban Interaction and Vulnerability of Rural Households to Climatic Hazards: A Case from China.*
4:11 Julie A. Silva*, University of Maryland, College Park; Fernando Sedano, University of Maryland, College Park, *Africa's Urban Revolution & The Future of Forests: Lessons from Mozambique's Charcoal Trade.*
4:28 Yuyu Zhou*, Iowa State University, *Modeling Urbanization and its Implication in Building Energy Use.*
- 3583. Papers in Honor of Michael Watts IV**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Rod Neumann, Florida International University; Richard A. Schroeder, Rutgers University
 CHAIR(S): Richard A. Schroeder, Rutgers University
3:20 Julie Guthman*, University of California Santa Cruz, *Life itself under Contract: the Biopolitics of "Partnerships" and Chemical Risk in California's Strawberry Industry.*
3:40 Thomas J. Bassett*, University Of Illinois; Moussa Koné, Institut de Géographie Tropicale, Université Félix Houphouët-Boigny, *Peanuts for cashews: Agricultural diversification and farmer incomes in Côte d'Ivoire.*
4:00 Wendy Wolford*, Cornell University, *The Age of (re) Discovery: Knowledge production and rural development on an African frontier.*
4:20 Matthew Turner*, University of Wisconsin-Madison, *Rural differentiation and nature-society relations in Sudano-Sahelian West Africa: A revisitiation of the Watts-Hill debate.*
 Discussant(s): Rod Neumann, Florida International University

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- 3584. Natural Disasters and Tourism: International Perspectives on Impacts, Social Capital, Preparedness, and Community Resiliency II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Hazards, Risks, and Disasters Specialty Group)**
Room: *Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)*
ORGANIZER(S): Sanjay K. Nepal, University of Waterloo; Brent Doberstein, University of Waterloo
CHAIR(S): Sanjay K. Nepal, University of Waterloo
3:20 Lori Pennington-Gray*, University of Florida; Baikuntha Prasad Acharya, University of Alberta; Brian Mills, University of Florida; Greg Dunn, University of Florida, *Presenting a Conceptual Model of a Destination Resilience Model.*
3:40 Ronald Louis Schumann*, University of North Texas, *Commemoration, Betterment, and Resilience: Meanings of Recovery Along Mississippi's Coast.*
4:00 Michelle Shuey, PhD*, University of Hawaii - Hilo; Eli Sanderson, University of Hawaii at Hilo; Jacque Schoenherr, University of Hawaii at Hilo; Isaac Gloor, University of Hawaii at Hilo, *Community and Household Resilience to Lava Hazards in a Diverse and Fragmented Rural Community on the Big Island of Hawaii.*
4:20 Eija Susanna Meriläinen*, HUMLOG Institute, *Disaster resilience dancing towards the sea.*
- 3585. Emerging Issues in the Governance of Ocean Spaces 4: Overview and Future Directions (Sponsored by Coastal and Marine Specialty Group)**
Room: *Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)*
ORGANIZER(S): Nathan Bennett, University of British Columbia/University of Washington; Katherine Seto
CHAIR(S): Nathan Bennett, University of British Columbia/ University of Washington
3:20 Andrew Song, Department of Natural Resource Sciences, McGill University, Canada; Joeri Scholtens*, University of Amsterdam; Maarten Bavinck, University of Amsterdam; Johnny Stephen, University of Amsterdam, *From 'boundaries' to 'transboundary' in fisheries: research and governance implications.*
Introducer: Nathan Bennett
Discussant(s): Laurie Richmond, Humboldt State University; Paul Foley, Memorial University of Newfoundland -; Lisa Campbell, Duke University
- 3586. International Investments, Urban Bias and Knowledge II**
Room: *Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)*
ORGANIZER(S): Pengfei Li; Harald Bathelt, University of Toronto
CHAIR(S): Patrick Serge Cohendet, HEC Montreal
3:20 Ingo Liefner*, Justus Liebig University Giessen, *Indigenous Innovation in China's Equipment Manufacturing Industry.*
3:40 Yue-fang SI, Dr.*, East China Normal University, *Glocal Innovation Networks of Chinese MNEs.*
4:00 Sam Ock Park*, Seoul National Univ, *Evolution of Ambidextrous Organization and Knowledge Networks in Global Urban Systems.*
4:20 Nicolas Conserva*, University of Toronto, *From Local Knowledge to Open-Source Technologies: A Model to Revive Industrial Districts?.*
- 3587. The Politics of Celebrity Humanitarianism, Advocacy and International Development III: Place-Based Celebritized Aid and Advocacy Encounters (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Development Geographies Specialty Group)**
Room: *Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)*
ORGANIZER(S): Mary Mostafanezhad, University of Hawai'i at Manoa; Mette Fog Olwig, Roskilde University; Lisa Ann Richey, Roskilde University
CHAIR(S): Lisa Ann Richey, Roskilde University
3:20 Mary Mostafanezhad*, University of Hawai'i at Manoa, *Celebrity Humanitarianism and the Popular Geopolitics of Hope along the Thai-Burma Border.*
3:40 Johanna Hood, PhD*, Roskilde university, *New Actors in Humanitarian Affairs: understanding the significance of Chinese first lady Peng Liyuan and the Red Cross petition of April 2013.*
4:00 Lene Bull Christiansen, Dr.*, Roskilde University, *The Corporate Humanitarian Carnival - how Celebrity, CSR Branding and Humanitarianism merge in Roskilde Festival.*
4:20 James Igoe*, University of Virginia; James J Igoe, Associate Professor, University of Virginia, Anthropology, *Seeing the World and Saving It Too: An Exploration of Touristic Means and Ends to Conservation and Development in Tanzania's Maasai Steppe and Beyond.*
Discussant(s): Dan Brockington, University of Manchester
- 3588. Journeying Young People: Practices, Methods, Experiences, Desires II -Opening spaces and co-productive experimentation (Sponsored by Cultural Geography Specialty Group)**
Room: *Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)*
ORGANIZER(S): Tracey Skelton, National University of Singapore; Amy Aileen Donovan, University of Oxford
CHAIR(S): Tracey Skelton, National University of Singapore
3:20 Á.Clotilde Houchon*, University of Utah, *The gutter, its boundaries, and mis-guided drifts.*
3:40 Noora Pyyry*, University of Helsinki, *Thinking with photography: photo-walks as routes to spatial-embodied reflection in research into teenage girls' hanging out.*
4:00 Pascale Joassart-Marcelli*, San Diego State University; Fernando J Bosco, San Diego State University; Blaire O'Neal, San Diego State University, *Food Journeys: The Everyday Food Practices of Teenage Children of Immigrants.*
4:20 Anna Lisa Ramella*, Universität Siegen, *Mediating home between profession and personal journey among highly mobile young musicians.*
Discussant(s): Amy Aileen Donovan, University of Oxford

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Poster Sessions for Thursday are located on pages 236-242.

3601. Regions aren't just Regional: Global Roundtable (Sponsored by Russian, Central Eurasian, and East European Specialty Group, International Research and Scholar Exchange Committee, Development Geographies Specialty Group)

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Fausto O. Sarmiento, University of Georgia;
 Jeremy Tasch, Towson University
 CHAIR(S): Fausto O. Sarmiento, University of Georgia
 Introducer: Fausto O. Sarmiento
 Discussant(s): Jeremy Tasch, Towson University; Fausto O. Sarmiento, University of Georgia
 Panelists: Jeremy Tasch, Towson University; Xinyue Ye, Kent State University; Enru Wang, University of North Dakota; Mona Atia, George Washington University; Joseph Terzungwe Zume, Shippensburg University; Chandana Mitra, Auburn University

3602. The William L. Garrison Award and Tribute Sessions

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
 This session is a continuation of the previous timeslot, 3502. See information on page 286.

3603. Appreciating Geography as Powerful Disciplinary Knowledge in Schools (C) (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Michael N. Solem, American Association of Geographers
 CHAIR(S): Michael N. Solem, American Association of Geographers
 5:20 Sirpa Tani*, University Of Helsinki, *Powerful Disciplinary Knowledge in the Finnish Geography Education.*
 5:40 Xin Miao*, East China Normal University; Yushan Duan, East China Normal University, *What's the story? Reflections on school geography in China using cases from Shanghai.*
 6:00 Jianzhen Zhang*, Zhejiang Normal University; Guojun Jiang, Zhejiang Normal University; Xin Miao, East China Normal University; David Lambert, University College London Institute of Education, *What is powerful knowledge of regional geography?? A view from China.*
 6:20 Michael N. Solem*, American Association of Geographers, *Geography as Powerful Disciplinary Knowledge in U.S. Schools.*
 Discussant(s): David Lambert

3604. Author Meets Critics - Borderities and the Politics of Contemporary Mobile Borders (Sponsored by Political Geography Specialty Group)

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Reece Jones, University of Hawaii at Manoa
 CHAIR(S): Reece Jones, University of Hawaii at Manoa
 Panelists: James Wesley Scott, University of Eastern Finland; Emily Gilbert, University of Toronto; Jill Williams, Southwest Institute for Research on Women; Anne-Laure Amilhat Szary, Université Joseph Fourier

3606. Why Does Everyone Think Cities Can Save the Planet? 5. Urban Nature Ideologies in Planning and Development Practice (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Wachsmuth, New York University; Hillary Angelo, University of California Santa Cruz
 CHAIR(S): David Wachsmuth, New York University

5:20 Alana Boland*, University of Toronto, *Aspirations and remedies: Urbanizing sustainability in China.*

5:40 Julian Brash*, Montclair State University, *Hope and Doom on the High Line: Public Art, Climate Change, and the Poverty of Contemporary Urbanism.*

6:00 Samuel Mössner*, University of Freiburg i.Br.; Byron Miller, University of Calgary, *Spatializing Urban Sustainability. Conflicts and Contradictions in the Governance of the Calgary and Freiburg Metropolitan Regions.*

6:20 Gordon Douglas, PhD*, New York University, *Contradictions of Progressive Planning: How Urban Designers Understand Equity in Sustainability, Creative Placemaking, and Resiliency.*

6:40 John Laueremann*, Rhode Island School of Design, *Seeing is believing: Design and the visual economies of global urban sustainability.*

3607. Polar Issues III: Geospatial Analysis of Human-Environmental Systems (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Cryosphere Specialty Group, Polar Geography Specialty Group)

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Emily Francis, University of Northern Iowa; Kelsey Nyland, Michigan State Univ.
 CHAIR(S): Andrey N. Petrov, University of Northern Iowa

5:20 Emily T Francis*, University of Northern Iowa; Andrey N Petrov, Dr., University of Northern Iowa; Leonid A Kolpashchikov, Joint Directorate of Taimyr Nature Reserves, Russia; Pavel Kochkarev, Central Siberian Nature Preserve, Russia; Michael Madsen, University of Northern Iowa, *Satellite telemetry as a method for analyzing Rangifer t. tarandus winter migration in the Russian Arctic.*

5:40 Lara Hughes-Allen*, University of Southern California, *Quantifying Changes in Glacier Thickness and Area Using Remote Sensing and GIS: Taku Glacier System, AK.*

6:00 Trevor K. Fuller*, SUNY - Oneonta; Antonina Savvinova, Associate Professor, M.K. Ammosov North-Eastern Federal University; Viktoriia Filippova, Senior Researcher, Institute for Humanities Research and Indigenous Studies of the North, Russian Academy of Sciences, Siberian Branch, *The Eastern Siberia Pacific Ocean Pipeline in Yakutia: Visualizing Impacts on Indigenous Land Use.*

6:20 Narmina Iusubova*, University of Northern Iowa; Andrey N Petrov, University of Northern Iowa, *Towards a multiscale assessment of wind energy resources and suitability in the Russian Arctic.*

Discussant(s): Andrey N. Petrov, University of Northern Iowa

3609. The Roepke Lecture in Economic Geography: "Boots on the Ground, Who is Footing the Bill? The Human Costs Of Modern Warfare: American Military Forces and the Iraq and Afghanistan Wars (OIF-OEF)" - Amy Glasmeier, Massachusetts Institute of Technology (Sponsored by Routledge, Economic Geography Specialty Group)

Room: Plaza A, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): James T. Murphy, Clark University
 CHAIR(S): James T. Murphy, Clark University
 Introducer: James T. Murphy
 5:25 Amy Glasmeier*, Massachusetts Institute of Technology, *Boots on the Ground, Who is Footing the Bill? The Human Costs Of Modern Warfare: American Military Forces and the Iraq and Afghanistan Wars (OIF-OEF).*
 Discussant(s): Vincent J. Del Casino, University of Arizona

3610. "Mappy Hour" in Mapathon Lounge (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)

Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)

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ORGANIZER(S): Thomas Gertin
CHAIR(S): Thomas Gertin

3621. Inscripting Space: Indigenous Contestations (Sponsored by Indigenous Peoples Specialty Group)

Room: *Franciscan B, Hilton Hotel, Ballroom Level* (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Nathan W. Swanson, University of North Carolina-Chapel Hill

5:20 Nora Sylvander*, The Ohio State University, *Saneamiento for whom? Adjudicating space and rights in Nicaragua's Bosawas Biosphere Reserve.*

5:40 Daniela A. Marini*, University of Colorado Boulder Geography Department, *Buen Vivir for Whom? Anti-GMO Movements and Bolivian Farmers in Argentina.*

6:00 Phillip Campanile*, University of California - Berkeley, *Landscape as Infrastructure, or The Creation of the Earth.*

6:20 Nathan W. Swanson*, University of North Carolina-Chapel Hill, *Futures Beyond Recognition: Internally Displaced Palestinians Challenging Erasure and Planning Return.*

3622. Cognition, Visualisation and User Issues, III (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)

Room: *Franciscan C, Hilton Hotel, Ballroom Level* (Paper Session)

ORGANIZER(S): Amy Griffin, UNSW Canberra; Alexander Savelyev, The Pennsylvania State University

CHAIR(S): Alexander Savelyev, The Pennsylvania State University

5:20 Alexander J. Kent*, Canterbury Christ Church University; Jari Korpi, Aalto University, Helsinki, *Investigating International Approaches to Symbol Design and Evaluation.*

5:40 Sara Irina Fabrikant*, University of Zurich; Markus Christen, University of Zurich; Peter Brugger, University of Zurich; Zbynek ?terba, Masaryk University, *Of color, geography, and brains.*

6:00 Amy Griffin*, UNSW Canberra; Jason Jurjevich, Portland State University; Meg Merrick, Portland State University; Seth Spielman, Colorado University at Boulder; David Folch, Florida State University; Nicholas Nagle, University of Tennessee, Knoxville, *Navigating American Community Survey Data Uncertainty: Insights from Mapping Experiments with Urban Planners.*

6:20 Jennifer Smith Mason*, The Pennsylvania State University; Alexander Klippel, The Pennsylvania State University, *Visualizing Storm Surge: A Holistic Approach for Assessing Factors in Hurricane Flood Evacuation Decisions.*

6:40 Daniel W. Phillips, MA/PhD Student*, University of California, Santa Barbara, *Defining the Community of Interest as a Criterion for Boundary Drawing of Electoral Districts.*

3623. Technology in Geography Education

Room: *Franciscan D, Hilton Hotel, Ballroom Level* (Paper Session)

This session is a continuation of the previous timeslot, 3223.

3624. Mona Domosh's Past President's Address: Genealogies of Race, Gender, and Place - Special Event

Room: *Imperial A, Hilton Hotel, Ballroom Level* (Panel Session)

Organizer and Chair: **Mona Domosh**, AAG Past President, Dartmouth College

Speaker: **Mona Domosh**, AAG Past President, Dartmouth College

Discussants:

Ruth Wilson Gilmore, CUNY Graduate Center

Derek H. Alderman, University of Tennessee

Caroline Bressey, UCL

In her Past President's address at the 2016 AAG Annual Meeting, Mona Domosh will explore the interconnected historical geographies of race, gender, and place. She will consider how race and racisms have been entangled with spatial imaginaries and place-based materialities throughout much of American history and geography, and how these entanglements continue to shape raced lives today. Drawing on her research in the Jim Crow South, Domosh documents the ways in which space and place—particularly through constraints on African-American mobility, and raced and gendered notions of “appropriate” places—produced and were shaped by the socio-economic realities of the labor-repressive system of cotton agriculture from slavery to sharecropping and beyond. She concludes by suggesting that the traces of these interlinked notions of race, place, and gender are still politically, economically, and socially active as evidenced by the racial/spatial imaginaries and materialities that we have recently witnessed, from the shooting of Trayvon Martin to the media coverage of Serena Williams.

Joining Mona Domosh as discussants will be Ruth Wilson Gilmore, CUNY; Derek Alderman, University of Tennessee; and Caroline Bressey, University College London.

3626. Cooking up Scholarship: Exploring the Lasting Contributions of Margaret FitzSimmons to the Geographies of Food, Agriculture, and Beyond (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: *Yosemite A, Hilton Hotel, Ballroom Level* (Panel Session)

ORGANIZER(S): Daniel R. Block, Chicago State University; Jill Lindsey Harrison, University of Colorado At Boulder;

Laura Pulido, University of Southern California

CHAIR(S): Daniel R. Block, Chicago State University

Introducer: Daniel R. Block

Discussant(s): Diana M. Liverman, University of Arizona;

Robert Gottlieb; Laura Pulido, University of Southern

California; Jill Lindsey Harrison, University of

Colorado At Boulder; Margaret I. FitzSimmons,

University of California

3627. Career & Professional Development Advice for International Graduate Students (Sponsored by AAG Jobs and Careers Theme)

Room: *Yosemite B, Hilton Hotel, Ballroom Level* (Panel Session)

ORGANIZER(S): Daehyun Kim, University of Kentucky; Jung Eun Hong, University of West Georgia

CHAIR(S): Daehyun Kim, University of Kentucky

Discussant(s): Aondover Tarhule, University of Oklahoma

Department of Geography and Environmental Sustainability

Panelists: Heejun Chang, Portland State University; Sayoni Bose,

Governors State University; Gi-Choul Ahn, Snohomish

County; Heike Alberts, University of Wisconsin-

Oshkosh

3628. Spatiotemporal Symposium: Space-Time Concepts in the GeoHumanities (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: *Union Square 1, Hilton Hotel, 4th Floor* (Panel Session)

ORGANIZER(S): Manzhu Yu, George Mason University;

Stephen Costello Lowe, George Mason University;

Chaowei Yang, George Mason University

CHAIR(S): Robert T. Tally, Texas State University - San Marcos

Introducer: Robert T. Tally

Panelists: Charles Bartlett Travis, Trinity College Dublin; Tina

Shepardson; Weihe Wendy Guan, Harvard University;

Stephen Costello Lowe, George Mason University;

Mary Hancock, University of California

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- 3629. Engaging eBay -- Creative Approaches and Elusive Challenges in Collecting Research Materials Online (Sponsored by Qualitative Research Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Dydia DeLyser, California State University, Fullerton; Nicola Thomas, University of Exeter
 CHAIR(S): Dydia DeLyser, California State University, Fullerton
 Introducer: Dydia DeLyser
 Panelists: Nicola Thomas, University of Exeter; Chris Gibson, University of Wollongong; Dydia DeLyser, California State University, Fullerton
- 3630. High-performance and Large-scale GeoComputing (Sponsored by Cyberinfrastructure Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Eric Shook, Kent State University; Dilip Patlolla, ORNL; Xuan Shi, University of Arkansas
 CHAIR(S): Qingfeng Guan, China University of Geosciences (Wuhan)
 5:20 Taekeon Hwang*, Kyung Hee University; Sung-Jin Cho, Ewha Womans University; Seonggook Moon, Kyung Hee University; Chul-sue Hwang, Kyung Hee University, *Analysis of activity pattern of foreigners using geotagged and unstructured big data: about foreigners' daily lives in Seoul using Twitter.*
 5:40 Jing Li*, University of Denver; Tong Zhang, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, *A Cloud-enabled Remote Visualization Tool for Time-varying Climate Data Analytics.*
 6:00 Guido Cervone*, The Pennsylvania State University; Laura Harding, The Pennsylvania State University, *PhotoVoltaic Power Forecasts Using Artificial Neural Networks and an Analog Ensemble.*
 6:20 Qingfeng Guan*, China University of Geosciences (Wuhan); Shuo Yun, China University of Geosciences (Wuhan), *A hybrid parallel geostatistical areal interpolation algorithm over GPU/CPU heterogeneous architectures.*
 6:40 Feng Ni*, University of Texas at Dallas; Fang Qiu, University of Texas at Dallas; Yuhong Zhou, University of Texas Southwestern Medical Center, *GPU-based Object-based Image Classification through Data Fusion of High Spatial Resolution Imagery and LiDAR Pseudo-waveform.*
- 3631. Remote Sensing Student Honors Paper Competition II (Sponsored by Remote Sensing Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Shuvankar Ghosh, University of Georgia
 CHAIR(S): Shuvankar Ghosh, University of Georgia
 5:20 Jiwei Li*, University of Massachusetts; Qian Yu, University of Massachusetts, *Remote sensing retrieval of colored dissolved organic matter in optically shallow waters.*
 5:40 Su Zhang*, University of New Mexico; Christopher D Lippitt, University of New Mexico; Susan M Bogus, University of New Mexico, *Assessing Pavement Surface Distress Condition Using Hyper-spatial Resolution Natural Color Digital Aerial Photography Acquired From A Low-cost Unmanned Aircraft System.*
 6:00 Wenjie Ji*, University At Buffalo; Wang Le, University At Buffalo, *Phenology-guided saltcedar (Tamarix spp.) mapping using Landsat TM images in western U.S..*
 6:20 Opeyemi A. Zubair*, University of Missouri-Kansas City; Wei Ji, Ph.D, University of Missouri-Kansas City, *Quantifying the Significance of Land Cover Classification Methods on the Accuracy of Urban Land Change Modeling.*
- 3632. Global Value Chains, Firms, Routines, Globalization and All That: Beyond Partial Theory and Economic Geography (2) (Sponsored by Economic Geography Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): John R. Bryson, University of Birmingham; Vida Vanchan, SUNY Buffalo State
 CHAIR(S): John R. Bryson, University of Birmingham
 5:20 Vida Vanchan*, SUNY Buffalo State; Rachel Mulhall, University of Birmingham; John Bryson, University of Birmingham, *"New" Global Geographies of Manufacturing: From Here to There and Back Again.*
 5:40 Galina Gornostaeva, Dr*, University of Westminster, *Factors of Internationalisation and Reshoring: the Fashion and Apparel Industry in the UK.*
 6:00 Christin Bernhold*, *Argentinian soy chains, upgrading, and uneven development: (Re)incorporating state theory and critical political economy into GVC-research.*
 6:20 Michael Woods*, Aberystwyth University, *(Re-)Assembling Foreign Direct Investment in an Irish Small Town.*
 Introducer: John R. Bryson
 Discussant(s): John R. Bryson, University of Birmingham
- 3633. Mapping Land Cover/Land Use Change**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Georgia De Stoppelaire, Florida Atlantic University
 5:20 Alex Smith, B.E.S.*, University of Waterloo; Derek T. Robinson, Ph.D., University of Waterloo, *Examining the relationships between land cover and land use at a parcel scale.*
 5:40 Adam Alsamadisi*, University of Tennessee Knoxville, *Human and Black Bear Interactions in Buncombe County, NC.*
 6:00 Rana N Jawarneh, PhD*, Yarmouk University; Chandrashekhar Biradar, PhD, ICARDA; Badreh Hayajneh, Yarmouk University; Nehal Talafha, Yarmouk University, *Development of decadal National Land Cover database for Jordan.*
 6:20 Jinxia Zhu*; baogen xu, *Unsupervised land use change detection based on object-oriented differencing procedure using very high spatial resolution data.*
 6:40 Georgia De Stoppelaire*, *High Resolution Imagery and Laser Remote Sensing Data for Mapping: A Case Study in Palm Beach County, Florida, USA.*
- 3634. Theorizing the State (2): State and the Global Periphery**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Karl Beitel; Raju J. Das, York University
 CHAIR(S): Robert M. Bridi
 5:20 Charvaak Pati*, York University, *State and Industrial labour in post-reforms India.*
 5:40 Parvathy Binoy*, Syracuse University, *Veena poovukal.*
 6:00 Waquar Ahmed*, University of North Texas, *Re-conceptualizing the liberal democratic state.*
 6:20 Rupinder Minhas*, Department of Geography, York University, *The Peripheral Capitalist State in its Neoliberal Form - A theoretical inquiry into the Indian state.*
 Discussant(s): Mizhar Mikati, York University
- 3637. Modeling and Visualization in Ethnic Geography (Sponsored by Ethnic Geography Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Lawrence E. Estaville, Texas State University
 CHAIR(S): Kanika Verma, Texas Christian University
 5:20 Kanika Verma*, Texas Christian University, *Artificial Intelligence Modeling to Predict Undergraduate Students' Geospatial Thinking: Ethnic Group Variances.*
 5:40 Edris J. Montalvo*, Cameron University, *Using Models to Teach Geography: The Case of Place Utility Theory and Kolb's Experiential Learning Cycle.*

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- 6:00** Fenda A. Akiwumi, PhD*, University of South Florida, *A Culture-Centered Commodity Chain Model for African Artisanal Mining.*
- 6:20** Kenneth Kelly*, Texas State University; Lawrence E. Estaville*, Texas State University, *Interactive Web-based Mapping and Data Manipulation for Ethnic Groups.*
- 6:40** Zoe Zell*, Texas State University; Lawrence Estaville, Texas State University, *Interactive Web-based Mapping: University Ethnic Data Visualization.*
- 3638. Sharing Economies: The Struggle for Consolidation 3. Sociality and Valuation (Sponsored by Economic Geography Specialty Group)**
Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Peter Pelzer, Utrecht University; Gernot Grabher, HCU Hamburg; Koen Frenken, Utrecht University
 CHAIR(S): Peter Pelzer, Utrecht University
5:20 Elena Denaro, PhD Candidate, Department of Sociology*, London School of Economics, *Is Sharing Still Caring if Money is Involved? The effects of monetising collaborative consumption services: a case study of Airbnb and CouchSurfing.*
5:40 Gernot Grabher*, HCU Hamburg, *Sharing or Economy? Trajectories of a Contested Model.*
6:00 Marco Berlinguer*, Univesidad Autonoma de Barcelona - IGOP, *Valuing Sharing.*
6:20 Katarzyna Gruszka*, WU Vienna University of Economics and Business; Elena Denaro, London School of Economics, *The many faces of the 'collaborative economy' - exploring the subjective perspectives of OuisShare connectors..*
6:40 Koen Frenken*, Utrecht University, *Policy concerns regarding the sharing economy: an overview.*
- 3639. Spatial Optimization and Analysis III (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Daoqin Tong, University of Arizona - Geography & Regional Development; Ran Wei, University of Utah
 CHAIR(S): Daoqin Tong, University of Arizona - Geography & Regional Development
5:20 Hyun Kim*, University of Tennessee; Jeremy Auerbach, University of Tennessee; Qian Ye, University of Tennessee; Huaiaren Ye, University of Tennessee, *Resilience of heavy rail transit networks of United States.*
5:40 Amanda Fletcher*, University of North Carolina Wilmington; Eman Ghoneim, Associate Professor, University of North Carolina Wilmington; Farouk El-Baz, Director Center for Remote Sensing, Boston University; Khalid A. Al-Bloushi, Department Chair, Geology Department, United Arab Emirates University; Zein El-Abidin Rizk, Dean, Ajman University; Meshgan M. Al-Awar, Director, Research and Studies Center. Dubai Police Academy, *Delineation of Potential Groundwater Recharge Locations Using Remote Sensing and GIS Techniques in the Northern United Arab Emirates.*
6:00 Ting Lei*, University of Kansas, *A unified approach for location-allocation analysis.*
6:20 Kwadwo Adu Boakye*; Joseph Oppong, Phd; Chetan Tiwari, Phd, *Emergency Fire Response In Ghana: The Case Of Kumasi.*
6:40 Tammira D. Taylor*, University of New Mexico; Christopher Lippitt, Ph.D., University of New Mexico; Danquing Xiao, Ph.D., University of New Mexico; Su Zhang, University of New Mexico, *An Index of Criticality for Transportation Infrastructure.*
- 3640. Participation, Engagement, and Outreach**
Room: Union Square 13, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Amber J. Boll, University of Kentucky; Matthew W. Wilson, Harvard University
 CHAIR(S): Amber J. Boll, University of Kentucky
 Discussant(s): Meghan Cope, University of Vermont; Carolyn Finney, University of California Berkeley; Sara Koopman, York University; Jenna M. Loyd, University of Wisconsin-Milwaukee; Carrie Mott, University of Kentucky
- 3641. Profiling, b/ordering, and the political work of pedagogy III (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Nicholas Jon Crane, Ohio Wesleyan University; Sutapa Chattopadhyay, UNU-Merit & Maastricht University
 CHAIR(S): Sutapa Chattopadhyay, UNU-Merit & Maastricht University
 Discussant(s): Pierpaolo Mudu, University of Washington - Tacoma
 Panelists: Zoe Pearson, Ohio State University; Serin Houston, Mount Holyoke College; Gavin Brown, University of Leicester; Hunter Jackson, CUNY Graduate Center
- 3642. Remote Sensing for Urban Land Cover Change Detection (Sponsored by Remote Sensing Specialty Group)**
Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Rebecca L. Powell, Univesity Of Denver
 CHAIR(S): Timothy Boucher, The Nature Conservancy
5:20 John S Liadis*, U.S. Bureau Of the Census, *Exposing Hidden Structures: Targeted LIDAR Use to Support In-Office Review and Validation of an Address Frame.*
5:40 Xue WANG*, Department of Geography and Resource Management, The Chinese University of Hong Kong, Hong Kong, PR China, *Extraction of Urban Building Damage Using Spectral, Height and Corner Information.*
6:00 Andrew J. Marx, Ph.D*, Claremont Graduate University, *Detecting Human Rights Violations in Syria; a Landsat-Based Approach.*
6:20 Natasha Picone, Geography PhD*, IGEHCS - CONICET/ UNCPBA, *Using WUDAPT methodology to analyze the relation between LCZ zones and temperature in three Argentinian middle cities.*
6:40 Timothy Boucher*, The Nature Conservancy, *Simple Yet Powerful Remote Sensing in the Cloud.*
- 3643. Relational Poverty 9: Relations of poverty: transnationalism, regulation, and urban space/time**
Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Nicholas Blomley, Simon Fraser University
 CHAIR(S): Victoria A. Lawson, University of Washington
5:20 Laura Porras*, University of Ottawa, *The encounters of precarious workers with law: the case of rebuscadores in Bogotá..*
5:40 Marie-Eve Sylvestre*, Faculty of Law - University of Ottawa; Nicholas Blomley, Simon Fraser University, *'Walking on my hands': relations of poverty and the space and time of law.*
6:00 Jonathan Greene*, Trent University, *Housing First, Poverty Management, and the Governance of Urban Space.*
6:20 Araby Smyth*, University of Kentucky, *Practicing solidarity: Mexican hometown associations in New York City.*
6:40 Sanjukta Mukherjee*, DePaul University, Women's & Gender Studies, *Between precarity and promise: Methodological reflections from new spaces of transnational service work in India.*

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- 3644. Transport, Sustainability, and Accessibility (Sponsored by Transportation Geography Specialty Group)**
Room: *Union Square 17, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois; Stephanie Farmer, Roosevelt University
 CHAIR(S): Manish Shirgaokar, University of Alberta
5:20 MD Mehedi Hasan*, *Redistribution of the Chicago's DIVVY bike share stations using linear optimization model: An equity perspective by analyzing multiple measures of accessibility.*
5:40 Manish Shirgaokar*, University of Alberta, *Seniors and Ridesourcing: Investigating Barriers to Using Uber-like Services in Edmonton, Canada.*
6:00 Regina Obilie Amoako-Sakyi*, University of Cape Coast; Kwabena Koforobour Agyemang, University of Cape Coast; Kingsley Nana Osei, University of Cape Coast; Albert Machistey Abane, Prof, University of Cape Coast; Edem Amenumey, PhD, University of Cape Coast, *The other side of active transportation to school: basic school pupils' assessment of security on their routes to school.*
6:20 Ho-Seop Cha*, University of Missouri - Kansas City, *Equity implementation in public transportation: case study in the Kansas City metropolitan area.*
- 3645. Symposium on Human Dynamics Research: Urban Analytics (III)**
Room: *Union Square 18, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Nick Malleon, University of Leeds; Alex Singleton; Mark Birkin, University of Leeds
 CHAIR(S): Andrew Crooks, George Mason University
5:20 Kostas Cheliotis*, Centre for Advanced Spatial Analysis, UCL, *Agent-Based Models of Public Space Use.*
5:40 Kurtis James Garbutt*, University College London; Claire Ellul, Dr, University College London; Taku Fujiyama, Dr, University College London, *Developing a geo-spatial agent-based model to support the strategic and operational understanding of relief distribution during flood emergencies in the UK.*
6:00 Robert Babin*, University of Waterloo; Dawn Parker, PhD, University of Waterloo; Andre Antanaitis, University of Waterloo; Jeff Casello, PhD, University of Waterloo; Pedram Fard, University of Waterloo; Yu Huang, University of Waterloo; Xiongbing Jin, PhD, University of Waterloo; Markus Moos, PhD, University of Waterloo; Erica Ogden, University of Waterloo; Xinyue Pi, University of Waterloo; Veronica Sullivan, University of Waterloo; Filiz Tamer, University of Waterloo; Jinny Tran, University of Waterloo; Kevin Yeung, University of Waterloo, *Investigating Homebuyer Preferences Under Regional Intensification: a first-stage hedonic model for an integrated land-use transport model.*
6:20 Yunchao Qu*, Arizona State University; Xuesong Zhou, Arizona State University, *Optimizing agent-based household activity scheduling pattern using a dynamic space-time-state method.*
 Discussant(s): Andrew Crooks, George Mason University
- 3646. A Global Urban Ecology Research Agenda: Addressing Novelty, Equity and Uncertainty (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Urban Geography Specialty Group)**
Room: *Union Square 19, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Jessica K. Graybill, Colgate University; Sarah E. Dooling
 CHAIR(S): Jessica K. Graybill, Colgate University
5:20 Christopher Ling, PhD*, Royal Roads University; Rodolfo Manaligod, BSc, Royal Roads University, *Land Use Rifts and Landscape Multi-functionality in Richmond, BC: Implications for urban ecological planning and development.*
- 5:40** Darla K Munroe*, Ohio State University; Yuxi Zhao, Ohio State University; Jeffrey L Olson, University of Wisconsin-Whitewater, *Relationships Between Parcelization and Forest Fragmentation: Forestland Subdivision as Rural Gentrification?.*
6:00 Jamie Vanucchi*, Cornell University, *Designing with novelty and uncertainty: challenges for the Anthropocene.*
6:20 Sarah E. Dooling*, The University of Texas, *Civic Experimentation in an Age of Uncertainty and Inequities.*
 Discussant(s): Jessica K. Graybill, Colgate University
- 3647. Geoprivacy Reconsidered (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: *Union Square 20, Hilton Hotel, 4th Floor* (Panel Session)
 ORGANIZER(S): Nadine Schuurman, Simon Fraser University
 CHAIR(S): Nadine Schuurman, Simon Fraser University
 Introducer: Nadine Schuurman
 Discussant(s): Agnieszka Leszczynski, University of Auckland; Matthew Zook, University of Kentucky; Matthew W. Wilson, Harvard University; Yola Georgiadou, University Twente
 Panelists: Jeremy Crampton, University of Kentucky; David Swanlund, Simon Fraser University; Michael F. Goodchild, University of California; Michael Martin
- 3649. Water Security? Critical Geographical Engagements III (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: *Union Square 22, Hilton Hotel, 4th Floor* (Panel Session)
 ORGANIZER(S): Jessica Budds; Wendy Elizabeth Jepson, Texas A&M University; Vanessa Empinotti, Federal University of ABC
 CHAIR(S): Alex Loftus, King's College London
 Discussant(s): Patricia Gober, Arizona State University; Leila Harris, University of British Columbia; Kathleen Mary O'Reilly, Texas A&M University; Wendy Elizabeth Jepson, Texas A&M University; Kathryn Furlong, Université De Montréal; Eric P. Perramond, Colorado College; Katie Meehan, University of Oregon
- 3650. Urban Housing: Affordability, Access and Innovation**
Room: *Union Square 25, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Kathleen Kinsella
 CHAIR(S): Robert A. Young, California State University, Fullerton
5:20 Pietro Calogero, Ph.D.*, Xi'an Jiaotong-Liverpool University; Sung Ji Chon, San Francisco State University, *Illegal units in San Francisco: case study of urban informality in the United States.*
5:40 Penny Gurstein*, University of British Columbia, *Addressing Demand Distribution in a Housing Crisis: A Case of Vancouver, Canada.*
6:00 Kathleen Kinsella, BES, MSc.*, McMaster University, *Enumerating Informal Rental Housing in Hamilton, Ontario, Canada.*
6:20 Matthew Palm*, University of California - Davis; Deb Niemeier, Professor, Department of Civil and Environmental Engineering, UC Davis, *Scale Meets Reality: Regionally Calculated Housing Vouchers Pre-Determines Voucher Dispersion.*
- 3651. Psychoanalysis and the Global 3: Embodying the Local in the Global**
Room: *Mason A, Hilton Hotel, 6th Floor* (Paper Session)
 ORGANIZER(S): Ilan Kapoor
 CHAIR(S): Ilan Kapoor
5:20 Nathan F. Bullock*, AAHVS, Duke University, *A Feminist Psychoanalytic Perspective on Contemporary Glass Architecture in Singapore.*

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5:40 Adam Okulicz-kozaryn*, Rutgers-Camden, *Glorification of city, desire of city, and migration to city: size fetish.*

6:00 Pieter Adriaan De Vries*, Wageningen University, *Urban participatory politics in Recife, Brazil: A melancholy story.*

6:20 Ilan Kapoor*, York University, Toronto, *The Pervert vs. the Hysteric: Politics at Tahrir Square.*

Discussant(s): Maureen Sioh, DePaul University

3652. Assessing Social Vulnerability to Climate Change: Lessons from Recent Research on Integrating Exposure, Sensitivity and Adaptive Capacity (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Alexandra Paige Fischer, University of Michigan; Tim G. Frazier, University of Idaho

CHAIR(S): Alexandra Paige Fischer, University of Michigan

5:20 Alexandra Paige Fischer, Ph.D*, University of Michigan; Tim Frazier, PhD, Binghamton University, *Extending a Social Vulnerability Assessment Framework from Natural Hazards to Climate Change: The Case of Forested Areas in the Pacific Northwest, USA.*

5:40 Tim G. Frazier*, Binghamton University, *Merging Biophysical and socioeconomic indicators into a more holistic vulnerability model: A climate change driven case study of Oregon and Washington..*

6:00 Lisa Green*, Utah State University; Claudia Radel, PhD, Utah State University; Birgit Schmook, PhD, El Colegio de la Frontera Sur; Nora Haenn, PhD, North Carolina State University, *Differentiated Social Vulnerability to Climate Change in Southeast Mexico.*

6:20 Peter D. Howe*, Utah State University; Yajie Li, Utah State University; Forrest Schoessow, Utah State University; Jennifer Marlon, Yale University; Anthony Leiserowitz, Yale University, *Geographic variation in risk perceptions and vulnerability to extreme heat hazards in the U.S..*

6:40 Anne R Siders*, Stanford University; Mark Algee-Hewitt, PhD, Stanford University, *Mechanism-Based Model of Adaptive Capacity to Climate Change.*

3653. Political Ecology of Multi-Species Spaces: Contestation and Cohabitation 5 (Sponsored by Cultural and Political Ecology Specialty Group, Animal Geography Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Jennifer K. Sedell, University of California, Davis

CHAIR(S): Jeffrey Vance Martin, University of California - Berkeley

5:20 Megan Martha Donald*, University of Glasgow, *A beastly veterinary medicine: Situating and resisting 'the animal' in a UK vet school.*

5:40 Linda Madden, Doctoral student*, University of Auckland, *"Natural Born Killers": the framing of feral, stray and pet cats in Auckland City..*

6:00 Stephanie Rutherford, PhD*, Trent University, *The irreducible inbetweenness of the coywolf.*

6:20 Ike Sharpless*, University of California - San Diego; Ike Sharpless, UCSD political theory PhD student, UC San Diego, *Living well with animals in the posthuman polis: Aristotle, biosemiotics, and human-animal relations.*

Discussant(s): Rosemary-Claire Collard, Concordia University - Montreal, QC

3654. Geographies of Media XIII: Media, governmentality, and managing the 'more than human' environment (I) (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): J Jesse Minor, University of Arizona; Joseph Palis, University of the Philippines-Diliman

CHAIR(S): J Jesse Minor, University of Arizona

5:20 Christian Pettersen*, The University of Georgia, *Shaping what it means to be Guatemalan: the political life of the Guatemalan military's 'volante'.*

5:40 Melanie Armstrong*, Western State Colorado Unvers, *Nature is Closed: Government shutdown and the politics of public lands.*

6:00 Katherine J. Heslop*, University of Nevada,Reno, *Selling Big Dam Regionalism: New Deal visual imagery promotes hydroelectric power to define a modern Pacific Northwest.*

6:20 J Jesse Minor*, University of Arizona, *Smokey Bear, biopower, and governmentality through wildfire prevention advertisements.*

Discussant(s): Pavithra Vasudevan, University of North Carolina, Chapel Hill

3655. Gender, Power, and Participatory Hand-drawn Mapping in Agriculture and Natural Resource Research (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Geographic Perspectives on Women Specialty Group, Africa Specialty Group, Development Geographies Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Maria Elisa Christie, Virginia Tech; Emily Van Houweling, University of Denver

CHAIR(S): Maria Elisa Christie, Virginia Tech

5:20 Maria Elisa Christie*, Virginia Tech, *Hand-drawn participatory mapping with small-scale farmers in the developing world through a gendered lens.*

5:40 Emily Van Houweling*, University of Denver, *Mapping water resources: Possibilities for integrating participatory mapping, GIS and biophysical models.*

6:00 Denis Gautier*, CIRAD, Burkina Faso, *Assessing the perceptions of an arid natural environment in Northern Mali using participatory Gender-Based Hand-Drawn Mapping.*

6:20 Beth A Bee*, East Carolina University, *Mapping gendered terrains: Exploring gender resource maps in qualitative research.*

Discussant(s): Gregory W. Knapp, University Of Texas - Austin

3656. Urban parks and green spaces in the 21st century city - session 2 (Sponsored by Regional Development and Planning Specialty Group, Landscape Specialty Group, Urban Geography Specialty Group)

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Meredith Whitten, London School of Economics

CHAIR(S): Meredith Whitten, London School of Economics

5:20 Emily Jessica Rugel, M.P.H., Ph.D. Candidate*, University of British Columbia, School of Population & Public Health; Michael Brauer, Sc.D., University of British Columbia, School of Population & Public Health; Sarah Henderson, Ph.D., BC Centre for Disease Control/University of British Columbia, School of Population & Public Health, *Assessing Exposure to Urban Natural Spaces to Evaluate Impacts on Mental Health.*

5:40 Jeffrey Onsted*, Florida International University, *Modeling Urban Growth In A Mountainous Semi-protected Peri-urban Park: An Examination Of The Santa Monica Mountains National Recreation Area.*

6:00 Angela Hof*, University of Salzburg, *Urban Parks and Green Spaces - On Their Transition From Providers of Ecosystem Services to Nature-based Solutions.*

6:20 Graciela Sandoval*, Texas State University - San Marcos, *Environmental health prevention: The case of air pollution and heart disease risk in urban parks.*

6:40 Sarah Gelbard, M.Arch.*, McGill School of Urban

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Planning, *SK8: Urban innovation and governance in the spatial and social design of skateparks.*

3657. Mobilities, Mobility Justice and Social Justice III (Sponsored by Transportation Geography Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): David Butz, Brock University; Nancy E. Cook, Brock University

CHAIR(S): David Butz, Brock University

5:20 Mimi Sheller, PhD*, Drexel University, *Towards a Multi-scalar Theory of Mobility Justice.*

5:40 Nancy E. Cook*, Brock University, *Mobility Justice in the Context of Disaster.*

6:00 Theresa Mary Harada, BEd, BSci (Hons) Phd (Human Geog)*, University of Wollongong, *Assemblages of Mobility: extending the mobilities literature to engage with feminist debates.*

6:20 Beatriz Mella Lira*, UCL, *Developing approaches to analysing social justice and equity in transport..*

6:40 Ole B. Jensen*, Dept of Architecture, Design and Media Technology, Aalborg University, *Dark Design - mobilities and exclusion by design.*

3658. Challenges for Europe II (Sponsored by Political Geography Specialty Group, European Specialty Group, Economic Geography Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Balázs Forman, Corvinus University of Budapest

CHAIR(S): Balázs Forman, Corvinus University of Budapest

5:20 Kyle T. Evered, PhD*, Michigan State University; Emine Ö. Evered, PhD, Michigan State University, *Spreading security? Europe and the institutionalization of Turkey's war on drugs.*

5:40 Yasmin Hilpert*, *Divergent Metropolises and Opportunities of Socio-Economic Development: a European-American Comparison on Divergent Opportunities of Policies.*

6:00 Danqing Fang*, *An Urban Regeneration Mode of Using Cultural Mega-events as a Catalyst -----Practices and Inspirations of "European Capital of Culture".*

6:20 Pierre BECKOUCHE*, University Paris 1 Sorbonne, *Integrated territorial analysis of the European neighborhoods.*

6:40 Urszula Edyta Kaczmarek*, Adam Mickiewicz University of Poznan/Poland, *Idea of "slow city" in development of small towns in Europe..*

3659. Multilingualism and Translation in Geography

Room: Lombard Room, Hilton Hotel, 6th Floor (Panel Session)
ORGANIZER(S): Felix De Montety, University of Nottingham
CHAIR(S): Felix De Montety, University of Nottingham
Panelists: Heike Joens, Loughborough University; Michael Heffernan, University of Nottingham

3660. Vegetation Dynamics III (Sponsored by Biogeography Specialty Group, Mountain Geography Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Parveen Kumar Chhetri, Texas A&M University; Jeremy Johnson, Texas A&M University
CHAIR(S): Matthew Goslin, University of Oregon

5:20 Lucas Harris*, Pennsylvania State University; Alan H Taylor, Pennsylvania State University, *Competition and tree mortality from 1999-2010 in an old-growth mixed-conifer forest in the Lake Tahoe Basin, California.*

5:40 Nathan S. Gill*, Clark University; Dominik Kulakowski, Clark University, *Is initial post-disturbance forest regeneration indicative of longer-term trajectories?.*

6:00 Cynthia SA Wallace, PhD*, United States Geological Survey; Jessica J Walker, PhD, United States Geological Survey; Caroline Patrick-Birdwell, Tucson Electric Power Company; Jake F Weltzin, PhD,

USA National Phenology Network; Helen Raichle, Contract scientist, *Mapping When and Where Invasive Buffelgrass is Green.*

6:20 Scott C McConaghy*, Texas A&M University; Charles W Lafon, Texas A&M University, *Influence of Productivity and Disturbance on Plant Species Diversity across the Grasslands of the Great Plains.*

6:40 Matthew Goslin*, University of Oregon; Patricia McDowell, University of Oregon, *Modeling Species Distribution of Carex Nudata, a Riparian Sedge Associated with Hydrological Variables within River Basins.*

3661. Physical Geography: Challenges of the "Anthropocene" (Sponsored by Human Dimensions of Global Change Specialty Group, Climate Specialty Group, Routledge, Hazards Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme)

Posters for this session can be found on pages 236-242.

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)

This session is a continuation of the previous timeslot, 3561.

3662. Analyzing Change in Urban Environments

Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Khila Dahal, Boise State University

5:20 Joshua C. Baldwin*, University of Denver, *Exurbanizing Landscapes of the Greater Gila Ecosystem: A Multi-Scale Geospatial Analysis.*

5:40 Enjie Li*, Utah State University; Joanna Endter-Wada, Utah State University; Shujuan Li, Utah State University, *The good, the bad and the ugly: 30 years of land use changes in the Wasatch Range Metropolitan Area, Utah.*

6:00 Daniel Galland*, Aalborg University; Pablo Elinbaum, Center of Urban and Regional Studies, *Metropolitan Spatial Planning in the Nordic Countries: Assessing Institutional Frameworks and Instrumental Contents.*

6:20 Jason Ridgeway*, Texas A&M University, *Aggeland Grows Up: The Spatial Growth of College Station's Residential Areas, 1970-2010.*

6:40 Khila Dahal*, Boise State University, *Urban growth simulation in Treasure Valley, Idaho.*

3663. The City Limits of Financialization (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Mendocino II, Hotel Nikko, 2nd Floor (Panel Session)

ORGANIZER(S): Emily Rosenman, University of British Columbia - Vancouver, BC; Caroline Sage Ponder, University of British Columbia

CHAIR(S): Emily Rosenman, University of British Columbia - Vancouver, BC

Panelists: Kevin Ward, University of Manchester; Mark Davidson, Clark University; William Kutz, University of Manchester; Heather Whiteside, University of Waterloo; Sinead Kelly, Maynooth University

3665. IJURR 2016 Lecture. Sabotage, Ostentation, and Attitude: Transformations in Modes of Collective Life in São Paulo's Peripheries (Sponsored by Wiley)

Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Ananya Roy, University of California, Los Angeles; Teresa Caldeira, University of California, Berkeley

CHAIR(S): Ananya Roy, University of California, Los Angeles

3666. Tobler and Transactions in GIS Plenary Presentations (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)

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ORGANIZER(S): Diansheng Guo, University Of South Carolina; John P. Wilson, University Of Southern California
 CHAIR(S): Diansheng Guo, University Of South Carolina
 5:20 Amy Lobben*, University of Oregon, *GIS and Accessibility*.
 6:10 Alan M. MacEachren*, Pennsylvania State University, *Geovisual Analytics: Reimagining the “analytical” in GIScience*.

3667. Mobility, Health, and the City III (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

Room: Monterrey I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Michael J. Widener, University of Toronto; Debarchana Ghosh, University of Connecticut; Jerry Shannon, University of Georgia
 CHAIR(S): Michael J. Widener, University of Toronto
 5:20 Michele Colley*, University of Toronto - Mississauga; Ron Buliung, Professor, University of Toronto - Mississauga, *Spatial and Temporal Patterns of Gendered Transport in The Greater Toronto and Hamilton Area, Canada*.
 5:40 Qiuyi Zhang, MA*, Department of Geography, University at Buffalo, Buffalo, NY; Sara Metcalf, PHD, Department of Geography, University at Buffalo, Buffalo, NY, *Modeling the accessibility of oral healthcare facilities to older adults in urban areas*.
 6:00 Kristin April Meseck*, University of California, San Diego; Kristin A Meseck, *Change in Lifespace Over Time Within Elder Care Communities: A Walking Intervention*.
 6:20 Thi Hong Diep Dao*, Department of Geography, University of Montana; Craig Raveslout, RTC: Rural, The Rural Institute, University of Montana; Lillie Greiman, RTC: Rural, The Rural Institute, University of Montana; Tannis Hargrove, RTC: Rural, The Rural Institute, University of Montana, *Linking Daily Travel Mobility and Pain Experience*.
 6:40 Rania Wasfi*, McGill University; Pierre Rondier, Universite de Montreal; Benoit Thierry, Universite de Montreal; Yan Kestens, Universite de Montreal, *Understanding the influence of seniors residential mobility on healthy aging. A longitudinal analysis of the National Population Health Survey*.

3668. Bodies/spaces of new reproductive geographies III: Political Approaches (Sponsored by International Geography, GIScience, and Urban Health Theme, Geographic Perspectives on Women Specialty Group, Population Specialty Group, Health and Medical Geography Specialty Group)

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Helen Hazen, University of Denver; Maria Fannin, University of Bristol
 CHAIR(S): Helen Hazen, University of Denver
 5:20 Shelley Grant*, University of Washington, QMUL, *Exploring ‘pro-life’ as a transnational movement: Comparing European and US political and social agendas for protecting the rights of the unborn*.
 5:40 Juliane Céleste Jasmine Collard*, University of British Columbia, *The Global, the Intimate, and ‘Surplus’ Fertility: Reflections on a Methodological Approach*.
 6:00 Sean H Wang*, Syracuse University, *Strategic citizenship and the reproductive geographies of Chinese birth tourism*.
 6:20 Robert Kaiser*, University of Wisconsin - Madison, *Birth and Biopower: Maternity Migration and the Bordering of Life in Hong Kong*.
 6:40 Rachel Colls*, Durham University; Abi McNiven, Oxford University, *Historicising pregnancy loss: Reflections on the National Childbirth Trust (NCT) archive..*

3669. Geographies of Aging 3: Critical Urban Perspectives (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group)

Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Jessica Finlay, University of Minnesota; Allison M. Williams, McMaster University; Rachel Herron, Brandon University

CHAIR(S): Rachel Herron, Brandon University
 5:20 Jessica Finlay*, University of Minnesota, *Everyday Realities of “Aging in Place”: Struggle, Controversy and Opportunity*.
 5:40 Deljana Iossifova, Dr*, University of Manchester, *Bulgaria’s Abandoned Elderly: ageing alone in shrinking villages and cities*.
 6:00 David J. Truly, PhD*, Universidad de Autonoma Guadalajara, *Dying in Place: A New Trend among Foreign Retirees in Mexico*.
 6:20 Mark W. Rosenberg, Ph.D.*, Queen’s University; Ryan Walker, Ph.D., University of Saskatchewan; Kathi Wilson, Ph.D., University of Toronto at Mississauga, *Gazing Critically at Age-friendly Communities*.
 Discussant(s): Allison M. Williams, McMaster University

3670. Disease prediction through mapping (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Arthur Getis, San Diego State University
 5:20 Arthur Getis*, San Diego State University; Keith Ord, Georgetown University, *Dissecting Spatial-Temporal Patterns of Disease Occurrence Using Spatial Statistics*.
 5:40 Paul L. Delamater*, George Mason University; Timothy F. Leslie, George Mason University; Kathryn H. Jacobsen, George Mason University; Y. Tony Yang, George Mason University; Erica J. Street, George Mason University, *Estimating Vaccine-preventable Disease Outbreak Risk at a Local Scale*.
 6:00 Shiran Zhong*, University at Buffalo, the State University of New York; Ling Bian, University at Buffalo, the State University of New York, *Location-centric prediction of influenza dynamics using deep learning approaches*.
 6:20 Yanjia Cao*, University of Maryland; Kathleen Stewart, University of Maryland, *Geographic Patterns of End-Stage Renal Disease and Kidney Transplants in the Midwestern United States*.
 6:40 Xi Cheng*, University At Buffalo; Ling Bian, University at Buffalo, *Cluster Analysis of Pandemic (H1N1) 2009 and Influenza-Like Illness in a Metropolitan Area*.

3671. Spatial Analysis and Modeling (SAM) Specialty Group, American Association of Geographers & Geographical Analysis Plenary Lecture (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Golden Gate Room, Hotel Nikko, 25th Floor (Panel Session)
 ORGANIZER(S): Nazli Z. Uludere Aragon, Arizona State University
 CHAIR(S): Serge Rey, Arizona State University
 Introducer: Serge Rey
 5:35 Alexander Stewart Fotheringham, Arizona State University

3672. Population, Peri-(Urbanization), and Water and Sanitation Delivery in Sub-Saharan Africa (Sponsored by Cultural and Political Ecology Specialty Group, Africa Specialty Group, Water Resources Specialty Group)

Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Ellis Adjei Adams, Michigan State University
 CHAIR(S): Ellis Adjei Adams, Michigan State University
 5:20 Ellis Adjei Adams*, Michigan State University, *So Close to the Cities, So Far from the Taps: Household Water Insecurity in Malawi’s Peri-Urban and Informal Settlements*.
 5:40 Sara Beth Keough, Ph.D.*, Saginaw Valley State University; Scott M Youngstedt, Ph.D., Saginaw Valley State University, *Producing and Consuming “Pure” Water:*

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Exploring the Sachet Drinking Water Economy in Niamey, Niger.

- 6:00** Daniel Muasya Nzengya, PhD*, St Pau's University, *Households' Water, Sanitation and Hygiene Knowledge, Attitudes and Practices Along Peri-Urban to Rural Gradient: A Study in Kenya.*
- 6:20** Charisma S Acey, Ph.D.*, University of California - Berkeley, *Water as an Asset: Exploring Vulnerability and Governance in Urban and Peri-Urban Lagos.*
- 3673. Land Use and Livelihoods in the United States (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group, Geographies of Food and Agriculture Specialty Group)**
- Room:* Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Chris Laingen, Eastern Illinois University
 CHAIR(S): Chris Laingen, Eastern Illinois University
- 5:20** John A. Cross, Ph.D.*, University of Wisconsin-Oshkosh, *Occupation Patterns of Amish Settlements in Wisconsin.*
- 5:40** Christopher R. Laingen*, Eastern Illinois University, *The Geography of Sorghum in the United States.*
- 6:00** John C. Hudson*, Northwestern University, *Geography of Organic Agriculture in the United States.*
- 6:20** Roger F. Auch*, United States Geological Survey, *The Gradient of Land-Use Intensity across the Greater Ozarks.*
- 6:40** Ryan E. Baxter*, Penn State University; Kirby Calvert, PhD, University of Guelph, *Estimates and Explorations of Abandoned Cropland in the United States.*
- 3674. The Human Dimension of Global Change: Integrated Approaches to Sustainability**
- Room:* Bellevue Room, Marker Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Ashley Pilipiszyn, University of Geneva
 CHAIR(S): Alexandre Hedjazi, University of Geneva
- 3675. GORABS Annual Lecture: Sanctuary and Refugees in Europe (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
- Room:* Paris North, Marker Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Justin Tse, University of Washington
 CHAIR(S): Justin Tse, University of Washington
 Panelists: Katharyne Mitchell, University of Washington
- 3676. Mapping Race and Memory**
- Room:* Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Juan Herrera, Oregon State University
 CHAIR(S): Natchee Barnd, Oregon State University
- 5:20** Teresa Irene Gonzales, Ph.D.*, Knox College, *Promoting Fun: The Importance of "Play" in Cultivating Black and Latin@ Counterpublics within Chicago..*
- 5:40** Juan Herrera*, Oregon State University; Juan Herrera, PhD, Oregon State University, *Spatializing Chicano Power: Cartographic Memory and Community Practices of Care.*
- 6:00** Natchee Blu Barnd, PhD*, Oregon State University, *Remaking Native Space.*
- 6:20** Edgar Sandoval*, University of Washington, *Geographies of Violence in Brazil: Methods and Racial Domination.*
- 3677. How to navigate the job market: Advice on tactics and strategy for academic and non-academic jobs. (Sponsored by Paleoenvironmental Change Specialty Group)**
- Room:* Athens North, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Vachel Carter, University of Utah
 CHAIR(S): Vachel Carter, University of Utah
 Introducer: Vachel Carter
 Panelists: Kevin Gilmore, HDR Inc.; Sally P. Horn, University Of Tennessee; Maria Caffrey, University of Colorado Boulder
- 3678. Hazards Risks and Disasters 10: Weather Hazards and Response**
- Room:* Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Eric Tate, University of Iowa; Tim G. Frazier, University of Idaho
 CHAIR(S): Eric Tate, University of Iowa
- 5:20** Joshua John Hatzis*, University of Oklahoma; Harold Brooks, PhD., National Severe Storms Laboratory; Aondover Tarhule, PhD., University of Oklahoma, *Diagnosing Tornado Intensity and Frequency from the Atmospheric Environment in the US Southern Plains.*
- 5:40** Kevin Ash*, University of South Florida, *Statistical Modeling of Tornado Warning Evacuation Intentions for Mobile Home Occupants.*
- 6:00** Samuel Y. Lobby*, University of Kansas, *Fired Up: The Geography of Federal Wildland Firefighter Safety in Perspective.*
- 6:20** Kiran KC*, University of Queensland; Jonathan Corcoran, Associate Professor, University of Queensland, *Modelling Fire Incident Response Time: A Spatial Analytic Approach.*
- 3679. Locating Humanitarian Violence 2: Humanitarian Violence as a Technology of Governance**
- Room:* Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Killian McCormack, University of Toronto; Andrew Merrill, University of Toronto; Benjamin Patrick Butler, University of Toronto
 CHAIR(S): Andrew Merrill, University of Toronto
- 5:20** Jennifer Greenburg*, University of California Berkeley, *Women at War: locating gendered humanitarian violence.*
- 5:40** Killian McCormack*, University of Toronto, *Winning in the human domain: humanitarianism, human intelligence, and the biopolitics of US special warfare.*
- 6:00** Diana Griesinger*, Department of Geography, Heidelberg University, *The Single Story of Disasters and Aid - on Humanitarian Discourse and the Rationalities of Humanitarian NGOs.*
- 6:20** James Walker*, University of California - Los Angeles, *The rise of GEOINT: Technology, Intelligence, and Human Rights..*
 Discussant(s): David Vine, American University
- 3680. Manufacturing geographies of memory III: History, Identity, and Landscape (Sponsored by Study of the American South Specialty Group, Cultural Geography Specialty Group)**
- Room:* Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Matthew Cook, University of Tennessee; Emma Jay Walcott-Wilson, Missouri University
 CHAIR(S): Emma Jay Walcott-Wilson, Missouri University
- 5:20** Kiley Goyette*, Concordia University, *"It's Our Goal to Make Them Care": History, Identity & Neighbourhood Change in Montreal's Park Extension.*
- 5:40** Blake Lyle Mayberry, PhD*, Red Rocks Community College, *Prairies and Public Memory in the American "Heartland".*
- 6:00** Matt Erbes*, University of Missouri Department of Geography, *Tracing the History of State History: changing narratives in the Michigan Historical Marker Program.*
- 6:20** Mark Alan Rhodes*, Kent State University, *Exhibiting Memory: Temporary, mobile, and participatory memorialization and the Let Paul Robeson Sing! exhibition.*
- 6:40** Kevin Durand*, University of Tennessee-Knoxville, *Roots, Ruins, and Renewal: The Past, Present, and Future of Two Former Coal Mining Communities in Harlan County, Kentucky.*

THURSDAY, MARCH 31 • 5:20 PM - 7:00 PM • 3600

- 3681. Managing Race: Eugenic Spaces and Geographies of Scientific Difference**
Room: *Caracas, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Benjamin Rubin, CUNY - Graduate Center
 CHAIR(S): Benjamin Rubin, CUNY - Graduate Center
5:20 Sarah Stinard-Kiel*, Temple University, *Beyond the 'psycho-fix': Exploring the political potentials of new trauma discourses.*
5:40 Emily R. Mitchell-Eaton*, Syracuse University, *Nuclear assemblages: Bodies, bombs, and the necropolitics of resistance.*
6:00 Meredith A. Palmer*, UC Berkeley, *Native American Ancestry, diabetes, and the genetic expedition.*
 Introducer: Benjamin Rubin
 Discussant(s): Katherine McKittrick, Queen's University
- 3682. Coastal and Marine**
Room: *Beijing, Marker Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Samantha Cope
5:20 Anna Studwell, Masters candidate*, San Francisco State University, Romberg Tiburon Center, Point Blue Conservation Science; Ellen Hines, SFSU, Romberg Tiburon Center; Barbara Holzman, SFSU; Meredith Elliott, Point Blue Conservation Science; Julie Howar, Point Blue Conservation Science; Nadav Nur, Point Blue Conservation Science; Jaime Jahncke, Point Blue Conservation Science, *Informing Ocean Zoning Using Predictive Modeling of High-use Foraging Habitat of Pelagic Seabirds in Central California.*
5:40 Nadine Heck*, University of California Santa Cruz, *Coastal Residents Perception of Seawater Desalination and Its Impacts on Coastal Ecosystems.*
6:00 Samantha Cope*, University of South Florida St. Petersburg; Barnali Dixon, University of South Florida St. Petersburg; Renee Duffey, Florida Fish and Wildlife Conservation Commission, *Integration of GIS and logistic regression to develop a habitat suitability model for predicting seagrass distribution.*
- 3683. Roundtable Discussion in Honor of Michael Watts**
Room: *Metropolitan A, JW Marriott Hotel, 2nd Floor* (Panel Session)
 ORGANIZER(S): Rod Neumann, Florida International University; Richard A. Schroeder, Rutgers University
 CHAIR(S): Richard A. Schroeder, Rutgers University
 Panelists: Susanne E. Freidberg, Dartmouth College; James McCarthy, Clark University; Judith Carney, UCLA; Jesse Ribot, University of Illinois; Teo Ballve, Colgate University; Tad Mutersbaugh, University of Kentucky
- 3684. Session III - Natural Disasters and Tourism: Remembering the 1906 San Francisco Earthquake, Visiting and Managing Memorials at Earthquake and other Natural Disaster Sites (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: *Metropolitan B, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Rudi Hartmann, University of Colorado
 CHAIR(S): Rudi Hartmann, University of Colorado
5:20 Carolin Funck*, Hiroshima University, *Move forward while remembering the past: Earthquake memorial tourism in Japan.*
5:40 Shengrong Chen*, Sun Yat-sen University, *Commemorating the 1976 Tangshan Earthquake in China: Neglected Death at a Dark Heritage Site.*
6:00 Yong Tang*, Chengdu University Of Technology, *Dark Touristic Perception: Motivation, Experience and Benefits Interpreted from the Visit to Seismic Memorial Sites in Sichuan Province.*
6:20 Xiaoping Yang*, *A study on dynamic mechanism and symbiotic model of dark tourism: Reconstruction of experience of Wenchuan Earthquake.*
 Discussant(s): Rudi Hartmann, University of Colorado
- 3685. Potpourri**
Room: *Metropolitan C, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Marijn Nieuwenhuis, University of Warwick, PAIS/SOAS
5:20 David Neal Miller*, The Ohio State University, *"Benk aheym un has dayn heymland [Long for Home and Hate Your Homeland]": Geographic Disambiguation of an Ostensibly Elusive Literary Text.*
5:40 Marijn Nieuwenhuis*, University of Warwick, *In the sinkhole, past the magnolias, underneath the live oaks, geology and Gods meet.*
6:00 Jason R. Rhodes*, Kennesaw State University, *Remembering the Past to Engage the Present: Radical Walking Tour, Atlanta.*
6:20 Julie Osayande Enoma Calus*, *Safety: A major concern in geographical fieldwork in Nigeria..*
6:40 Key MacFarlane*, University of Washington, *Spacious Firmament: The Matrix Organization and the Production of Authority.*
- 3686. Secondary Cities: Planning for Urban Sustainability and Resilience (Sponsored by AAG Mapathon)**
Room: *Salon I, JW Marriott Hotel, 2nd Floor* (Panel Session)
 ORGANIZER(S): Melinda J. Laituri, Colorado State University
 CHAIR(S): Melinda J. Laituri, Colorado State University
- 3687. Geomorphology**
Room: *Salon II, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Galina Yamskikh, Siberian Federal University
5:20 Galina Yamskikh*, Siberian Federal University, *Paleogeographic conditions of the Holocene in the territory of the Krasnoyarsk basin.*
5:40 Bruce Martin Hall, PhD Southern Illinois University*, Kutztown University, *Instructor.*
6:00 Jeffrey Schaffer*, Retired from Napa Valley College, *Origin and Evolution of the Sierra Nevada Late Cenozoic Major Uplift and Major Incision Paradigm.*
6:20 Bill Peppin, Ph.D.*, Retired, *Minor Late Cenozoic incision in the Feather River drainage implies minor late Cenozoic uplift of the Sierra Nevada range of California.*
6:40 Amnah M Elaji, Ph.D Student*, University of Missouri - Kansas City; Amnah M Elaji, Ph.D Student, UMKC, *Application of GIS in Building a Database of the Morphometric Characteristics and their Hydrological Significances in the Yalamlam Basin, in Saudi Arabia.*
- 3688. Journeying Young People: Practices, Methods, Experiences, Desires III - Voyaging Independently (Sponsored by Cultural Geography Specialty Group)**
Room: *Salon III, JW Marriott Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Tracey Skelton, National University of Singapore; Amy Aileen Donovan, University of Oxford
 CHAIR(S): Tracey Skelton, National University of Singapore
5:20 Amy Aileen Donovan, Ph.D.*, University of Oxford, *Travelling with My Roaddawgz and the Youth Trek Study: Mobile Homeless Youth Document their Journeys across the USA.*
5:40 Sarah A. Blue, PhD*, Texas State University; Rebecca M Torres, PhD, University of Texas-Austin; Kate Swanson, PhD, San Diego State University; Amy Thompson, University of Texas-Austin; Oscar Hernández Hernández, PhD, COLEF-Matamoros, *The Interrupted Journey North: Examining Agency in Central American and Mexican Child Migration to the United States.*
6:00 Anne Harju*, Malmö university; Norma Montesino, Lund University, *Child and youth mobility - challenges for the educational systems.*
6:20 Hannah Rushton*, University of London, Birkbeck College, *The precarious journey.*
 Discussant(s): Kate Boyer, Cardiff University

THURSDAY, MARCH 31 • 7:10 PM - 8:10 PM • 3700

- 3707. Cryosphere Specialty Group Business Meeting (Sponsored by Cryosphere Specialty Group)**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Meeting Session)
- 3720. Committee on the Status of Women in Geography (CSWG): Mentoring Network for Women Geographers**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Meeting Session)
 ORGANIZER(S): Lisa Davis, University of Alabama; Jessica Jacobs, Queen Mary University of London
- 3728. Latin America Specialty Group Business Meeting (Sponsored by Latin America Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Meeting Session)
- 3737. Environmental Perception and Behavioral Geography Specialty Group Business Meeting (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Meeting Session)
- 3741. Canadian Studies Specialty Group Business Meeting (Sponsored by Canadian Studies Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Meeting Session)
- 3744. Human Dimensions of Global Change Specialty Group Business Meeting (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Union Square 17, Hilton Hotel, 4th Floor (Meeting Session)
- 3745. Cyberinfrastructure Specialty Group Business Meeting (Sponsored by Cyberinfrastructure Specialty Group)**
Room: Union Square 18, Hilton Hotel, 4th Floor (Meeting Session)
- 3746. Geomorphology Specialty Group Business Meeting (Sponsored by Geomorphology Specialty Group)**
Room: Union Square 19, Hilton Hotel, 4th Floor (Meeting Session)
- 3747. Economic Geography Specialty Group Business Meeting (Sponsored by Economic Geography Specialty Group)**
Room: Union Square 20, Hilton Hotel, 4th Floor (Meeting Session)
- 3749. Hazards, Risks, and Disasters Specialty Group Business Meeting (Sponsored by Hazards, Risks, and Disasters Specialty Group)**
Room: Union Square 22, Hilton Hotel, 4th Floor (Meeting Session)

THURSDAY, MARCH 31 • 7:00 PM - 9:00 PM

AAG International Reception - Special Event

Room: Continental 1, Hilton Hotel, Ballroom Level

This reception is an opportunity to see old friends and meet colleagues at the AAG Annual Meeting. Two free drink tickets are provided in your registration packet. Live top hits through the decades will be performed by Richard Olsen Orchestra.

THURSDAY, MARCH 31 • 8:10 PM - 9:10 PM • 3800**3841. Biogeography Specialty Group Business Meeting (Sponsored by Biogeography Specialty Group)**

Room: Union Square 14, Hilton Hotel, 4th Floor (Meeting Session)

3845. Geography of Religions and Belief Systems Specialty Group Business Meeting (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Meeting Session)

3850. Cultural and Political Ecology Specialty Group Business Meeting (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Union Square 25, Hilton Hotel, 4th Floor (Meeting Session)

3862. Historical Geography Specialty Group Business Meeting (Sponsored by Health and Medical Geography Specialty Group)

Room: Mendocino I, Hotel Nikko, 2nd Floor (Meeting Session)

3866. Geographic Information Science and Systems Group Business Meeting (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Meeting Session)

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

For special events, please see the Special Events & Meetings Summary on pages 54-58.

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FRIDAY, APRIL 1 • Poster Sessions

Physical Geography Poster Session II - Featured Session

Room: Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)

Poster setup: 7:30 a.m. - 8:00 a.m.

Poster display and discussion: 8:00 a.m. - 11:40 a.m.

- Charles Truettner*, University of Nevada, Reno; William R. L. Anderegg, University of Utah; Franco Biondi, University of Nevada, Reno; George W. Koch, Northern Arizona University; Marcy E. Litvak, University of New Mexico; Kiona Ogle, Northern Arizona University; Christopher Schwalm, Northern Arizona University; John D. Shaw, U.S. Forest Service; Adam Wolf, Princeton University; Emanuele Ziaco, University of Nevada, Reno, *Poster #001: Drought legacies over the past 60 years in tree-ring records from the Four Corners region, USA.*
- Bradford Lee Bates*, University of Alabama, *Poster #106: Using Local Knowledge to Map Nationwide Belizean Sport Fisheries.*
- George P. Malanson*, University of Iowa & National Science Foundation; Lynn M Resler, Virginia Tech; Diana F Tomback, University of Colorado - Denver, *Poster #002: A Size-Growth Gradient Hypothesis Model for Alpine Treeline Ecotones with Climatic Variation and Extremes.*
- Briana Berkowitz*, Miami University, *Poster #003: The Increasing Range of Corallita (Antignon leptopus) on St. Eustatius, Dutch Caribbean.*
- Lee Ann Nolan*, West Virginia University; Jonathan Hall, West Virginia University; Jamison Conley, West Virginia University, *Poster #004: Cluster Analysis of Foraging Sites for the California Condor.*
- Cara Steger*, Colorado State University; Julia Klein, Colorado State University; Catherine Tucker, University of Florida; Anne Nolin, Oregon State University; Robin Reid, Colorado State University, *Poster #107: Mountain Sentinels: A Transdisciplinary Network Addressing Complex Sustainability Challenges of Mountain Socio-Ecological Systems.*
- Jessica Lee*, University of Delaware; Tracy L. DeLiberty*, University of Delaware; Matthew Oliver, University of Delaware; Ari Friedlaender, Oregon State University, *Poster #005: Satellite tracking of Antarctic minke whales (Balaenoptera bonaerensis) in a dynamic sea ice habitat along the West Antarctic Peninsula.*
- Chance Raso, Master's student*, Virginia Tech; Tom Saladyga, Assistant Professor, Concord University, *Poster #006: Climate Response of Two Central Appalachian Rimrock Yellow Pine Species using a Composite Growth Chronology.*
- Tracy H. Allen, Ph.D.*, SUNY College at Oneonta, *Poster #007: Plant Succession on Three Different Aged Glacial Surge Surfaces.*
- Anna Rose Gibson*, University of Colorado Denver; Anthony William Cross, University of Colorado Denver, *Poster #008: The Canada Lynx: a Habitat Suitability Analysis for Rocky Mountain National Park.*
- Ashley Enrici*, University of Maryland, *Poster #108: Identifying challenges for REDD+ success in Indonesia: a case study of three project sites.*
- Jill S. Heaton, PhD*, University of Nevada, Reno; James O. Juvik, PhD, University of Hawaii, Hilo; Kiinge K. Amutenya, M.S., Polytechnic of Namibia; A. Ross Kiestler, PhD, The Turtle Conservancy; Kenneth E. Nussear, PhD, University of Nevada, Reno; Kirsten E. Dutcher, M.S., University of Nevada, Reno, *Poster #009: Serrated Tent and Leopard Tortoise Movement Patterns, Namibia, Africa.*
- Linda R. Barrett*, University of Akron, *Poster #010: Site Characteristics of Farm Woodlots in Northern Ohio.*
- Jonathon Davis Rodger Hogue*, Miami University, *Poster #011: Predictive Modeling of Habitat Conditions for American Beech in Ohio.*
- Lijuan Zhang*, Harbin Normal University, *Poster #109: Analysis of Changes in the Near-Ground Concentrations of Atmospheric Oxygen in Harbin, China.*
- Remi Bardou*, UCLA; Kyle Cavanaugh, UCLA, *Poster #012: Modeling Mangroves Range Limit Shifts in the North Pacific Coast in Response to Climate Change.*
- Yinghua Zheng*, Beijing Normal University, Zhuhai; Rui Liu*, Beijing Normal University, Zhuhai, *Poster #013: Study on the Plants Arrangement of Flyovers Greening in Guangzhou, China.*
- Melanie Stine*, Sweet Briar College, *Poster #014: The relationship between Landscape Patches and Deer Paths in Southern Appalachian Peatlands.*
- Lifeng Yuan*, Nanjing University of Posts and Telecommunications; Guishan Yang, Key Laboratory of Watershed Geographic Sciences, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences; Zengxin Zhang, Jiangsu Key Laboratory of Forestry Ecological Engineering, Nanjing Forestry University, *Poster #015: Spatio-temporal Variation Analysis of Precipitation during 1960-2008 in the Poyang Lake Basin, China.*
- Terry A. Slocum, Emeritus Professor*, University Of Kansas; Dan R. Hirmas, Associate Professor, University of Kansas; Anna L Johnson, Graduate Student, University of Kansas; James R Miller, Associate Professor, University of Kansas; Steve T Hasiotis, Professor, University of Kansas; Alan F Halfen, Visiting Assistant Professor, University of Kansas; William C Johnson, Professor, University of Kansas, *Poster #110: Increasing Conceptualization of Soil Structure through Digital and 3-D Printing Technologies.*
- Cody J. Carmody*, University of Wisconsin-Platteville; Gregory M. Arther, University of Wisconsin-Platteville; Amanda M. Carpenter, University of Wisconsin-Platteville; Philip T. Schulz, University of Wisconsin-Platteville; Giselle Varrientos, University of Wisconsin-Platteville; Kendell R. Welch, University of Wisconsin-Platteville; Christopher A. Underwood, University of Wisconsin-Platteville, *Poster #016: Soil charcoal analysis of past environments: determining the potential for millennial-scale interpretations in the Driftless Area, U.S.A..*
- Jason Allard*, Valdosta State University, *Poster #017: A Comparison of Seasonal Precipitation Totals from Automated Weather Stations and United States Historical Climatology Network Stations in Georgia.*
- Belayet Khan*, Eastern Illinois University, *Poster #018: An Appraisal of Weather Variability in Bangladesh.*
- Mario Nicholas Garza*, Department of Geography, Virginia Tech; Lynn M Resler, Department of Geography, Virginia Tech; Andrew Ellis, Department of Geography, Virginia Tech; Yang Shao, Department of Geography, Virginia Tech, *Poster #019: Climatological Analyses of the Mountain Pine Beetle Dendrocronus ponderosae, Infestations, in the Crown of the Continent Ecosystem from 1962 to 2014.*
- John CH Chiang*, University of California - Berkeley; Leif Swenson, University of California, Berkeley; Wenwen Kong, University of California, Berkeley, *Poster #020: Analysis of East Asian rainfall using Self Organizing Maps: Long-term trends and Paleoclimate applications.*
- Kevin R. Mulligan*, Texas Tech University; Fahad Almutlaq, Texas Tech University, *Poster #111: Analysis of Dune Morphology within the Rub al Khali, Kingdom of Saudi Arabia.*
- Paul Loikith*, Portland State University; J. David Neelin, University of California Los Angeles, *Poster #021:*

FRIDAY, APRIL 1 • Poster Sessions

- The Effect of Non-Gaussian Temperature Probability Distribution Tails on Future Changes in Extreme Temperatures.*
- Margaret M Sugg*, Appalachian State University; Christopher M Fuhrmann, Mississippi State University; Charles E Konrad, University of North Carolina at Chapel Hill, *Poster #022: Spatiotemporal Patterns of Hypothermia and Temperature across North Carolina, 2007 - 2012.*
- Paul A. Knapp*, University of North Carolina Greensboro; Justin T. Maxwell, University of Indiana Bloomington; Peter T. Soule, Appalachian State University, *Poster #023: A bicentennial reconstruction of tropical cyclone rainfall variability derived from longleaf pine (Pinus palustris Mill.).*
- Peter Soule*, Appalachian State University; Paul Knapp, University of North Carolina - Greensboro; Justin Maxwell, Indiana University, *Poster #024: Reconstructing Arctic sea-ice extent and summer surface temperature in the northern Rockies, USA using multi-century alpine larch tree-ring records.*
- Chantelle Davis*, Fort Hays State University; Leslie Cain, Fort Hays State University; Brittany Farmer, Fort Hays State University; Larissa Howard, Fort Hays State University; Catherine Wiebe, Fort Hays State University; Grady Dixon, Fort Hays State University; Keith Bremer, Fort Hays State University, *Poster #025: Bubbles of Ignorance: Do perceptions of local tornado risk match reality?.*
- Debasree Chatterjee-Dawn, Ph.D.*, North Dakota State University; Debasree Chatterjee-Dawn, Ph.D., Assistant Professor at Geosciences, North Dakota State University, *Poster #112: Role of soil characteristics and hillslope hydrology in relation to slope breaks in the events of rain-induced shallow landslides in northeastern Japan..*
- Zachary Suriano*, University of Delaware, *Poster #026: Lake Effect: A Synoptic Approach to Seasonal Snowfall Trends.*
- Analyse Gaspich*, Kutztown University of Pennsylvania; Micheal Davis, Kutztown University of Pennsylvania, *Poster #027: Variability in Pennsylvania Winter Snow Totals, 1980-2010.*
- Julie Marie Sanchez*, Pennsylvania State University, *Poster #028: The changing climate: Arctic amplification and its impacts on the jet stream and middle-latitude climates.*
- Christopher T Madden*, Kutztown University of Pennsylvania; Michael A Davis, Kutztown University of Pennsylvania, *Poster #029: Oscillations in the Winter Polar Jet Stream Over North America.*
- Alexis Cooley, MS Candidate*, Portland State University; Heejun Chang, Professor, Portland State University, *Poster #113: Trends in Hourly Precipitation Intensity in Portland, OR.*
- Nicholas James Sokol*, Louisiana State University, *Poster #030: A Preliminary Analysis of Winter Lightning Occurrence in Baton Rouge, LA.*
- Joshua J Rosen*, University of Georgia; Thomas L Mote, PhD, University of Georgia, *Poster #031: A Synoptic Climatology of Greenland Ice Sheet Surface Mass Balance (1871-2012) Using Self-Organizing Maps.*
- Ulisses Franz Bremer*, Universidade Federal do Rio Grande do Sul; Maria Eliza Sotille, CPC-UFRGS; André Medeiros de Andrade, CPC-UFRGS, *Poster #032: Glacier dynamics and geoenvironments in Hope Bay, Antarctic Peninsula during the period of 1985 to 2015.*
- Jennifer Newall*, Department of Physical Geography, Stockholm University; Jacob Bendle, Department of Geography, Royal Holloway University of London; Neil Glasser, Centre for Glaciology, Department of Geography and Earth Sciences, Aberystwyth University; Clas Hättestrand, Department of Physical Geography, Stockholm University; Arjen Stroeven, Department of Physical Geography, Stockholm University; Jonathan Harbor, Department of Earth, Atmospheric, and Planetary Sciences, Purdue University; Ola Fredin, Geological Survey of Norway, Trondheim, Norway; Irina Rogozhina, Helmholtz Centre Potsdam GFZ German Research Centre For Geosciences; Jorge Bernales, Helmholtz Centre Potsdam GFZ German Research Centre For Geosciences; Jakob Heyman, Department of Earth Sciences, University of Gothenburg; Derek Fabel, Scottish Universities Environmental Research Centre, Glasgow; Nathaniel Lifton, Department of Earth, Atmospheric, and Planetary Sciences, and Purdue Rare Isotope Measurement Laboratory (PRIME Lab), Purdue University, *Poster #033: Reconstructing the glacial history of western Dronning Maud Land, Antarctica.*
- Alexandria Costello*, Portland State University, *Poster #114: The Beaver State: Urban Beaver Management in Oregon.*
- Sarah Johnson*, Texas Tech University, *Poster #034: Textures of Dunes in Arid and Semi-Arid Regions.*
- Yang HAN*, School of Geography Science, Northeast Normal University, Changchun, Jilin Province, China, *Poster #035: Analysis On Polarized Spectral Characteristics With Different Soil Moisture.*
- Dylan O. Nielsen, B.S.*, University of Northern Iowa; Andrei V. Kushkin, M.A., University of Northern Iowa; Andrey N. Petrov, Ph.D, University of Northern Iowa, *Poster #036: A New Wind Resources Characterization Map for Iowa: Developing Multiseasonal Empirically-Driven Land-Cover-Sensitive Methodology.*
- Raj Butalia*, North Carolina State University, *Poster #115: Incorporating Soils Knowledge in K-12 Earth Science Curricula.*
- Giselle Varrientos*, University of Wisconsin - Platteville; J. Elmo Rawling, III, Wisconsin Geological and Natural History Survey; Amy Myrbo, National Lacustrine Core Facility, Department of Earth Sciences, University of Minnesota-Twin Cities; Christopher A. Underwood, University of Wisconsin-Platteville, *Poster #037: High resolution grain-size analysis from Little Sandy Lake, Minnesota.*
- Anthony M Foyle*, Penn State Behrend, *Poster #038: Dynamics of an Unconfined Coastal Aquifer on a Late Holocene Strandplain, Lake Erie, United States.*
- Austin Bush, Auburn University; Stephanie L. Shepherd*, Auburn University, *Poster #039: Automated mapping of fluvial terraces in a high relief watershed in ArcGIS using TerEx Toolbox: Buffalo River Watershed, AR.*
- Shubhechha Thapa*, Department of Geography, Center for Geospatial Science, Applications and Technology, Texas A&M University; Michael P. Bishop, PhD, Department of Geography, Center for Geospatial Science, Applications and Technology, Texas A&M University, *Poster #040: Geomorphometry for the Assessment of Morphotectonic Features in the Karakoram Himalaya, Pakistan.*
- Courtney M. Cooper*, University of Idaho; Baker Perry, Ph.D., Appalachian State University; Anton Seimon, Ph.D., Appalachian State University; Maxwell Rado, National University of San Antonio Abad in Cuzco (UNSAAC), *Poster #116: Citizen Science Climate Observations in Data Scarce Regions of the Tropical Andes.*
- Akif Karatepe*, Sakarya University; Nurgeldi Arbatov, Sakarya University, *Poster #041: Geomorphology of Turkmenistan.*
- Guillermo Cisneros Maximo, Msc, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; Manuel E. Mendoza, PhD*, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; José Luis Macías, PhD, Instituto de Geofísica, Universidad Nacional

FRIDAY, APRIL 1 • Poster Sessions

- Autónoma de México, *Poster #042: Hierarquical Geomorphological Mapping of Quinceo Volcanic Complex.*
- Dastagir K Baig*, Department of Civil and Environmental Engineering, University of California - Davis; Gregory B Pasternack, Department of Land, Air, and Water Resources, University of California - Davis; Matthew D Weber, Department of Land, Air, and Water Resources, University of California - Davis, *Poster #043: The role of river corridor topographic variability in controlling hydraulic conveyance and geomorphic process as a function of discharge.*
- Pariya Pourmohammadi*, West Virginia University; Michael P. Strager, West Virginia University, *Poster #117: Analysis of Land Cover and Use Change Drivers in the Central Appalachians.*
- Klaus J. Bayr*, Keene State College, *Poster #044: The Recessions of the Pasterze Glacier, Austria, since the 1980s.*
- Trenton Benedict*, Saginaw Valley State University; Andrew J Miller, PhD, Saginaw Valley State University; Rhett Mohler, Saginaw Valley State University, *Poster #045: Development of Stream Curve Ratings for Saginaw Bay Tributaries for Use in Calibrating and Validating ArcSWAT Hydrologic Models.*
- Jesús Horacio, University of Santiago de Compostela (Galicia, Spain) and University of Concepción (Chile); Víctor Bouzas Blanco*, University of Santiago de Compostela (Galicia, Spain) and Tysgal Consultores; Alfredo Ollero, University of Zaragoza (Spain); Augusto Pérez-Alberti, University of Santiago de Compostela (Galicia, Spain), *Poster #046: Lithotopological Mapping: a Low Economic Cost Tool in Fluvial Geomorphology Characterization.*
- Woonsup Choi*, University of Wisconsin-Milwaukee; Feng PAN, University of Wisconsin-Milwaukee; Changshan WU, University of Wisconsin-Milwaukee, *Poster #118: Impacts of Climate Change and Urban Growth on the Hydrology of the Milwaukee River Basin, Wisconsin.*
- Shelley Morton, University of Colorado Denver; Christy E. Briles*, University of Colorado Denver, *Poster #047: A comparison of different age-depth modeling techniques used in lake sediment paleoecological studies.*
- Darryl Carlyle-Moses*, Thompson Rivers University; Chad Edward Lishman, Msc., Thompson Rivers University, *Poster #048: Rainfall partitioning by juvenile lodgepole pine (Pinus contorta var. latifolia).*
- Manuel Castro*, University of Colorado - Denver, *Poster #049: Utilizing GIS in Assessing the Risk from Patagonian Glacial Lake Outburst Floods.*
- Wilmarie Morales-Soto*, Javier Arce-Nazarro, PhD, University of Puerto Rico, Cayey, *Poster #119: Land cover analysis and the safety of community-managed drinking water.*
- Richard A. Earl*, Texas State University; James F. Petersen, Dept. Geography, Texas State University; Harrison W. Flores-Ortiz, 90070804, Dept. Geography, Texas State University, *Poster #050: Six floods on three branches of the Upper Guadalupe River, Texas.*
- Laura Engells*, Texas State University; David R. Butler, Ph.D., Texas State University, *Poster #051: "Assessing the Risk of Debris Flow Occurrences in Mountainous Recreation Environments: An Application in Glacier National Park, Montana".*
- Alexandra Filipovic*, Clark University; John Rogan, M.A., Ph.D., Clark University Graduate School of Geography; Arthur Elmes, M.A., Clark University Graduate School of Geography; Deborah G. Martin, M.A., Ph.D., Clark University Graduate School of Geography, *Poster #052: Modeling the hydrological ecosystem services of newly planted trees in Worcester, Massachusetts.*
- Yuka Fuchino*, Clark University; John Rogan, Ph.D., Clark University Graduate School of Geography; Deborah Martin, Ph.D., Clark University Graduate School of Geography; Arthur Elmes, Clark University Graduate School of Geography, *Poster #053: Characterizing the social-ecological risks for urban tree cover in Worcester, MA.*
- Eli Goldman*, Clark University; John Rogan, M.A., Ph.D., Clark University Graduate School of Geography; Deborah Martin, M.A., Ph.D., Clark University Graduate School of Geography; Arthur Elmes, M.A., Clark University Graduate School of Geography, *Poster #054: Characterizing the Role of the Built Environment in Determining Juvenile-Tree Survivorship in Worcester, MA.*
- David J. Hill, PhD*, Thompson Rivers University; Jackson Baron, Thompson Rivers University; Brandon Turner, Thompson Rivers University, *Poster #120: Measuring Canopy Interception with Hobbyist Electronics.*
- Seth R. Gorelik*, University of Idaho; Jeffrey A. Hicke, Ph.D., University of Idaho, *Poster #055: Remote Sensing of Drought-Induced Tree Mortality in Northern New Mexico Using Multi-Date Landsat Imagery.*
- Xiwei Guo*, Department of Geography and the Environment, The University of Texas at Austin, *Poster #056: Complexity of channel patterns: understanding anabranching channel from meandering and braided channels.*
- Daniel Howard*, Stinger Ghaffarian Technologies (SGT), Contractor to USGS EROS Center, Sioux Falls, SD 57198, USA; Bruce Wylie, USGS EROS Center, Sioux Falls, SD 57198, USA; Devendra Dahal, Stinger Ghaffarian Technologies (SGT), Contractor to USGS EROS Center, Sioux Falls, SD 57198, USA; Stephen Boyte, Stinger Ghaffarian Technologies (SGT), Contractor to USGS EROS Center, Sioux Falls, SD 57198, USA; Tagir Gilmanov, Gilmanov Research & Consulting, LLP, 1511 8th Street South # 302, Brookings, SD, 57006, USA, *Poster #057: Modeling Carbon Dynamics of Shrubland, Grassland, and Cropland Ecosystems in the Conterminous U.S..*
- Ui Jeong Hwang*, The University of Seoul; MYUNGJE WOO, The University of Seoul, *Poster #058: Measuring Urban Sprawl and Its Characteristics in South Korea.*
- M D Bolt*, *Poster #121: Occurrence of arsenic in surface waters.*
- Lisa M. Kennedy, PhD*, Virginia Tech; Michael J. Burn, PhD, University of the West Indies; Jonathon Holmes, PhD, University College London; Allison Bain, PhD, Université Laval; Jim D. Marshall, PhD, University of Liverpool; Sophia Perdikaris, PhD, Brooklyn College, *Poster #059: Changing Precipitation Drivers Across the LIA from a Sediment Record from Barbuda, Northeastern Caribbean.*
- Devon J Libby*, Minnesota State University; Phillip H Larson, PhD, Minnesota State University; Zachary T Hilgendorf, Minnesota State University; Vinson A Williams, Minnesota State University; Melissa chadwick-camp, Minnesota State University; Darin W Howell, Minnesota State University; Alexander L Aeikens, Minnesota State University; Daniel J Scheeler, Minnesota State University; Jason J Millett, Minnesota State University; Kyle P Rothmeier, Minnesota State University, *Poster #060: Assessing Error and Uncertainty in Remote Analysis of Channel Change Dynamics and Morphology. Case Study: Minnesota River, Minnesota, USA..*
- Isabel Miranda*, Clark University; John Rogan, Graduate School of Geography, Clark University, Worcester MA; Deborah Martin, Graduate School of Geography, Clark University, Worcester MA; Arthur Elmes, Graduate School of Geography, Clark University, Worcester MA; Verna DeLauer, George Perkins Marsh

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- Institute, Clark University, Worcester MA, *Poster #061: Characterizing tree cover change in response to urban greening initiatives using an in situ tree inventory, WorldView-2 and LiDAR data in Worcester, Massachusetts.*
- Dusty Joel Pilkington*, Central Washington University; Megan K. Walsh, PhD, Central Washington University, *Poster #062: Two High-Resolution Macroscopic Charcoal Analyses from Campbell and Green Lakes, Eastern Cascades, Washington.*
- Meixiang Gao, G61310424*, Harbin Normal University, *Poster #122: Spatial relationships between carrion beetle speices are variable across latitudinal gradient.*
- Liubov Presnetsova*, USGS, *Poster #063: X-ray fluorescence analysis of a sediment record from Leonard Lake, Mendocino County, CA.*
- Hannah Rosenblum*, Clark University; John Rogan, M.A., Ph.D., Clark University Graduate School of Geography; Arthur Elmes, M.A., Clark University Graduate School of Geography; Deborah G. Martin, M.A., Ph.D., Clark University Graduate School of Geography, *Poster #064: Characterizing the biophysical properties of juvenile trees within an urban forest using in situ data and LiDAR.*
- Dorothy Sack*, Ohio University; Joshua Will, Ohio University, *Poster #065: Intrinsic and Environmental Characteristics of Three Appalachian Frost Hollows.*
- Carol F. Sawyer*, University of South Alabama; Frances C Mujica, University of South Alabama; James D Norris, University of South Alabama; Logan Hants, University of South Alabama, *Poster #066: Distribution and Morphology of Relict and Active stripes in Eastern Olympic National Park, Washington.*
- Jeong Chang Seong*, University of West Georgia; Ryan Gibbs, University of West Georgia; ChungWeon Oh, University of West Georgia; Jae-Jun Jeong, Sungshin Women's University; Chulsue Hwang, University of West Georgia, *Poster #067: Landsat Big Data Analysis for Water Quality Analysis.*
- Katherine S. Willis, PhD*, UCLA; Gregory S. Okin, PhD, UCLA; Philip W. Rundel, PhD, UCLA; Thomas W. Gillespie, PhD, UCLA; Glen M. MacDonald, PhD, UCLA, *Poster #123: Impact of drought on native southern California vegetation health: a remote sensing analysis.*
- Audrey Kaye Taylor*, University of North Carolina - Wilmington; Michael M. Benedetti, University of North Carolina - Wilmington; Jonathan A. Haws, University of Louisville; Chad S. Lane, University of North Carolina - Wilmington, *Poster #068: Molecular and Isotopic Proxies of Holocene Hydrology and Paleoenvironmental Change at Praia Rei Cortiço, Portugal.*
- Chung Truong-Nguyen*, Clark University, *Poster #069: Using Multi-Criteria Decision Analysis to Select Optimal Tree Planting Sites in Worcester, MA.*
- Jennifer Villa*, Texas State University - San Marcos, *Poster #070: The Women of Geomorphology.*
- Guoqian Yan*, University of Florida; Corene Matyas, University of Florida, *Poster #071: The influences of ENSO and the subtropical Indian Ocean Dipole on tropical cyclone frequency in the southwestern Indian Ocean..*
- Natali Caceres-Arteaga*, Central University of Ecuador; University of New Mexico; Aida Arteaga Mena, Central University of Ecuador, *Poster #124: Impacts of Complex Weather Events in the Ecuadorian Interandine Region: El Niño and La Niña Phenomena.*
- Xiaolin Zhu*, Center for Spatial Technologies and Remote Sensing, University of California - Davis; Eileen Helmer, International Institute of Tropical Forestry, USDA Forest Service; Michael Lefsky, Department of Ecosystem Science and Sustainability, Colorado State University, *Poster #072: Reconstructing Seasonal Landsat Time-Series to Detect Tropical Forest Phenology in Mona Island, Puerto Rico.*
- Jesus Ignacio Zubillaga, Graduate Research Assistant*, University of Oklahoma; Jadwiga Ziolkowska, Assistant Professor, University of Oklahoma, *Poster #073: Application of Environmental Monitoring Information provided by Oklahoma Mesonet.*
- Jamie Shiple*, Towson University; Todd W. Moore, Towson University, *Poster #074: ENSO and Tornadoes in the United States.*
- Estela Vega-Vázquez*, Dalia M. Rodríguez-Maysonet; Patricia M. Rodríguez-Morales; Krystal N. Gerena-Luna; Javier Arce-Nazario, *Poster #125: Coastal changes in Puerto Rico: Erosion and accretion analysis for the years 1977 and 2010.*
- Adam Donald Wysocki*, University of Wisconsin - Eau Claire; Tyler Jerome Aken, University of Wisconsin - Eau Claire; Harry Martin Jol, University of Wisconsin - Eau Claire; Walter L Loope, United States Geologic Survey; Sean M Morrison, University of Waterloo; August Morin, Central High School, St. Paul, MN, *Poster #075: Ground Penetrating Radar Imaging of a Strandplain along Lake Superior, Huron Mountains, Michigan, USA.*
- Junyi Huang*, Hong Kong Baptist University; Qiming Zhou, Hong Kong Baptist University, *Poster #076: Modelling Water Cycle in Aridzone of China by Remote Sensing Change Detection Method.*
- Xiuqin Yin*, School of Geographical Science, Northeast Normal University, Changchun 130024, China, *Poster #077: Response of soil fauna to environmental factors in the low-mountain of the Changbai Mountains, China.*
- XING CHEN*, Chengdu University of Technology, *Poster #78: Study on Geoscience Landscape System and Spatial Characteristics of the Mid-Southern Section of Hengduan Mountains, Southwest China.*
- Dariel Narvaez Arroyo*, University of Puerto Rico; Irma Otilia Caraballo Álvarez*, University of Puerto Rico, *Poster #126: Ground-Penetrating Radar Applications in Tropical Beach Systems.*
- Liam D. Martin*, Regis University; John Sakulich*, Regis University, *Poster #079: Tree Invasion of a Subalpine Fen in Northern Colorado.*
- Hu Jiacong*, Beijing Normal University, Zhuhai; Wei Xin, Beijing Normal University, Zhuhai; Shi Wen, Beijing Normal University, Zhuhai, *Poster #080: The Study Of Gross Ecosystem Product in Guangzhou.*
- Jennifer Meghan Bailey*, University of North Texas; Alexandra Ponette, University of North Texas; Clay Arango, University Central Washington, *Poster #081: Spruce budworm effects on throughfall C, N, and P fluxes in a central Washington forest.*
- Alyssa L. Krantz*, Department of Geography and Anthropology, University of Wisconsin-Eau Claire; Alexis Pingle, University of Minnesota-Twin Cities; Harry M. Jol, Dr., Department of Geography and Anthropology, University of Wisconsin-Eau Claire; Todd Kremmin, Large Lakes Observatory, University of Minnesota-Duluth; Brie D. Jol, Memorial High School - Eau Claire, WI, *Poster #127: Subsurface Investigation of the Wisconsin Point Barrier Spit, USA.*
- Hadi Salim Al-Lafta*, University of Baghdad, *Poster #082: Hydrochemical Characteristics and Seasonal Variations of Al-Hammar Marsh, Southern Iraq.*
- Rong Liu*, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; Jun Wen, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; Xin Wang, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences, *Poster #083:*

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- Validation of evapotranspiration and its long-term trends over the Yellow River source region.*
- Hannah Rae Adams*, Allison Mae Vincent*, Douglas J. Faulkner, PhD, *Poster #084: Patterns of Downstream Fining on the Lower Chippewa River, Wisconsin.*
- Dongyou Zhang*, Key Laboratory of Remote Sensing Monitoring of Geographic Environment, Harbin Normal University, Harbin, *Poster #085: Concentrations of Negative Air Ion and Their Ecological Values of Wetland Environment in City Parks in Harbin City, China.*
- Marjorie Jerez*, Florida State University, *Poster #128: Identifying Critical Salt Marsh Locations for the Inspection of Mangrove Establishment in North Florida.*
- Aoesta K. Mohammed*, University of Kansas; Jude H. Kastens, University of Kansas; William C. Johnson, University of Kansas; Daniel R. Hirmas, University of Kansas, *Poster #086: Predicting Flood Vulnerability in a Developing Urbanized Environment: A Modeling Study for Sulaimanyah, Iraq.*
- Sandra Lucia Almeyda Zambrano*, University of Alabama; Eben North Broadbent, PhD, University of Alabama; Sam Shanee, PhD, Neotropical Primate Conservation; Alma Hernandez Jaramillo, MSc, Neotropical Primate Conservation; Carolina Castillo Lagos, Neotropical Primate Conservation; Noga Shanee, PhD, Neotropical Primate Conservation; Angelica Maria Almeyda Zambrano, PhD, University of Alabama; Robin Fernandez Hilario, Universidad Nacional Agraria La Molina; Italo Revilla, Instituto Científico Michael Owen Dillon; Luis Pillaca Huacre, Universidad Nacional Mayor de San Marcos, *Poster #087: Habitat Use and Preference in the Yellow-Tailed Woolly Monkey (Lagothrix Flavicauda) At Yambrasbamba, Peru.*
- Ahmed Aldughairi*, Saudi, *Poster #088: Dune form and colouration in Nafud Al Thwuryath, Central Saudi Arabia.*
- Arvind Aniel Rombawa Bhuta*, USDA, US Forest Service, Pacific Northwest Region; Matthew Vaughan, Texas A&M University; Andrew Evans, Texas A&M University, *Poster #089: A comparison of the dendroclimatic response of Carolina hemlock at two sites in southwestern Virginia.*
- Nathan Amador*, Ohio Wesleyan University, *Poster #129: Examination of the Piteraq Winds of West Greenland.*
- Cynthia Taylor*, The University of Alabama; Eben N Broadbent, PhD, The University of Alabama; Angelica M Almeyda Zambrano, PhD, The University of Alabama; Michael Caylor, USFS Talladega National Forest, *Poster #090: Spatial and temporal variability of bat composition in the Talladega National Forest, Alabama.*
- Sam Wershow*, Western Washington University, *Poster #091: Modelling Climate-Driven Distribution Shifts for Endemic Alpine Wildflowers on the Olympic Peninsula.*
- Jordan Michael Qualtieri-Tyrrell*, Pennsylvania State University; Michael Priante, Pennsylvania State University; Daniel Fleck, Pennsylvania State University, *Poster #092: Algal Blooming Associated with Hurricane Arthur (2014).*
- Qinghua Ye*, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Zhongyan Wang, Institute of Tibetan Plateau Research, Chinese Academy of Sciences (CAS); Jibiao Zong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences (CAS); Renji Naruse, Glacier and Cryospheric Environment Research Laboratory, 2-339, Higashimachi, Tottori, 680-0011 Japan, *Poster #130: Glacier imbalance constitutes about 50% or more of the Rongbuk runoff in Rongbuk catchment on Mt. Qomolangma from 1974 to 2006.*
- Scott A. Lecce*, East Carolina University; Jessy Van Horn, East Carolina University, *Poster #093: Spatial Variations in Lateral Channel Migration, Blue River, Wisconsin.*
- Melissa M. Goldade*, University of Kansas; William C. Johnson, Ph.D., University of Kansas; Jude H. Kastens, Ph.D., Kansas Biological Survey; Mark W. Bowen, Ph.D., University of Wisconsin-Oshkosh; Daniel R. Hirmas, Ph.D., University of Kansas, *Poster #094: Morphometric and Spatial Perspectives on Playa Basins in the Kansas High Plains.*
- Thomas Anthony Bianchette*, Louisiana State University; Terrence A McCloskey, Louisiana State University; Kam-biu Liu, Louisiana State University, *Poster #095: A 4000 year paleoenvironmental reconstruction from Laguna Nuxco on Mexico's Pacific Coast - A record of Late Holocene extreme events?.*
- Olesya Smyshlyayeva*, Moscow State University; Ekaterina G. Ershova, Moscow State University; Michail Kozhin, Moscow State University; Ksenia Popova, Moscow State University, *Poster #096: Study of vegetation dynamics on the White Sea islands using pollen analysis.*
- Briana Abrahms*, University of California-Berkeley; Dana P Seidel, University of California-Berkeley; Eric Dougherty, University of California-Berkeley; Elliott Hazen, Dr., National Oceanic and Atmospheric Administration; Steven Bograd, Dr., National Oceanic and Atmospheric Administration; Alan M Wilson, Dr., University of London Royal Veterinary College; John W McNutt, Dr., Botswana Predator Conservation Trust; Daniel Costa, Dr., University of California-Santa Cruz; Stephen Blake, Dr., Max Planck Institute for Ornithology; Justin S Brashares, Dr., University of California-Berkeley; Wayne Getz, Dr., University of California-Berkeley, *Poster #097: Synoptic measures and functional movement types in movement ecology.*
- Theodore Dingemans*, University of Nevada, Reno; Scott A Mensing, University of Nevada, Reno, *Poster #131: Examining Pollen - Vegetation Relationships from Open and Forested Landscapes in Central Italy.*
- Jessica Ellis, B.Sc.*, University of Calgary; Scott Jasechko, Ph.D., University of Calgary; John J. Gibson, Ph.D., Alberta Innovates Technology Futures; S. Jean Birks, Ph.D., Alberta Innovates Technology Futures, *Poster #098: Young Water in the Rivers of the Canadian Oil Sands.*
- Ellen L. Clemence*, University of the Fraser Valley, Woods Hole Oceanographic Institution; Bernhard Peucker-Ehrenbrink, Woods Hole Oceanographic Institution; Steven Marsh, University of the Fraser Valley; Sharon Gillies, University of the Fraser Valley; Audrey Faber, University of the Fraser Valley, Woods Hole Oceanographic Institution; Kristina Brown, Woods Hole Oceanographic Institution; Marlena McCabe, University of the Fraser Valley; Alexandra Toner, University of the Fraser Valley, *Poster #099: A clear look at Clayburn Creek: The effect of land-use on major and trace ions, nutrients, and CDOM concentrations at two contrasting sites on Clayburn Creek, BC, Canada.*
- Audrey Faber*, University of the Fraser Valley, Woods Hole Oceanographic Institution; Bernhard Peucker-Ehrenbrink, Woods Hole Oceanographic Institution; Steven Marsh, University of the Fraser Valley; Kristina Brown, Woods Hole Oceanographic Institution; Sharon Gillies, University of the Fraser Valley; Ellen Clemence, University of the Fraser Valley, Woods Hole Oceanographic Institution; Alexandra Toner, University of the Fraser Valley; Marlena McCabe, University of the Fraser Valley, *Poster #100: Investigation into the possible effects of agriculture on the geochemistry of Willband Creek in Abbotsford, BC, Canada.*

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- Sanam K Aksha*, Virginia Tech; Luke Juran, Virginia Tech; Lynn M Resler, Virginia Tech, *Poster #101: Spatial patterns of natural disaster mortality in Nepal.*
- Gemma Gómez-Castillo*, Universidad Nacional Autonoma De Mexico; Manuel E. Mendoza-Cantú, Ph. D, CIGA, Universidad Nacional Autónoma de México; José Luis Macías-Vázquez, Ph. D, Instituto de Geofísica, Universidad Nacional Autónoma de México; Erna Martha López Granados, Ph. D, Instituto de Investigaciones en Ciencias de la Tierra, Universidad Michoacana de San Nicolás de Hidalgo, *Poster #102: Volcanic Risk: A quantitative literature review.*
- Tamara Wall*, Desert Research Institute, *Poster #103: Understanding Wildfire Risk in Southern California Homeowners.*
- Jason T. Sherba*, USGS; Benjamin M. Sleeter, USGS, *Poster #104: Scenarios of land-use change in the conterminous United States: Applying the Representative Concentration Pathway (RCP) land-use projections at the national scale..*
- Samary Ortiz*, UPR- Cayey; Osvaldo Vega, UPR Cayey; Javier Arce, UPR Cayey, *Poster #105: Study of Permeability and Green Areas in the Urbanizations of Cayey and Cidra.*

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Poster Sessions for Friday are located on pages 312-317.

4101. Coastal and Marine Specialty Group Norbert Psuty Student Paper Merit Award (Sponsored by Coastal and Marine Specialty Group)

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Harry Williams, University of North Texas
 CHAIR(S): Harry Williams, University of North Texas
8:00 Donna Selch*, Florida Atlantic University; Caiyun Zhang, Florida Atlantic University, *Extracting Water Column Salinity Data for Shallow Waters by Correcting Reflectance Influences*.
8:20 Laureline GERARD*, Université Cergy-Pontoise; Olivier Brivois, BRGM, *The assessment of the hydromorphological status of coastal water bodies*.
8:40 Gladys Valentin, B.A.*, University of New Mexico; Maritza Barreto, Ph.D., University of Puerto Rico - Rio Piedras, *GIS-based Sub-aerial Beach Inventory of Puerto Rico (2010)*.

4102. Advanced Placement Geographic Information Science and Technology: A Progress Report (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geography Education Specialty Group)

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Michael N. Solem, American Association of Geographers
 CHAIR(S): Michael N. Solem, American Association of Geographers
 Introducer: Michael N. Solem
 Discussant(s): Niem Huynh, American Association of Geographers
 Panelists: Adriana E. Martinez, Southern Illinois University Edwardsville; Jacqueline A. Housel, Sinclair Community College; Ola Ahlqvist, The Ohio State University

4103. Political Ecology of Commodity regions - conceptual and methodological opportunities (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Beatriz Bustos, Universidad de Chile; Manuel Prieto, Universidad Católica del Norte
 CHAIR(S): Beatriz Bustos, Universidad de Chile
8:00 Cristian J Melo, PhD*, Universidad Tecnológica Equinoccial, *Back to the future: the (re) de-commoditization of Ecuadorian Cacao..*
8:20 Mariana Huepe*, Development Planning Unit, University College London, *Territorializing 'the economy': Industrial discourses and the development project in the archipelago of Chiloé*.
8:40 Manuel Prieto*, Universidad Católica del Norte, *The production of copper in the Atacama Desert, Chile: Chronicle of the commodification of a region*.
9:00 Erin Clover Kelly, PhD*, Humboldt State University; Lindsey Holm, Humboldt State University, *Reshaping a regional market: Marijuana cultivation in far northern California at the precipice of legalization*.
9:20 Warwick Murray, Adm.*, Victoria University of Wellington; Johannes Rehner, Dr., Universidad Católica de Chile, *China and the New Pacific Rim Resource Peripheries - Comparing the scale of dependence in New Zealand and Chile*.

4104. Economic Geography and Grand Challenges 1: Multi-stakeholder arenas (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Christian Binz, Harvard University; Teis Hansen, Department of Human Geography and CIRCLE, Lund University; Josephine V. Rekers,

Lund University

CHAIR(S): Josephine V. Rekers, Lund University
 Introducer: James T. Murphy
8:20 Suntutje Schmidt*, Institute for Regional Development and Structural Planning; Felix C. Müller, IRS; Oliver Ibert, IRS; Verena Brinks, IRS, *Open Region - A Policy Model for addressing Grand Challenges*.
8:40 Anke Matuschewski*, Bayreuth University, *Theorizing decline - Some notes on an emerging debate in contemporary economic geography*.
9:00 C. Patrick Heidkamp, Ph.D.*, Southern Connecticut State University; John E. Morrissey, Ph.D., Liverpool John Moores University, *Just Sustainability Transitions in the Coastal Zone*.
9:20 Bernhard Fuhrer*, Swiss Network for International Studies, *Distilling the SDGs - the roles and involvement of Geneva based International Organizations in the creation of the "agenda for change 2030"*.

4105. Ordinary Place Making I (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Hannah Jaicks, The CUNY Graduate Center; David Beel, University of Sheffield
 CHAIR(S): Steve Millington, Manchester Metropolitan University
 Introducer: Steve Millington
8:05 David Beel*, University of Sheffield, *Gathering the past to reshape the present: history, heritage and digital technology in the on-going production of rural places*.
8:25 Pablo Astorga, PhD student (c) at UCL, London*, University College London, *Resisting the ordinary: settlements among growth-driven territories, the case of Toma de Peñalolén*.
8:45 Marinda Griffin*, University of North Texas, *Resettlement and Place-Making in Urban Refugee Farming*.
9:05 Steve Millington*, Manchester Metropolitan University; Tim Edensor, Manchester Metropolitan University, *Learning from Blackpool Promenade: re-energising and re-enchanting sterile streets*.
9:25 Elaine Speight*, University of Central Lancashire, *From Place-making to Place-listening: post-regeneration public art..*

4106. Contestations and negotiations over place in super-diverse neighborhoods 1: Place-making and planning for diversity (Sponsored by Urban Geography Specialty Group)

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Myrte Hoekstra; Fenne Pinkster, Universiteit Van Amsterdam
 CHAIR(S): Myrte Hoekstra
8:00 Antonie Schmitz*, Goethe-Universität Frankfurt a.M., *Sari vs. Dim Sum - Branding Toronto's Super-Diverse Neighbourhoods*.
8:20 Ludek Sykora*, Charles University in Prague; Klara Fiedlerova, Charles University in Prague, *Places of encounter and reconfiguration of urban spaces in new immigrant cities and neighborhoods*.
8:40 Lasse Martin Koefoed*, Roskilde University; Kirsten Simonsen*, Roskilde University, *The appearance of purpose-built Mosque in Copenhagen: Process and design*.
9:00 Heike Hanhoerster*, ILS - Research Institute for Regional and Urban Development; Isabel Ramos Lobato, ILS - Research Institute for Regional and Urban Development, *"There is no interest in contact and we cannot enforce it": Child-related infrastructure in diverse urban neighbourhoods as facilitator for inter-group resource transfer?.*
9:20 Ingmar Pastak*, University of Tartu; Kadri Leetmaa, University of Tartu; Johanna Holvandus, University of

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Tartu, *Local Residents' Perceptions of Urban Diversity in Neighborhoods Dealing with Gentrification.*

4107. Global Science 'Scapes 1

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): David Valler

CHAIR(S): Andrew E.G. Jonas, University of Hull

8:00 Jean-Paul Addie*, University College London, *The Appliance of (Urban) Science.*

8:20 David Valler*, Oxford Brookes University; Nicholas A. Phelps*, *The Rural Contradictions of Science Vale UK.*

8:40 Philip Cho, Ph.D.*, Yonsei University, *Metaphors of Migration in the Development of Singapore's Scientific Networks.*

9:00 Tian Miao*, University of Glasgow, *Transnational Science Spaces and Policy Transfer: case study of Sino-Singapore Science Parks.*

9:20 Franziska Eckardt*, Center for Higher Education Policy Studies, University of Twente, PO Box 7500AE, Enschede, the Netherlands; Paul Bennenworth, DR., *High technology fantasies in the Delta? Constructing a national strategic science site in the Dutch post-industrial periphery.*

4108. The View From the Air

Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert M. Kerr, US Air Force Air Command and Staff College

8:00 Qi Chen*, University of Hawaii at Manoa; Ronald McRoberts, USDA Forest Service, *Statewide Mapping and Estimation of Vegetation Biomass and Carbon Using Airborne Lidar.*

8:20 GUO LONG*, Wuhan University/University of Iowa; Linderman Marc, *Combining the environmental factors and hyperspectral remote sensing images to develop the accuracy and efficiency of estimating soil organic carbon density.*

8:40 Joel Finnis*, Memorial University of Newfoundland; Heather Reid, University of Guelph, *Summarizing Metocean Conditions as a Climatology of Hazards.*

9:00 Anthony Palizzi*, Harris Corporation, IntelliEarth? Geospatial Solutions, *Benefits of Large Volume Production of High Density Airborne LIDAR using Geiger Mode Technology.*

9:20 Robert M. Kerr*, US Air Force Air Command and Staff College, *Struggling to Get Our Heads Back in the Clouds: The Devolution of Air-Age Geography in the Late 20th Century.*

4109. Point, Line, Plane, Volume: Increasing Dimensionality in Geographic Inquiry II

Room: Plaza A, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Audra El Vilaly, The University of Arizona; Katherine Genevieve Sammler, University of Arizona - Geography & Regional Development

CHAIR(S): Audra El Vilaly, The University of Arizona

8:00 Maral Sotoudehnia, PhD Candidate*, University of Victoria, *Locating 'My place' with Makani: Smart geo-addressing and the 'automatic production' of Dubai's toponymic landscape.*

8:20 John Bronte*, Queen's University Belfast; Philip Boland, Queen's University Belfast, *The Competitive Waterfront in an Era of Neoliberal Urbanism: Who Benefits?.*

8:40 Lindsay Shade, PhD Candidate*, University of Kentucky, Dept of Geography, *Politics below the surface: A legal-political ecology of systemic opacity in the mining sector in Appalachia and the Andes.*

Discussant(s): Kelly J. Vanderbrink, George Mason University

4110. Morning Mapxercise: Demonstration of the ArcGIS Editor for OpenStreetMap (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)

Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Thomas Gertin

CHAIR(S): Thomas Gertin

4111. Deleuzian Geographies: Problems and Milieus 1

Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Andrew Lapworth, University of Bristol;

John-David C. Dewsbury, University Of Bristol; Scott Sharpe, University of New South Wales at Canberra

CHAIR(S): John-David C. Dewsbury, University Of Bristol

8:00 Andrew Lapworth*, University of Bristol, *Deleuze, Cinema, and a Nonhuman Ethics of Individuation.*

8:20 Cassandra Troyan*: Cassandra Troyan, *"Beyond the Face: Faciality, the Victim, and Violence".*

8:40 Jess D. Linz*, University of Kentucky, *Producing Visibility Through Vital Materialist Assemblage.*

9:00 Hao Duan*, The center for economic research, Shandong University, China; Scott Sharpe, School of Physical, Environmental & Mathematical Sciences, University of New South Wales at Canberra, Australia, *Rethinking migration 'decisions' through a Deleuzian-Spinozan lens.*

9:20 Samuel Berlin*, University of Bristol, *Trans Ethics.*

4112. Polar Issues IV: Politics and Governance (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Polar Geography Specialty Group)

Room: Continental 2, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Emily Francis, University of Northern Iowa;

Andrey N. Petrov, University of Northern Iowa

CHAIR(S): Scott Stephenson, University of Connecticut

8:00 Marie Lowe, University of Alaska, Anchorage; Hal Salzman*, Rutgers University, *Arctic Sustainability & Governance Challenges: New Models for Navigating Socio-Economic Transformations.*

8:20 Nathan Kettle*, Alaska Center for Climate Assessment and Policy, *A social network analysis of the climate science practice interface in Alaska.*

8:40 Heather Ward*, USACE ERDC Geospatial Research Laboratory; Laura Jean Palmer-Moloney, PhD, USACE ERDC GRL, *Environmental Security in Two Arctic Watersheds: Natural and Anthropogenic Effects.*

9:00 Marina Timofeyeva-Livezey*, NOAA/NWS; Fiona Horsfall, NOAA/NWS; Richard Thoman, NOAA/NWS Alaska Region, *Strengthening NOAA NWS Support for Arctic Societal Challenges.*

Discussant(s): Rasmus Ole Rasmussen, Nordic Council of Ministers

4113. Author meets the critics: Brett Christophers' "The Great Leveler: Capitalism and Competition in the Court of Law" (Sponsored by Economic Geography Specialty Group)

Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Jamie Peck, University of British Columbia

CHAIR(S): Matthew Sparke, University of Washington

Panelists: Erica Schoenberger, Johns Hopkins University; Michael Webber, University of Melbourne; Shaina Potts, UC Berkeley Geography; Gary Dymski; Jamie Peck, University of British Columbia; Brett Christophers, Uppsala University

4114. Urbanization, nature and development: critical perspectives from the South

Room: Continental 4, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Rodrigo Castriota De Mello Santos, Center for Development and Regional Planning - UFMG; Joao Bosco Moura Tonucci Filho, Universidade Federal De Minas Gerais; Harley Silva, Centre for Development

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- and Regional Planning
 CHAIR(S): Kanishka Goonewardena
 Discussant(s): Roberto Luís Monte-Mór, Universidade Federal De Minas Gerais
 Panelists: Kanishka Goonewardena; Rodrigo Castriota De Mello Santos, Center for Development and Regional Planning - UFMG; Harley Silva, Centre for Development and Regional Planning
- 4116. Chemical Geographies: Science, Politics, and Materiality**
Room: Continental 6, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Matt Huber, Syracuse University; Adam M. Romero, Williams College
 CHAIR(S): Matt Huber, Syracuse University
 Introducer: Matt Huber
 Panelists: Julie Guthman, Univ of California Santa Cruz; Jill Lindsey Harrison, University of Colorado At Boulder; Ryan Edward Galt, University of California - Davis; Becky Mansfield, The Ohio State University; Adam M. Romero, Williams College; Suzana Sawyer
- 4117. Smart + Sustainable? 1: A critical look at digitally-enabled green urbanism**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Alexander Aylett, National Institute for Scientific Research
 CHAIR(S): Andres Luque-Ayala, Durham University, UK
8:00 Alexander Aylett, PhD*, National Institute for Scientific Research; Andres Luque-Ayala, Durham University, UK, "Smart+Sustainable Cities?" *An Introductory Typology and Critique of digitally-enabled approaches to creating sustainable cities.*
8:20 James Evans*, University of Manchester; Andrew Karvonen, University of Manchester; Chris Martin, University of Manchester, *Digital dreams and modular cities: what does smart sustainability look like in practice?*
8:40 Ulysses Sengupta, RIBA, ARB, PG Dip Arch, B Arch (Hons)*, Manchester Metropolitan University; Eric Cheung, PG Dip Arch, B Arch, Manchester Metropolitan University, *Gamifying 'Smarter' Planning: Adaptive and Resilient Future Cities.*
9:00 Rob Raven, Utrecht University; Frans-Hendrik Sengers*, Utrecht University; Peter Pelzer, Utrecht University; Philipp Spaeth, Freiburg University; Martin de Jong, Delft University of Technology, *Smart eco-cities in the making: discourses, institutions and materiality in Dutch and German cities.*
 Discussant(s): Pamela Jean Robinson, Ryerson University
- 4118. Rural agency in the 'green economy' I: Agricultural transformations (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Economic Geography Specialty Group)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Sean Francis Kennedy, UCLA; Tyler Harlan, University of California, Los Angeles
 CHAIR(S): Tyler Harlan, University of California, Los Angeles
8:00 Gerald Schwarz*, Thuenen Institut of Farm Economics; George Vlahos, Agricultural University of Athens; Andis Zilans, University of Latvia; Donna Ramirez Harrington, University of Vermont; Stephen Chaplin, Natural England UK; Inge Aalders, James Hutton Institute; Rob Burton, Centre for Rural Research Norway, *Do WTO requirements restrict agri-environmental programmes to promote greener agricultural production - different interpretations and lessons learnt from the EU and US.*
8:15 Carol Hunsberger*, University of Western Ontario, *Linking Climate Change Strategies and Land Conflicts in Cambodia: Evidence from the Greater Aural Region.*
- 8:30** Emily Wright*, University of Hawaii - Manoa, East-West Center, *Opening Markets, Closing Doors?: Developing Seaweed Production in Indonesia's Blue Economy Era.*
8:45 Sean F Kennedy*, UCLA, *Turning landscapes into latex: the shifting geographies and ideologies of natural rubber.*
 Discussant(s): Marvin Joseph Fonacier Montefrio, Yale-NUS College
- 4119. Relational Poverty 10: Capital in the 21st Century and Multi-Scalar Geographies of Inequality, session 1 (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Socialist and Critical Geography Specialty Group, Economic Geography Specialty Group)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Peter Lindner, University of Frankfurt; Eric S. Sheppard, UCLA
 CHAIR(S): Peter Lindner, University of Frankfurt
 Introducer: Peter Lindner
8:00 Ferenc Gyuris*, Eotvos Lorand University, Dept of Regional Science, Budapest (Hungary), *Inequality Research as Political Discourse.*
8:20 Marianna Pavlovskaya*, Hunter College and CUNY Graduate Center, *Inequality and poverty in Russia: From ontological absence to epistemological normalization.*
8:40 Ginés A. Sánchez Arias*, Louisiana State University, *Autonomous Marxism in Panamá: The Ngäbe Resistance to Capitalism.*
9:00 Brenna Keatinge*, University of Toronto, *The Production and Construction of Land Vacancy in Boston, Massachusetts.*
- 4120. Cognition, Visualisation and User Issues, IV (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Amy Griffin, UNSW Canberra; Alexander Savelyev, The Pennsylvania State University
 CHAIR(S): Amy Griffin, UNSW Canberra
8:00 Andreas Christoffer Hall*, Aalto University, *Reasoning Framework for Spatio-temporal Analysis.*
8:20 Alexander Savelyev*, The Pennsylvania State University, *Landscapes of Text - the Art and Science of Geographic Text Visualization.*
8:40 Kristien Ooms*, Ghent University, *Panning in GoogleMaps: Georeferencing the recorded gaze data.*
9:00 Sarah E Battersby*, Tableau Software; Daniel "daan" Strebe, Tableau Software; Michael P Finn, USGS, *The joy of hex: Challenges in creating and interpreting spatial bins.*
9:20 Petr Kubicek*, Masaryk university; Vojtech Jurik, Masaryk University; Cenek Sasinka, Masaryk University; Zdenek Stachon, Masaryk University; Lukas Herman, Masaryk University, *Interactive 3D visualiation and geospatial data depiction.*
- 4121. Climatology and Meteorology**
Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Wenjing Xie
8:00 Sarah Praskievicz, Ph.D.*, University of Alabama, *Satellite-Derived Local Topographic Lapse Rates of Precipitation for Use in Downscaling Climate-Model Output in Remote Mountainous Regions.*
8:20 Baker Perry, Ph.D.*, Appalachian State University; Marcos Andrade, Ph.D., Universidad Mayor de San Andrés; Ronald Winkelmann, Universidad Mayor de San Andrés; Fernando Velarde, Universidad Mayor de San Andrés; Jason Endries, Appalachian State University; Eric Burton, Appalachian State University,

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Spatiotemporal Patterns, Atmospheric Circulation, and Vertical Structure of Precipitation in the Cordillera Real, Bolivia.

- 8:40** Ali Malekghasemi*, Oregon State University, Department of Geosciences; Julia Jones, Oregon State University, Department of Geosciences; Chad Higgins, Oregon State University, Department of Biological and Ecological Engineering, *Air drainage and nocturnal cooling in a forested mountain landscape.*
- 9:00** Deirdre Smith*, Louisiana State University, *Assessing relationships between lightning flash-rate density in northwestern Venezuela, upper-level wind flow, and sea surface temperatures.*
- 9:20** Wenjing Xie*, Ministry of Education Key Laboratory for Coast and Island Development, Nanjing University; Shu Gao, Ministry of Education Key Laboratory for Coast and Island Development, Nanjing University, *Distribution patterns of 210Pb characteristics over the Changjiang subaqueous delta, in relation to upstream catchment changes.*

4124. Korea, Coastal and Marine

- Room: Imperial A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Jiyeon Choi
- 8:00** ChangWoo Kang*, Korea Maritime Institute, *Consideration of coastal landward management direction.*
- 8:20** Hyunjoo JUN*, Korea Maritime Institute, *An analysis on the spatial patterns of population in coastal areas in South Korea.*
- 8:40** Hee-Jung Choi*, Korea Maritime Institute; Jungho Nam, Korea Maritime Institute, *Marine Spatial Management in Korea.*
- 9:00** Jiyeon Choi*, Korea Maritime Institute, *Social Capital and Public Conflict Management - the case of coastal area in Korea.*

4125. Space and place in population, health, and environment research (Sponsored by Human Dimensions of Global Change Specialty Group, Population Specialty Group, Health and Medical Geography Specialty Group)

- Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Daniel Ervin; Kevin M. Mwenda, University of California; David Lopez-Carr, UC Santa Barbara
 CHAIR(S): Mei-Po Kwan, University of Illinois at Urbana-Champaign
 Introducer: David Lopez-Carr
- 8:05** Cascade Tuholske*, University of California - Santa Barbara, *The Effects of Tourism on Land Cover and Land Use Change in Roatán, Honduras.*
- 8:20** Daniel Ervin*, UC Santa Barbara; Sadie J Ryan, PhD, University of Florida; Fernando Riosmena, PhD, CU Boulder; David Lopez-Carr, PhD, UC Santa Barbara, *International Migration, economic, environmental, and sociodemographic factors correspond with forest cover change in Mexico from 2000-2010.*
- 8:35** Barbara Quimby*, San Diego State University, *Spatial organization of marine resource management in Samoa: social scales of fisheries.*
- 8:50** Kevin M. Mwenda*, University of California, *A spatial analysis of undernutrition and malaria incidence among Kenyan children under 5 years.*
- 9:05** Alisha Y. Jimenez*, Weber State University, *Health and Medical Geographers and Public Health Professionals: A Vital Collaboration.*
- Discussant(s): Ty Beal, University of California - Davis; Michael Emch, University of North Carolina at Chapel Hill

4126. Walking the Tightrope: Making Ideas on Power and Resilience Practical for Women's Careers in Geography (Sponsored by AAG Jobs and Careers Theme)

- Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)*

ORGANIZER(S): Patricia A. Solís, Texas Tech University; Elizabeth A. Wentz, Arizona State University
 CHAIR(S): Patricia A. Solís, Texas Tech University
 *** Continued into next slot, 4226

4127. Careers and Professional Development Paper Session (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, AAG Jobs and Careers Theme)

- Room: Yosemite B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Bill Hodge, GISCI
- 8:00** Matthew H. Connolly, Ph.D.*, University of Central Arkansas, *Navigating the Academic Job Search Gauntlet: Recent Perspectives From Both Sides of the Table.*
- 8:20** Katherine Hart Weimer*, Rice University, *Geographers in Libraries: Careers in Higher Education.*
- 8:40** Mara Tongue*, U.S. Geological Survey, *Tips for Applying for a Federal Job.*
- 9:00** Bill Hodge*, GISCI, *The GISP: A Student Perspective.*

4128. Mapping (from) the minor of big data? (Sponsored by Cultural Geography Specialty Group)

- Room: Union Square 1, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Wen Lin, Newcastle University; Matthew W. Wilson, Harvard University
 CHAIR(S): Matthew W. Wilson, Harvard University
- 8:00** Shakil Bin Kashem*, University of Illinois, *Location-Aware Active Citizenship: Exploring the challenges for developing an enabling geoweb.*
- 8:20** Lea Bauer*, Leibniz Institute for Regional Geography, *Tactical mappivism. Conceptualizing web-based counter-cartographic practices as visual tactical articulation in space-related conflicts.*
- 8:40** Wen Lin*, Newcastle University, *Digging into Google Maps Mania: Exploring Patchworks of Volunteered Geographic Information.*
- 9:00** Amber J. Boll-Bosse*, University of Kentucky, *Renegade Cartographies by Resisting Residents.*
- 9:20** Sebastien Caquard*, Concordia University; Stefanie Dimitrovas, Concordia University; Emory Shaw, Concordia University, *Turning Life Stories into Online Maps: Conceptual, Methodological and Technological Challenges.*

4129. Planning revitalization in racialized neighborhoods in White colonial settler societies 1 (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

- Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Melissa Fong, University of Toronto
 CHAIR(S): Melissa Fong, University of Toronto
- 8:00** Jonathan Peyton*, University of Manitoba; Jeff Masuda, Queen's University; Trevor Wideman, Simon Fraser University; Matt Dyce, University of Winnipeg, *Colony on Main: Vancouver's Frontier Mentality and the Imperial Debris of "Revitalization".*
- 8:17** Melissa Fong, PhD (abd)*, University of Toronto; Melissa Fong, PhD (abd), University of Toronto, Department of Geography and Planning, *Planning "revitalization" in Vancouver's Chinatown.*
- 8:34** Sarah E.L. Wakefield*, University Of Toronto; Madelaine Cahuas, University of Toronto; Melanie Pothier, York University; Senyo Agbeyaka, University of Toronto; Carla Borstaad-Klassen, Hamilton Social Planning and Research Council, *"We need to find ways to reach out and include them": Understanding and challenging the (re)production of dominance in narratives of place, inclusion and difference in resident-led neighbourhood revitalization.*
- 8:51** Sarah Launius, PhD Candidate*, University of Arizona, *Contesting the New "Old Pueblo".*

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- 9:08** Ann Markusen, Professor Emerita*, University of Minnesota; Roberto Bedoya, Director, Tucson-Pima Arts Council, *Political Economy, Race, and Displacement: A Reframing of the Gentrification Debate*.
Discussant(s): Jeffrey R. Masuda, Queen's University
- 4130. Spatial Inequality, Sustainability and Policy in China and Asia I: Asia (Sponsored by China Specialty Group, Asian Geography Specialty Group, Economic Geography Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Yehua Dennis Wei, University of Utah; David W. Edgington, University Of British Columbia
CHAIR(S): David W. Edgington, University Of British Columbia
8:00 Andres Rodriguez-Pose*, London School Of Economics; Daniel Hardy, University of Stavanger, *Firm competitiveness and regional disparities in Georgia*.
8:20 Komalirani Yenneti*, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences; Yehua Dennis Wei, University of Utah; Wen Chen, Nanjing Institute of Geography and Limnology, Chinese Academy of Sciences, *The Truly Disadvantaged: Regional Changes in Urban Poverty in India*.
8:40 Han Li*, University of Utah, *Modeling Urban Expansion in the Transitional Greater Mekong Subregion*.
9:00 FUJIO MIZUOKA*, Hitotsubashi University, *Neo-Liberalism au Orient: Disruption of Economy and Society through Maximization of Self-Interest by the Bureaucrats*.
9:20 Susan M. Walcott*, University of North Carolina at Greensboro, *Aerotropolis Ambition: China Constructs a Global Growth Link*.
- 4131. Spatiotemporal Symposium: Geospatial Ontology and Semantics I - Applications (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Chen-Chieh Feng, Geography, National University of Singapore; Gaurav Sinha, Ohio University
CHAIR(S): Chen-Chieh Feng, Geography, National University of Singapore
8:00 Yun Li*, *Mining and Utilizing Dataset Relevancy from Oceanographic Dataset Metadata, Usage Metrics, and User Feedback to Improve Data Discovery and Access*.
8:20 Hua-Ching Chu*, National Taiwan University; Tzu-How Chu, National Taiwan University, *A Study of Applying Semantic Analysis Technology to Travel Writing Auxiliary System*.
8:40 Joshua Lieberman*, Tumbling Walls Consultancy and Harvard University, *Ontological Representation of Physical Feature Networks*.
9:00 Dalia Varanka, Ph.D.*, United States Geological Survey; Michelle Cheatham, Ph.D., Wright State University; Joshua Lieberman, Ph.D., Harvard University, *Geospatial Ontology Alignment for Hydrography*.
9:20 Chen-Chieh Feng*, Geography, National University of Singapore; Sorokine Alexandre, Oak Ridge National Laboratory, *Evaluating data sources for general ontology of terrain kinds*.
- 4132. Multiscalar Perspectives on Global Climate Governance (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Maureen Biermann, Pennsylvania State University
CHAIR(S): Maureen Biermann, Pennsylvania State University
8:00 Maureen Biermann*, Pennsylvania State University, *Ready Money: Climate Finance and the New Vocabulary of Adaptation*.
8:20 Jeffrey Swofford*, Arizona State University, *Is this how you feel? Exploring the emotional dimensions of international climate change politics*.
8:40 Laurel Alexandra Murray, PhD*, Climate Change in Focus, *Learning from Kyoto: The Political Geography of Climate Change Policymaking in Canada*.
9:00 Noel Healy*, Department of Geography, Salem State University, *Divergent Perceptions of the Legitimacy of Multilateral Climate Governance - Dissent and the Third Space*.
9:20 Matthew Hamilton*, University of California, Davis, *Cross-scale linkages in climate change adaptation policy networks*.
- 4133. Alternative Fuels, Vehicles, and Infrastructure #1 (Sponsored by Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Michael Kuby, Arizona State University; Scott Kelley, Arizona State University
CHAIR(S): Scott Kelley, Arizona State University
8:00 Michael Kuby, PhD*, Arizona State University; Ellen Stechel, PhD, Arizona State University-Lightworks; Mikhail Chester, PhD, Arizona State University-Civil Engineering, *Wireless Streetcar Propulsion Options: Technologies and Tradeoffs*.
8:20 Bo Dong, PhD student*, University of New South Wales, Canberra; Stuart Pearson, A/Prof., University of New South Wales, Canberra, *Researching real policy-making for biofuels in Australia and China*.
8:40 Andrew S. Martinez, Ph.D*, California Air Resources Board, *California's GIS-Driven Analyses for Planning Hydrogen Fueling Infrastructure for FCEVs*.
9:00 Scott Kelley*, Arizona State University, *Freeways, Trip types, and Choice Sets: How do Early Adopters of Alternative Fuel Vehicles (AFVs) Access Refueling Stations near Complex Freeway Interchanges?*.
Discussant(s): Michael Kuby, Arizona State University; Scott Kelley, Arizona State University
- 4134. State, Power, Resistance (1): Agriculture in the Global Economy**
Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Karl Beitel; Raju J. Das, York University
CHAIR(S): Raju J. Das, York University
8:00 Alistair Fraser*, Maynooth University, Ireland, *The 'city' against the corporate food regime*.
8:20 Mizhar Mikati*, York University, *The State and World Accumulation: Global Agribusiness, Food Crises, and Human Need*.
8:40 Robert M. Bridi*, York University, *Innovation, Power, and Politics: The Emergence of Biotechnology in Canadian Agriculture*.
Discussant(s): Raju J. Das, York University
- 4137. China's Megacities and Sustainable Urban Development (Sponsored by China Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Enru Wang, University of North Dakota
CHAIR(S): Yicong Yang, Cornell University
8:00 Asa Roast*, University of Leeds, *Western Urban Knowledge Production in Provincial China: The Largest City You've Never Heard Of*.
8:20 Xiulian Ma*, Chinese Academy of Governance, *World City Institutions and Industrial and Spatial outcomes: Examining the Role of Advanced Producer Service in Beijing*.
8:40 Li Lin*, Department of Urban Planning and Design, University of Hong Kong; Feng Zhang, Department of Urban Planning and Design, University of Hong

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Kong., *The Influence of transit-oriented development on Travel Behaviors: Case Study of Neighborhoods in Transit Station Areas in Shenzhen, China.*

9:00 Minxing Yang*, CUHK, *Planning for Low-carbon Cities in China.*

9:20 Yicong Yang*, Cornell University, *Understanding informal spaces in a Chinese megacity.*

4138. China's Trade and Regional Development I (Sponsored by China Specialty Group, Economic Geography Specialty Group)

Room: *Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*

ORGANIZER(S): Enru Wang, University of North Dakota
CHAIR(S): Weidong Liu, Chinese Academy of Sciences

8:00 Yao Dong*; Canfei He; Yi Zhou, *The Evolution of Product Space Structure: Path-dependent or Path-breaking? ??Based on trade data of China's 31 Provinces during 2001-2013.*

8:20 Ren Yonghuan*; Li Yunxiong; He Canfei, *The Mechanism of Cross-boundary Product Evolution in China ??An empirical analysis based on export product of prefecture-level cities.*

8:40 He Canfei, College of Urban and Environmental Sciences Peking University-Lincoln Institute Center for Urban Development and Land Policy; Li Wei*, *Do Export Commodities Move to Central and Western China?.*

9:00 Curt Nestor*, University of Gothenburg, *Paper title: Mirror, mirror on the wall? - an inquiry into Vietnam-China bilateral merchandise mirror trade statistics 2000-2014.*

9:20 Weidong Liu*, Chinese Academy of Sciences, *Unpacking the "Belt" and "Road" Initiative of China.*

4139. Financial Markets, Centers and Capital Flows in a Hyperactive World (Sponsored by China Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)

Room: *Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*

ORGANIZER(S): Balázs Forman, Corvinus University of Budapest; Zoltán Gál, Kaposvar University; HAS Centre for Regional Studies,

CHAIR(S): Balázs Forman, Corvinus University of Budapest

8:00 Malin Josefin Mc Glinn*, Malmö University, *How to turn \$34 into \$6 million: The European Social Fund and the Art of Calculation.*

8:20 Ali El Hosni*, CNRS, *"Ship closer, save money": the reintegration of port activities within the world's major metropolises.*

8:40 Carlos Ferreira*, Coventry University, *Financial Markets, Compassionate Capitalism? The Case of Social Investment.*

9:00 Scott Ptak*, SUNY at Buffalo, *A Study of Borrower-Lender Proximities in U.S. Commercial Banking.*

9:20 Balázs Forman*, Corvinus University of Budapest, *Geo-economics: geographer's innovation in economics.*

Discussant(s): Zoltán Gál, Kaposvar University; HAS Centre for Regional Studies,

4140. Symposium on Human Dynamics Research: Modeling Human Dynamics 2 (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*

ORGANIZER(S): Paul Torrens, University of Maryland
CHAIR(S): Paul Torrens, University of Maryland

8:00 Kenan Li*, Louisiana State University; Nina Lam, Louisiana State University, *An Agent-Based Model of Population Changes in a Vulnerable Coastal Environment.*

8:20 Yi Qiang*, Louisiana State University; Nina Lam, Louisiana State University; Lei Zou, Louisiana State University; Heng Cai, Louisiana State University;

Kenan Li, Louisiana State University, *Modeling Long-Term Human Dynamics in Response to Natural Hazard Using Remote Sensing Data.*

8:40 Cheng Fu*, University of Maryland at College Park; Paul Torrens, University of Maryland, *Using Twitter-validated agents to reveal urban activity motifs.*

9:00 Junchuan Fan, University of Iowa; Kathleen Stewart*, University of Maryland, *Integrating semantic web techniques and social media data for modeling activities and movement on a campus.*

Discussant(s): Atsushi Nara, San Diego State University

4141. Sports Geography I (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: *Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*

ORGANIZER(S): Steven P. Ericson, University of Alabama
CHAIR(S): Steven P. Ericson, University of Alabama

8:00 Neil Conner, Ph.D.*, University of Tennessee, *Social integration and everyday sports in Dublin, Ireland.*

8:20 Michael Chrobok*, University of Toronto, *See 'You' in Victory Lane? NASCAR and Discursive Constructions of the Good American Citizen.*

8:40 Arlene Crampsie, PhD*, University College Dublin, *Geographies of power in amateur organisations - a case study of the Gaelic Athletic Association and the maintenance of an Irish nationalist identity.*

9:00 Susanna Diller*, University of New Mexico, Department of Geography and Environmental Studies; Jacob R. Wolff, University of New Mexico, Department of Geography and Environmental Studies, *(Re)envisioning College Sports in the Neoliberal University.*

9:20 Jonathan Leib*, Old Dominion University, *Banal Nationalism, Landscape Representation, and the 'Origins' of Baseball.*

4142. Preparing Planners for Current and Future Refugees: A Discussion on Curriculum (Sponsored by Regional Development and Planning Specialty Group)

Room: *Union Square 15, Hilton Hotel, 4th Floor (Panel Session)*

ORGANIZER(S): Dave Lemberg, Western Michigan University
CHAIR(S): Dave Lemberg, Western Michigan University

Discussant(s): George M. Pomeroy, Shippensburg University; Christopher Cusack, Keene State College; Suzanna Long, Missouri University of Science and Technology; Dave Lemberg, Western Michigan University

Panelists: George M. Pomeroy, Shippensburg University; Christopher Cusack, Keene State College; Suzanna Long, Missouri University of Science and Technology; Dave Lemberg, Western Michigan University

4143. Multi-Scalar Conflicts over Hydraulic Fracturing (Part I) (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: *Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*

ORGANIZER(S): Sarah T. Romano, University of Northern Colorado

CHAIR(S): Sarah T. Romano, University of Northern Colorado

8:00 Carlo E. Sica*, Syracuse University, *Stacked Scale Frames: Building Hegemony for Fracking Across Scales.*

8:15 Jen Schneider, PhD*, Boise State University, *Frackademia, Divestment, and the Limits of Academic Freedom.*

8:30 Sarah T. Romano, PhD*, University of Northern Colorado; Wendy Highby*, University of Northern Colorado, *The Politics of Fracking in Northeastern Colorado: Inquiry, Engagement, and Resistance in the Context of University Governance.*

8:45 Karen Bakker*, University of British Columbia; Kate Neville, Dr., University of Toronto; Jenn Baka, Dr., London School of Economics and Political Science; Erika Weinthal, Dr., Duke University, *"What's in the water?": Corporate disclosure and investor-activists in*

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debates over fracking.

Discussant(s): Susan M. Christopherson, Cornell University

4144. Feminist geographies actually: claiming space as a feminist geographer (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: *Union Square 17, Hilton Hotel, 4th Floor* (Panel Session)

ORGANIZER(S): Marianne Blidon, Paris 1 University

CHAIR(S): Marianne Blidon, Paris 1 University

Discussant(s): Avril Maddrell

Panelists: Mona Domosh, Dartmouth College; Lynda Johnston, University of Waikato; Ebru Ustundag, Brock University; Marcella Schmidt Di Friedberg, Università di Milano-Bicocca

4145. The Interstices of Care 1 (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: *Union Square 18, Hilton Hotel, 4th Floor* (Paper Session)

ORGANIZER(S): Christine Elizabeth Smith, University of Kentucky; Kelsey Hanrahan

CHAIR(S): Kelsey Hanrahan

8:00 Christine Elizabeth Smith, Ph.D*, University of Kentucky, *Only the Lonely Can Play: Care of the self through forms of touch.*

8:20 Kelsey B. Hanrahan*, University of Kentucky, *Needs, dependencies and what is means to be caring.*

8:40 Helen Elizabeth Olsen*, Rutgers University, *DREAMS of an AIDS-free Future for Girls: The Aspirational Politics of Care in HIV/AIDS Prevention Programs.*

9:00 Sarah Watson*, University of Kentucky, *Tending to the Honey Bees: Exploring Dynamics of Care By Hobbyist Beekeepers.*

Discussant(s): Heidi J. Nast, DePaul University

4146. New Voices in Rural Geography I (Sponsored by Rural Geography Specialty Group)

Room: *Union Square 19, Hilton Hotel, 4th Floor* (Paper Session)

ORGANIZER(S): Sarah A. Mason, University of Western Ontario; William A. Wetherholt, Kansas State University

CHAIR(S): Sarah A. Mason, University of Western Ontario

8:00 Bonnie Elizabeth Bounds*, The Ohio State University, *Thriving or Just Surviving? Occupational Distributions of Human Capital in Rural America.*

8:20 Ashley Elizabeth Manning*, Western University, *An exploration of the historical, present, and future role of an informal food economy in rural and urban communities in Newfoundland.*

8:40 Scott D. Odell, Doctoral Student*, Clark University; Gaia Luziatelli, Post-doctoral Scientist, International Potato Center; Denise Humphreys Bebbington, Research Associate Professor, Clark University, *Climate Change and Agrobiodiversity: Assessing Farmers' Perceptions of Threats to In-situ Conservation of Native Potato Varieties in Peru and Bolivia.*

9:00 NINGNING CHEN, PhD Candidate*, National University of Singapore, *State governance, rural agency and cultural production: exploring the re-production of ancestral temples in rural Wenzhou, Southeast China.*

9:20 Grover Wehman-Brown, MA*, University of North Carolina - Chapel Hill, *Rural Public Culture and the Naturalization of Urban Formations of Deliberation.*

4147. Human-Environment Interactions: Linking Remote Sensing and the Social Sciences (Sponsored by Remote Sensing Specialty Group, Landscape Specialty Group)

Room: *Union Square 20, Hilton Hotel, 4th Floor* (Paper Session)

ORGANIZER(S): Emily Burchfield, Vanderbilt

CHAIR(S): Emily Burchfield, Vanderbilt

8:00 Ariane C. De Bremond*, University of Maryland, *Understanding Large-Scale Land Acquisitions and their Land Change Dimensions: Socio-Environmental*

Synthesis of the Global 'Rush' for Land.

8:20 K. Arthur Endsley, PhD Student*, School of Natural Resources and Environment, University of Michigan; Daniel G. Brown, Professor, School of Natural Resources and Environment, University of Michigan; Elizabeth Bruch, Assistant Professor, Population Studies Center, Institute for Social Research, University of Michigan; Jeffrey Morenoff, Director, Population Studies Center, Institute for Social Research, University of Michigan; Chris Ruf, Professor, Department of Climate and Space Sciences Engineering, University of Michigan, *Assessment of urban socioeconomic change in southeastern Michigan neighborhoods through a land-cover change proxy.*

8:40 Anders Wastfelt*, Stockholm University, *Uncover the landscape effects of reorganization Swedish farms and agriculture landscapes by changing policies and global integration..*

9:00 Morgan C. Levy*, University of California, Berkeley; Avery Cohn, Tufts University; Sally E. Thompson, University of California, Berkeley, *The Quantification and Identification of Land Use Change Impacts to Hydrology in Brazil from Headwater to Large Basin Scales.*

9:20 Emily Burchfield*, Vanderbilt; John Nay, Vanderbilt University; Jonathan Gilligan, Vanderbilt University, *Application of machine learning to big environmental datasets to predict vegetation health.*

4149. An Informational Right to the City? 1/3: ICTs & Everyday Life

Room: *Union Square 22, Hilton Hotel, 4th Floor* (Paper Session)

ORGANIZER(S): Joe Shaw; Mark Graham, University of Oxford

CHAIR(S): Joe Shaw

8:00 Joe Shaw*, University of Oxford; Mark Graham, University of Oxford, *An Informational Right to the City? Code, Content, Control and the Urbanization of Information..*

8:10 Mark Purcell*, University of Washington, *Everyday Code: The Right to Information in the Struggle for Democracy.*

8:30 Jathan Sadowski*, Arizona State University, *Access Denied: Data, Scoring, and Mobility Restrictions in the Smart City.*

8:50 Desiree Fields*, University of Sheffield, *Automated Landlord: Technology and the Financialization of Renting.*

Discussant(s): Mark Graham, University of Oxford; Andy Merrifield

4150. Infrastructural engagements and urban re-imaginings in the global South 1 (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Development Geographies Specialty Group)

Room: *Union Square 25, Hilton Hotel, 4th Floor* (Paper Session)

ORGANIZER(S): Matthew Birkinshaw, London School of Economics; Niranjana Ramesh, University College London

CHAIR(S): Matthew Birkinshaw, London School of Economics

Introducer: Matthew Birkinshaw

8:10 Julia De Carvalho Nascimento*, Federação das Indústrias do Estado de Minas Gerais, *Controversies at Aglomerado da Serra Slum: towards an alternative approach to urban studies.*

8:25 Bérénice Bon*, Technische Universität Darmstadt, *Public and private engagement in infrastructure megaproject and the shaping of a new technocratic bureaucracy in urban development. The case of the Delhi Metro Rail Corporation, India..*

8:40 Niranjana Ramesh*, University College London, *Infrastructural articulations of the technopolitical state.*

8:55 Christiane Tristl*, Technical University Darmstadt,

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Withdrawing Water? A "Water ATM" as a Material Aspect of a New Dispositif of Water Supply.

9:10 April L. Colette, PhD*, University of Illinois at Urbana-Champaign, *Stormwater Infrastructure and the Politics of Visibility.*

Discussant(s): Andrew Harris

4151. Intersectional Research on Gender & the Environment: Theory, Methods, and Practice (1) (Sponsored by Cultural and Political Ecology Specialty Group, Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group)

Room: Mason A, Hilton Hotel, 6th Floor (Panel Session)

ORGANIZER(S): Emily Billo, Goucher College; Stephanie Buechler, University of Arizona - Geography & Regional Development; Monica V. Ogra, Gettysburg College

CHAIR(S): Emily Billo, Goucher College

Introducer: Emily Billo

Panelists: Sharlene L. Mollett, University of Toronto; Stroma Cole; Jayme Walenta, Texas A&M University; Mez Baker-Médard, Middlebury College; Stephanie Buechler, University of Arizona - Geography & Regional Development

4152. Imagining the future of animal farming: Natureculture and technosciences 1. (Sponsored by Animal Geography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Mara Miele, Cardiff University; Karolina Rucinska, Cardiff University

CHAIR(S): Mara Miele, Cardiff University

Introducer: Mara Miele

8:05 Ruth Ann Little, Dr*, University of Sheffield, *The future of livestock production: people, policy and the quest for sustainable intensification.*

8:25 Annalisa Colombino, University of Graz; Paolo Giaccaria*, University of Turin, *Animalian Life Inc.: unpacking 'local', 'happy', 'natural' beef?*

8:45 Henry Buller*, University of Exeter, UK, *A return to the animal machine?.*

Discussant(s): Connie Johnston, University of Oregon

4153. Geographies of Media XIV: Media, governmentality, and managing the 'more than human' environment (2) (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): J Jesse Minor, University of Arizona; Joseph Palis, University of the Philippines-Diliman

CHAIR(S): J Jesse Minor, University of Arizona

8:00 Laura Peters*, Oregon State University; Jamon Van Den Hoek, Oregon State University, *From propaganda to discourse, from vulnerability to resilience: Freedom of the press and climate change communication.*

8:20 Brynn Fromknecht*, University of Guelph; Roberta Hawkins, University of Guelph; Jennifer J Silver, University of Guelph, *The Nature of New Media: Environmental Organizations and the Value, Perception, and Use of Social Media Platforms.*

8:40 Kalli F. Doubleday*, University of Texas, Austin; Crystal A. Crown, NYC Department of Parks & Recreation, *Representation of human-leopard conflict in India across local, national, & international media.*

Discussant(s): Joseph Palis, University of the Philippines-Diliman

4154. Natural Hazards and Natural Disasters in China I (Sponsored by China Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Qian Fan, University of South Carolina

8:00 Yaojie Yue*, School of Geography, Beijing Normal University, Beijing 100875, China; Guofang Hu, School of Geography, Beijing Normal University, Beijing 100875, China; Jintao Zhao, Langfang Normal College, Hebei 065000, China; Jing-ai Wang, School of Geography, Beijing Normal University, Beijing 100875, China; Yun Su, School of Geography, Beijing Normal University, Beijing 100875, China, *Assessing hail hazard risk of cotton at different growing stages in China.*

8:20 Jingai Wang*, School of Geography, Beijing Normal University, Beijing 100875, China; Laboratory of Regional Geography, Beijing Normal University, Beijing, China; Yaoyao Wu, School of Geography, Beijing Normal University, Beijing 100875, China, *"Top-down" based Agricultural drought adaptation research under the Grain for Green Project of China.*

8:40 Kaiheng Hu*, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu, 610041, China; Yanji Li, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu, 610041, China; Pu Li, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu, 610041, China, *A methodology of debris-flow hazard mapping on its alluvial fan.*

9:00 Qian Fan*, University of South Carolina, *Development of fire susceptibility models to assess natural and anthropogenic factors influencing fire regimes in the Greater Hinggan Mountain, China.*

4155. New geographies and spatialities of war and political violence I (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Steven M. Radil, University of Idaho; Olivier J. Walther, Rutgers University - Newark; Jamon Van Den Hoek, Oregon State University

CHAIR(S): Andrew Martin Linke, University of Utah

8:00 Steven M. Radil*, University of Idaho, *Networked geographies of a 'proto-world war': the case of the Syrian civil war.*

8:20 Raymond J. Dezzani, Ph.D.*, University Of Idaho; Colin Flint, Ph.D., Utah State University, *New Wine in Old Bottles or Old Wine in New Bottles: How The Hegemonic Cycle and Conflict Typologies May Impact the New War Paradigm.*

8:40 Edward C. Holland*, Miami University, *The Novelty of Hybrid War: The Conflict in Eastern Ukraine.*

9:00 Clionadh Raleigh*, University of Sussex, *Political Environments and Violence Across Africa.*

Discussant(s): Andrew Martin Linke, University of Utah

4156. Scholar-Activists/Activist-Scholars: Cultivating an Ongoing Community of Food Justice Practice I: Perspectives from the Field (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University

CHAIR(S): Daniel R. Block, Chicago State University
8:00 Kristin Reynolds*, The New School; Daniel R. Block*, Chicago State University, *The Many Roles, Positions, and Scales of Food Justice Scholar-Activism and Activist-Scholarship: Examples from New York State and Chicago.*

8:20 Garrett Graddy-Lovelace*, American University School of International Service, *Community-based research assessing impacts of US agricultural policy on agrarian justice: or, methodological challenges of decolonial goals.*

8:40 Paul Rogé*, Michigan State University, *Participatory action research viewed from the lens of improvisational*

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dance.

9:00 Hank Herrera*, Center for Popular Research, Education and Policy, Tela D'arweh, Llc, *Generational Shifts in the Value and Meaning of Experience in Learning Spaces.*
Discussant(s): Kristin Reynolds, The New School

4157. Disability Geography 1: GIS & Spatial Analysis (Sponsored by Rural Geography Specialty Group, Graduate Student Affinity Group, Health and Medical Geography Specialty Group, Disability Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Sandy Wong, University of Illinois at Urbana-Champaign; Jessica Finlay, University of Minnesota
CHAIR(S): Sandy Wong, University of Illinois at Urbana-Champaign

8:00 Susanne Zimmermann-Janschitz*, University of Graz; Antonia Dueckelmann, University of Graz, *ways2see: A part of "GIS for All" is getting alive.*

8:20 Christiane Von Reichert*, University of Montana, *Migration and Spatial Patterns of Disability.*

8:40 James Johnson, B.S.*, University of New Mexico, Center for Development and Disability; Anthony Cahill, Ph.D., University of New Mexico, Center for Development and Disability; Heidi Fredine, MPH, University of New Mexico, Center for Development and Disability, *Using Spatial Analysis to Identify Social Determinants of Health for People Who Are Paralyzed.*

9:00 Kathleen D. Seal, Ph.D.*, Texas Lutheran University, *Using Geographic Information Systems in a collaborative, interdisciplinary learning environment for analysis of mental health services in rural communities.*

9:20 Hamish Robertson*, University of NSW; Nick Nicholas, The Demographer's Workshop; Joanne Travaglia, PhD, University of NSW; Andrew Hayen, PhD, University of NSW; Andrew Georgiou, PhD, Macquarie University, *Contours of Disability in America.*

4158. Fire knowledge, practices and policies in Latin America (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Angela May Steward, Centro de Desenvolvimento Sustentável - Universidade de Brasília
CHAIR(S): Angela May Steward, Centro de Desenvolvimento Sustentável - Universidade de Brasília
Introducer: Angela May Steward

8:05 Livia Carvalho Moura*, University of Brasilia, Department of Ecology; Sílvia Laine Borges, University of Brasília, Department of Ecology; Cecília Ricardo Fernandes, University of Brasília, Center of Sustainable Development; Isabel Belloni Schmidt, University of Brasília, Department of Ecology; Ludivine Eloy, National Center for Scientific Research, CNRS (Montpellier, France), *Social and environmental conflicts related to fire management within protected areas in the Brazilian savanna..*

8:25 Ludivine Eloy*, CNRS UMR ART-DEV/CDS-UNB; Axelle Duverger, Institut des Régions Chaudes/ Montpellier Supagro; Cecilia Ricardo Fernandes, CDS / Universidade de Brasilia; Silvia Laine Borges Lucio, Instituto de Biologia/Universidade de Brasilia, *Cattle ranching and fire management in brazilian savannas: from invisibility to planning?.*

8:45 Silvia Laine Borges*, University of Brasilia; Ludivine Eloy, National Center for Scientific Research, CNRS (Montpellier, France); Isabel Belloni Schmidt, Department of Ecology, University of Brasília; Ana Carolina Sena Barradas, Chico Mendes Institute for Biodiversity Conservation (ICMBio), *Fire management in swampy forests: new perspectives about traditional farming systems in Jalapão (Brasil).*

9:05 Kathleen A. Farley*, San Diego State University; Leah L. Bremer, Ph.D., Stanford University, *The role of burning in Andean páramo grasslands: policy, perception, and practice.*

Discussant(s): Susanna Hecht, University of California Los Angeles

4159. Degradation and Greening in Dry Lands - Two Sides of the Same Coin? 1 (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Cyrus Samimi, University of Bayreuth; Kim André Vanselow

CHAIR(S): Cyrus Samimi, University of Bayreuth

8:00 Kim André Vanselow*, University of Erlangen-Nuremberg, *Degradation and Greening in an arid mountain ecosystem - the case of the Western Pamirs of Tajikistan.*

8:20 Kelly Hopping*, Stanford University; Emily Yeh, University of Colorado; Huatse Gyal, University of Michigan, *Fighting the sands in Dzorge: an interdisciplinary approach to understanding desertification on the eastern Tibetan Plateau.*

8:40 Fernando Ferreira Caixeta*, University of Louisville, *The use of Multiple Endmember Spectral Mixture Analysis applied to Landsat imagery in the Mudumu North Complex, Namibia (1990-2014).*

9:00 Thomas B Christiansen*, The University of Texas at Austin; Kelley A Crews, The University of Texas at Austin; Thoralf Meyer, The University of Texas at Austin, *The role of fire ecology and land zoning in greening trends of the western Botswana Kalahari.*

9:20 Desalegn Wana Dalacho, PhD*, Department of Geography & Environmental Studies, Addis Ababa University, Ethiopia; James M.D Speed, PhD, University Museum, Norwegian University of Science and Technology, NO-7491 Trondheim, Norway; Simon Shibr, Mr., Department of Biology, Arba Minch University, Ethiopia., *The Impact of Livestock and Wild Herbivore Grazing on Vegetation Dynamics in the Nech-Sar national Park, Southern Ethiopia..*

4160. Sustainable Urban Form and Geodesign: Pathways for Healthy and Resilient Cities I (Sponsored by Urban Geography Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Darren Ruddell, University of Southern California

CHAIR(S): Darren Ruddell, University of Southern California

8:00 Shujuan Li*, Utah State University; Bo Yang, Utah State University, *Geodesign: A new revolution of GIS.*

8:20 Mehdi Heris*, University of Colorado, *Computational Geodesign: integrating the science of microclimate into the geodesign process.*

8:40 Alenka Poplin*, Iowa State University, *Utilizing Digital Serious GeoGames for Geodesign.*

9:00 Brendan Alexander Harmon*, North Carolina State University; Anna Petrasova, North Carolina State University; Vaclav Petras, North Carolina State University; Helena Mitsova, North Carolina State University; Ross Meentemeyer, North Carolina State University, *Creative spatial thinking with Tangible Landscape.*

9:20 Darren Ruddell*, University of Southern California, *Building a Geodesign Academic Program: The University of Southern California's Bachelor of Science Degree in Geodesign.*

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4161. Physical Geography Poster Session

Posters for this session can be found on pages 312-317.

Room: *Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level* (Poster Session)

*** Continued into next slot, 4261

4162. Air quality and pollution modelling (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: *Mendocino I, Hotel Nikko, 2nd Floor* (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Yongmei Lu, Texas State University

8:00 Yongmei Lu, Ph.D.*, Texas State University, *Individual-based Air Pollution Exposure and Health Risk Assessment Enabled by Spatiotemporal Modeling*.

8:20 Jason (Guanguan) Su*, University of California, Berkeley; Meredith Barrett, Propeller Health; Kelly Henderson, Propeller Health; Olivier Humblet, Propeller Health; Chris Hogg, Propeller Health; David Van Sickle, Propeller Health; Ted Smith, Louisville Metro Government; James W Sublett, Family Allergy and Asthma; James L Sublett, Family Allergy and Asthma; LaQuandra Nesbitt, District of Columbia Department of Health, *Identification of asthma short-acting bronchodilator use in space and time using mobile health tools*.

8:40 Pierre Goovaerts*, BioMedware, *Geostatistical Space-Time Interpolation Of Air Pollutants: A Pragmatic Approach And Software Implementation*.

9:00 GUIXING WEI*, Texas State University; F. Benjamin Zhan, Texas State University, *A multi-phase environmental exposure assessment framework based on the dynamics of human activities in geographic space*.

9:20 Zhensheng Wang*, Shenzhen University; Yang Yue, Shenzhen University; Shi Liang, Shenzhen Center for Health Information; Qingquan Li, Shenzhen University, *Outdoor PM2.5 air pollution and hospital admissions for hypertension disease in Shenzhen, China*.

4163. Health and transportation (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: *Mendocino II, Hotel Nikko, 2nd Floor* (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Qing Shen, University of Washington

8:00 Guibo Sun*, Institute of Space and Earth Information Science, The Chinese University of Hong; Hui Lin, Department of Geography and Resource Management, The Chinese University of Hong Kong, *The effect and magnitude of transit development on active travel: a longitudinal study in a medium-size city in China*.

8:20 Bindong Sun*, East China Normal University; Hong Yan, East China Normal University; Tinglin Zhang, East China Normal University, *Effects of neighborhood built environment on BMI: evidence from China*.

8:40 Qing Shen, Professor*, Department of Urban Design and Planning, University of Washington; Peng Chen, PhD Candidate, Department of Urban Design and Planning, University of Washington, *Bicyclist Injury Risks in Different Built Environments*.

9:00 Samuel Chng*, University of Exeter Medical School, Psychology Applied to Health Group; Charles Abraham, University of Exeter Medical School, Psychology Applied to Health Group; Mathew White, University of Exeter Medical School, Psychology Applied to Health Group; Stephen Skippon, Transport Research Laboratory, UK, *Determinants and effects of travel mode choices in urban spaces: The case of London*.

9:20 Ivan Cheung*, National Transportation Safety Board, *Geography of pedestrian safety in American cities*.

4164. Green Futures

Room: *Nikko Ballroom I, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Maria Fernanda Lopez, FLACSO Ecuador

8:00 Verena Seufert*, McGill University, *Organic agriculture - a more environmentally friendly farming system?*.

8:20 Angus Liaw*, National Taiwan University; Jen-Jia Lin, National Taiwan University, *Developing a Bikeway Network Design Model for Recreational Bicycling in Urban Areas*.

8:40 Jen-Jia Lin*, National Taiwan University; Nai-Ling Wang, National Chiao Tung University; Cheng-Min Feng, National Chiao Tung University, *Fare Changes and Public Bike Usage*.

9:00 Maria Fernanda Lopez*, FLACSO Ecuador; Manuel Peralvo, CONDESAN- Ecuador, *Challenges of representation and spatial quantification for environmental policy design: the cartography of páramos in Ecuador*.

9:20 Alexandra Clare Bradford*, University of Oklahoma, *Examining Climate Change Perception at the State Level: An Investigation of Oklahomans' Attitudes Toward the Environment and Economy*.

4165. Sustainability Case Studies

Room: *Nikko Ballroom II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Sandra Jo Garren, Hofstra University

CHAIR(S): Sandra Jo Garren, Hofstra University

8:00 Sandra Jo Garren*, Hofstra University, *Sustainability Case Study: Renewable Energy in Burlington, Vermont*.

8:15 Eric K. Spears*, Georgia College; Eric K Spears, Ph.D., Georgia College, *Geographic Space and the Quest for Sustainability: A Political Ecology of Jekyll Island, Georgia*.

8:30 Robert Brinkmann, Ph.D.*, Hofstra University-Geology, Environment, and Sustainability, *Sustainability and Economic Development: A Case Study from Long Island, New York*.

8:45 Britt Crow-Miller*, *Sustainable urban water management in North China*.

9:00 Alexandra Nadeau*, INRS, *Greening Montreal: from grass-root initiatives to higher-scale urban environmental changes*.

Introducer: Robert Brinkmann

Discussant(s): Sandra Jo Garren, Hofstra University

4166. The Arts and Cultural Power

Room: *Nikko Ballroom III, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rebecca A. Sheehan, Oklahoma State University

8:00 Wende WANG*, Wuhan University; Jianfeng ZHU, Hubei University of Economics; Caiwu FU, Wuhan University; Xinyue YE, Joint Doctoral Program of Geography, San Diego State University; Shaohua Wang, Wuhan University, *The Performance Evaluation of Public Cultural Services Empirical Research Based On DEA Method*.

8:20 Piotr Silka*, IGIPZ PAN, *Geography of theatrical market in Poland*.

8:40 Kean T McDermott*, The George Washington University, *Washington D.C.'s U Street Corridor: placemaking through heritage infrastructure*.

9:00 Kate Leith Rigot*, University of Colorado Denver, *'The Essence of a Very Definite But Unnamed Place: Place and Placelessness in the Art of John M. Pope*.

9:20 Rebecca A. Sheehan*, Oklahoma State University, *New Orleans's All-Female Marching Krewes: Intersections of Gender, Race, and Class*.

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- 4170. Measuring air pollution and its impact (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel II, Hotel Nikko, 3rd Floor (Paper Session)*
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Tom Clemens, University of Edinburgh
8:00 Philippe Apparicio*, INRS Urbanisation Culture Société; Mathieu Carrier, INRS Urbanisation Culture Société; Séguin Anne-Marie, INRS Urbanisation Culture Société; Etienne Pelletier, INRS Urbanisation Culture Société, *Individual Exposure to Air and Noise Pollution in the Central Neighbourhoods of Montreal.*
8:20 Matthew Adams*, McMaster University; Niko Yiannakoulis, McMaster University; Pavlos Kanaroglou, McMaster University, *Calculating active transportation air pollution exposure with children's activity patterns..*
8:40 Niaz Morshed, PhD student*, Texas State University - San Marcos, *Exposure to Ozone and fine particulate matter (PM2.5) and, Chronic Lower Respiratory disease mortality in Houston Galveston area.*
9:00 Rebecca A. Gernes, MPH, MSW*, Association of Schools and Programs for Public Health; Cole Brokamp, University of Cincinnati; Glenn Rice, ScD, US EPA-ORD- NCEA; J. Michael Wright, ScD, US EPA-ORD- NCEA; Geoffrey Donovan, PhD, US Forest Service; Yvonne Michael, PhD, Drexel University; Michelle Kondo, PhD, US Forest Service; Demetrios Gatzliolis, PhD, US Forest Service; Grace Lemasters, PhD, Cincinnati Children's Hospital and Medical Center; David Bernstein, PhD, Cincinnati Children's Hospital and Medical Center; Gurjit Khurana Hershey, PhD, Cincinnati Children's Hospital and Medical Center; James Lockey, PhD, Cincinnati Children's Hospital and Medical Center; Patrick Ryan, PhD, Cincinnati Children's Hospital and Medical Center, *Spatial data analysis of residential greenspace on children's physical activity and respiratory health in the Cincinnati Childhood Allergy and Air Pollution Study (CCAAPS).*
9:20 Tom Clemens, PhD*, University of Edinburgh; Chris Dibben, PhD, University of Edinburgh; Sohinee Bhattacharya, University of Aberdeen; Steve Turner, University of Aberdeen, *Exposure to Ambient Air Pollution and Fetal Growth in North East Scotland - A Whole Population Study.*
- 4172. Engaging Data**
Room: *Bay View Room, Hotel Nikko, 25th Floor (Paper Session)*
 ORGANIZER(S): Taylor Shelton, Georgia Institute of Technology
 CHAIR(S): Taylor Shelton, Georgia Institute of Technology
8:00 Josh Akers*, University of Michigan-Dearborn, *Property Praxis.*
8:18 Taylor Shelton*, Georgia Institute of Technology, *Places, Properties, Parcels: The Potentials of Mapping Property Relationally.*
8:36 Dillon Mahmoudi*, Portland State University, *Apologies for the Following Quantitative Data: Success and Failure in Data-Driven Projects.*
8:54 Sarah Williams*, Massachusetts Institute of Technology; Jacqueline Klopp, Phd, Columbia University; Peter Waiganjo, Phd, School of Computing and Informatics; Daniel Orwa, Phd, University of Nairobi; Adam White, Groupshot, *Digital Matatus : Visualizing Informality to Create Civic Change.*
9:12 Manon Vergerio*, Anti-Eviction Mapping Project; Erin McElroy, *Engaging Data to Combat Gentrification: On the Work and Methodology of the Anti-Eviction Mapping Project.*
 Discussant(s): Elvin K. Wyly, University of British Columbia
- 4173. Theorising Development in Turbulent Times**
Room: *Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)*
 ORGANIZER(S): Emma Mawdsley, University of Cambridge; Jamey Essex, University of Windsor; Susan M. Roberts, University Of Kentucky
 CHAIR(S): Emma Mawdsley, University of Cambridge
 Introducer: Susan M. Roberts
8:20 Rebecca Clouser, Ph.D.*, Washington University in St. Louis, *Exploring the nexus of D/development and emotion.*
8:40 Emma Mawdsley, Dr*, University of Cambridge, *A geoeconomic lens trends in UK foreign aid.*
9:00 Jamey Essex*, University of Windsor; Logan Carmichael, University of Windsor, *The work of development: Expertise and labor in the CIDA-DFAIT amalgamation.*
 Discussant(s): Uma Kothari, University of Manchester
- 4174. Beyond Neoliberal Natures -- The Reworking of Payments for Ecosystem Services (PES) on the Ground 3: Equity and Values, Land and Labor (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Bellevue Room, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Pamela D. McElwee, Rutgers; Gert Themba Van Hecken, Institute of Development Policy and Management (IOB); Bernard Huber, McGill University
 CHAIR(S): Bernard Huber, McGill University
8:00 Elizabeth N. Shapiro-Garza*, Duke University, *From the Ground Up: Generating Alternative Discourses of Payments for Ecosystem Services in Mexico.*
8:20 Florence Bétrisey*, University of Lausanne; Christophe Mager, University of Lausanne, *Payments for watershed services, issues of recognition and social justice: bolivian highlights.*
8:40 Caroline Upton*, University of Leicester, *Conserving natures? PES as innovation in Mongolian Rangelands.*
9:00 Felipe Murtinho*, Seattle University; Tanya M. Hayes, Seattle University, *Economic incentives, perceived equity and behavioral change in collectively-managed lands: An assessment of Ecuador's Socio Bosque program.*
9:20 Gert Themba Van Hecken, PhD*, Institute of Development Policy and Management (IOB), University of Antwerp; Pierre Merlet, Institute of Development Policy and Management (IOB), University of Antwerp; Mara Lindtner; Johan Bastiaensen, PhD, Institute of Development Policy and Management (IOB), University of Antwerp, *Changing farmers' land uses through financial incentives? An agrarian systems approach to understanding development pathways at the Nicaraguan agricultural frontier.*
- 4175. Narrating displacement: Lived experiences of social and spatial exclusion #1**
Room: *Paris North, Marker Hotel, Lobby Level (Paper Session)*
 ORGANIZER(S): Emil Pull, Malmö University; Ioanna Tsoni, Malmö University; Jacob Lind, Malmö University
 CHAIR(S): Emil Pull, Malmö University
8:00 Sandra Annunziata*, Marie Curie Fellow, Department of Geography, University of Leicester, UK, *Urban displacement in Southern European cities during a time of permanent austerity. A comparison among Italy and Spain..*
8:20 Debangana Bose*, The Ohio State University, *Generating Illegality and Precarity through Forced Resettlement in Peri-urban Delhi in India.*
8:40 Ioanna Tsoni*, Malmö University, *"Tarlabasi, Basmane, Kypseli, Chateau Rouge, Bijlmer - It's all the same neighbourhood": Irregular migrants' narratives of compounded urban displacement..*
9:00 David Lukens*, Clark University, *Displacing the Displaced: Revanchist Urban Governance and the*

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Lived Experience of Guryong Village.

Discussant(s): Emil Pull, Malmö University

4176. Capitalism, Nationalism, Development I: Thinking alongside Gillian Hart

Room: Paris South, Marker Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Sharad Chari, University of the Witwatersrand; Mark Hunter, University of Toronto; Melanie Samson, University of the Witwatersrand

CHAIR(S): Sharad Chari, University of the Witwatersrand

Introducer: Sharad Chari

Discussant(s): Jean Lave, University of California, Berkeley

Panelists: Melanie Samson, University of the Witwatersrand; Mark Hunter, University of Toronto; Jennifer J. Casolo, Universidad Rafael Landívar; Jennifer Devine, Texas State University - San Marcos; Jennifer Baca, Bowdoin College - BRUNSWICK, ME

4177. Exploring Roger Byrne's Legacy I: Tracking Vegetation Change: Past and Present (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Michelle Goman, Sonoma State University;

Maria Caffrey, University of Colorado Boulder;

Donald G. Sullivan, University Of Denver

CHAIR(S): Maria Caffrey, University of Colorado Boulder

8:00 Marie Rhondelle Champagne, B.A.*, University of California - Berkeley, *Brine Shrimp Cyst Concentrations in Cores from Mono and Big Soda Lakes Correlate Well with Changes in Lake Level and Salinity.*

8:20 Ian A Slayton*, University of Denver; Donald G Sullivan, University of Denver, *The Response of High Elevation Wetlands to Past Climate Change in the Never Summer Range, Colorado.*

8:40 Mathew S. Boehm*, Department of Geography, The University of Tennessee; Sally P. Horn, Department of Geography, The University of Tennessee, *Mid-Holocene Fires and Vegetation in Western Tennessee, USA.*

9:00 Barbara A. Holzman, PhD*, San Francisco State University; Jamie Lee Hawk, San Francisco State University; Richard Adam Chasey, San Francisco State University, *Vegetation Mapping and Seed Banks Analyses Of Southeast Farallon Island, San Francisco County, CA.*

9:20 Elizabeth Watson, Ph.D.*, Academy of Natural Sciences of Drexel University; Scott Haag, M.S., Academy of Natural Sciences of Drexel University; Kirk Raper, M.S., Academy of Natural Sciences of Drexel University; Lin Perez, M.S., Academy of Natural Sciences of Drexel University; Caitlin Chaffee, M.S., Rhode Island Coastal Resources Management Council; Nicole Maher, Ph.D., The Nature Conservancy, Long Island Chapter, *Remote sensing techniques for detection of novel ecosystems: a comparison of methods for recognizing coastal marsh transgression with sea level rise.*

4178. Human Impacts on Watershed Processes I - Hydrological Processes & Modeling (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

8:00 Andrei Kirilenko*, University of Florida; Gehendra Kharel, University of North Dakota; Haochi Zheng, University of North Dakota, *Effects of Climate and Land Use Change on the Long-Term Flooding in the Devils Lake, North Dakota Watershed.*

8:20 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; Haijun Deng, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Hydroclimatic challenges at the heart of China's Silk Road.*

8:40 Weihong Li*, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Dalong Li, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Chenggang Zhu, State Key Laboratory of Desert and Oasis Ecology, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Soil erosion and affecting factors in Ili River Valley in the west of Tianshan Mountains in China.*

9:00 Kimberly Lyons*, USFSP; Barnali Dixon, PhD, USFSP, *Evaluating the Effects of Precipitation Extremes on Watershed Hydrology Under Current and Projected Future Climate Conditions Using SWAT.*

9:20 Chansheng He*, Western Michigan University; Lanhui Zhang, PH.D, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (MOE), College of Earth and Environmental Sciences, Lanzhou University; Baoqing Zhang, PH.D, Center for Dryland Water Resources Research and Watershed Science, Key Laboratory of West China's Environmental System (MOE), College of Earth and Environmental Sciences, Lanzhou University, *Watershed Hydrology: Advancement, Opportunities and Challenges.*

4179. Theory and Methods in Geography

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alexandre Veloso Abreu, Pontifical Catholic University of Minas Gerais

8:00 Terrence W. Haverluk, Professor*, US Air Force Academy, *Defending Neoclassical Geopolitics.*

8:20 Muharem Cerabregu*, University of Prishtina, Kosovo, *Geographical Accent: Geographical Language.*

8:40 Jamie Lee Botteon*, Southern Connecticut State University, *Limits to the Quantification of Economic and Social Rights Fulfillment.*

9:00 Naomi Jeffery Petersen*, Central Washington University, *Fracking as a Metaphor for Complex Contexts of Integrated Expertise and Overlapping Jurisdictions.*

9:20 Alexandre Veloso Abreu, Pos-Doc*, Pontifical Catholic University of Minas Gerais; Joao Francisco de Abreu, Professor, Catholic University of Minas Gerais/Brazil, *London Ghost Map: Myth and Reality.*

4180. CIS/ UBC USL Special Issue on Social Media 1 (Sponsored by Cultural Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Luke Richard Barnesmoore, University of British Columbia

CHAIR(S): Luke Richard Barnesmoore, University of British Columbia

8:00 Luke Richard Barnesmoore*, University of British Columbia/ CCIS, *Knowledge, Images and Power in the Social Media Sphere.*

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- 4181. AAG 2016 CFP: CyberGIS for Understanding Complex Food, Energy, and Water Systems (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Tao Lin, University of Illinois at Urbana-Champaign; Jesse Piburn, Oak Ridge National Laboratory; April Morton, Oak Ridge National Laboratory
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 8:00 Tao Lin*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; Luis Rodriguez, University of Illinois at Urbana-Champaign; Wei-Ting Liao, University of Illinois at Urbana-Champaign; Hao Hu, University of Illinois at Urbana-Champaign, *CyberGIS-enabled Farm Management Optimization*.
 8:20 April Morton*, Oak Ridge National Laboratory; Ryan McManamay, Oak Ridge National Laboratory; Nicholas Nagle, Oak Ridge National Laboratory; Jesse Piburn, Oak Ridge National Laboratory; Robert Stewart, Oak Ridge National Laboratory; Sujithkumar Surendran Nair, Oak Ridge National Laboratory, *A High-Resolution Spatially Explicit Monte-Carlo Simulation Approach to Commercial and Residential Electricity and Water Demand Modeling*.
 8:40 Ryan McManamay, PhD*, Oak Ridge National Laboratory; Sujithkumar Surendran Nair, PhD, Oak Ridge National Laboratory; April Morton, Oak Ridge National Laboratory; Christopher DeRolph, Oak Ridge National Laboratory; Robert Stewart, PhD, Oak Ridge National Laboratory, *Quantifying Tradeoffs within the Urban-Energy-Water Nexus through Spatially and Temporally Explicit Water Footprints*.
 9:00 Budhendra Bhaduri*, Oak Ridge National Laboratory, *Towards a Net-zero Urban Energy System: Food for Thought*.
 9:20 Alicia Torregrosa*, United States Geological Survey; Deckard Sorensen, NBD Nanotechnology; Daniel Fernandez, Cal State U Monterey Bay; Travis O'Brien, Climate & Ecosystems Science Division, Lawrence Berkeley National Lab, *Water, water in the air, is there enough to drink?*.
- 4182. Careers, Education, Identity, Tourism, Food, Energy (Sponsored by AAG Jobs and Careers Theme)**
Room: Beijing, Marker Hotel, 2nd Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Margaret Boyle, Pennsylvania State University
 8:00 Alyssa Marie Combs, A.S., A.A., B.A., PMP*, Georgia State University; Timothy Hawthorne, University of Central Florida; Tara Mitchell, Georgia State University; Christy Visaggi, Georgia State University, *The Georgia Geographic Alliance & The Urban Atlanta Geospatial STEM Academy Preparing High School Students for Geospatial Technology Careers*.
 8:05 Aga Szweczyk*, University of West of England, *"I don't want to move my bed": Mobilities of 'Bohemian' photography graduates*.
 8:10 Brenda S. Barr*, National Geographic Society; Brenda Barr, PhD, National Geographic Society, *Think Like a Kid: Spatial Concepts and Skills in the Early Years*.
 8:15 Rachel MK Headley, PhD*, Cobblestone Science LLC; Osa Brand, PhD, NCGE; Jeannette Allen, SSAI, Inc; Ann Johnson, GeoTech Center; Chris Cruz, West Valley College, *Workforce Needs for Satellite Data Technicians Spurs Community of 2-Year College Instructors*.
 8:20 Isaac Colmenero*, Texas Tech University, *Mental Maps of Cumbria*.
 8:25 Lei Yan, PhD candidate*, EPFL, *Cosmopolitan vision on Wikipedia*.
 8:30 Robert Perham, BSc*, Louisiana State University/The University of Manchester; Robert Perham, Louisiana State University/University of Manchester, *A Digital Age of Confederacy: Southern Identities, New Media and Resistance*.
 8:35 Katrina Fukuda*, University of Western Ontario, *Assessing the Impacts and Importance of Representations of Asian Masculinities on Asian Youth in Canada*.
 8:40 Gabriela Rodríguez Jácome*, Universidad Autónoma de Barcelona; Asunción Blanco Romero, Universidad Autónoma de Barcelona, *Island territory, strategic flows and dependence: the case of the Galapagos islands, Ecuador*.
 8:45 Rachael Shook*, Colgate University, *Can state policy help new, small-scale farmers in New York State enter agricultural markets? A case study of the New Farmers Grant Program..*
 8:50 Meg Boyle*, Pennsylvania State University, *Transnational Civil Society and US Climate Action*.
 8:55 Oriol Marquet*, Universitat Autònoma de Barcelona; Xavier Delclos, Universitat Autònoma de Barcelona; Guillem Vich, Universitat Autònoma de Barcelona; Carme Miralles-Guasch, Universitat Autònoma de Barcelona, *Travel behavior and economic crisis in Spain..*
 9:00 Cynthia Barnett-Ryan*, Department of Justice and West Virginia University; Emily H. Griffith, North Carolina State University, *Dynamic Crime Reporting: How Shifting Attitudes of Law Enforcement Analysis of Crime Shaped the Uniform Crime Reporting Program*.
 9:05 Kwesi Daniels*, Temple University, *The Ivory Tower Examined: A Critical Examination of the Social Position of Universities*.
 9:10 Ryan Zachary Good*, University of Florida, *The Political Ecology of Change in Lake Victoria's Fisheries*.
- 4183. The Agency of Place I (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Soren Larsen, University of Missouri; Jay T. Johnson, University of Kansas
 CHAIR(S): Naomi Simmonds, The University of Waikato
 8:00 Soren Larsen*, University of Missouri; Jay T Johnson, University of Kansas, *A Ceremonial Intervention: Entanglements in the Ancestral Cemeteries of the Cheslatta Carrier Nation, British Columbia, Canada*.
 8:20 Jay T. Johnson*, University of Kansas; Soren C Larsen, University of Missouri, *Learning from place: lessons of hospitality and reciprocity at the Waitangi Treaty Grounds, Aotearoa/New Zealand*.
 8:40 Jenny Pickerill*, University of Sheffield; Adam Barker, University of Leicester, *Doings on the land: geographies of place-agency and indigenous action*.
 9:00 Ulrich Oslender*, FIU, *Relational ontology and the aquatic space on Colombia's Pacific Coast: towards constructions of the pluriverse?.*
 Discussant(s): Sarah Wright, University of Newcastle
- 4184. Theory, Knowledge, and Space in Formation**
Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Dragos Simandan, Brock University
 8:00 Chris Collinge*, University of Birmingham, *Becoming-theory*.
 8:20 Thomas J. Christoffel*, Regional Intelligence-Regional Communities, LLC, *"Cooperation Industry Earth" - "Think Local Planet, Act Regionally: Inclusive Future-oriented Meme-Paradigms to integrate Geographic Knowledge to inform Community Motive*

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and Profit Motive in achieving Goals of Worldwide Human Unity and Cooperation.

8:40 Dylan Brady*, University of Oregon, *Materializing the Emergence of the Absolute.*

9:00 Peter Ekman*, University of California, Berkeley, *Landscape, Life, and Things: On the Unthought Geographies of Georg Simmel.*

9:20 Dragos Simandan, Professor*, Brock University, *Wisdom, foresight, and the contingency of spatial formations.*

4185. Grassroots Territorial Organising: Learning from the South (Sponsored by Cultural Geography Specialty Group)

Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Sam Halvorsen; Victoria Helen Habermehl
CHAIR(S): Sam Halvorsen

8:00 Salvatore Paolo De Rosa*, Lund University, *Reclaiming Alternative Socioecologies: Grassroots strategies of territorial sovereignty in the waste conflicts of Campania, Italy.*

8:15 Rosalie Muriset*, University of Neuchâtel, *Waste pickers' political mobilization as an international movement to explore.*

8:30 Chris Courtheyn*, UNC Chapel Hill, *Alter-territories and alter-peaces in Colombia: The "radical transrelational peace" of the San José Peace Community.*

8:45 Mara A Duer, PhD candidate*, Warwick University, *Enclosure as Resistance. Reflections from the Araucania.*

9:00 Antonio Ferraz de Oliveira*, University of Warwick, *Shifting territories and the Birth of Autogestion: Recovering Proudhon's Spatial Politics.*

9:15 Camille Morel*, Paris-Est University, *Local organizations fighting for and in public space: the construction of political space by "defending" two public parks in Buenos Aires.*

4186. Commoning as a Postcapitalist Politics 1: Managing Resources (Sponsored by Economic Geography Specialty Group)

Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Jenny Cameron, University of Newcastle;
Katherine Gibson, University of Western Sydney

CHAIR(S): Katherine Gibson, University of Western Sydney

8:00 Jenny Cameron, A/Prof.*, University of Newcastle, *Commoning the Atmosphere as a Postcapitalist Politics.*

8:20 Matt McCourt*, University of Maine at Farmington, *Commoning alongside others: Commons as a location and medium for practices of rural stewardship.*

8:40 Kevin St. Martin*, Rutgers University, *From Commons as Local Development to Commoning as Global Process: Ontological Interventions in Marine Policy and Planning.*

9:00 Divya Karnad*, Rutgers University, *Making traditional fishermen on the west coast of India.*

9:20 Robert Snyder, Dr*, Island Institute, *Knowledge Production as Ethical Action in the Northeastern U.S. Groundfish Fishery.*

4187. Working Mobilities 1: Precarious subjects and spaces (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Emily Reid-Musson, University of Toronto;
Crystal Melville, York University

CHAIR(S): Crystal Melville, York University

Introducer: Crystal Melville

8:05 Emily Reid-Musson*, University of Toronto, *Mobilities from the Margins.*

8:25 Yan Li*, City University of Hong Kong, *Territorialisation and the Precarious Geography of Creative Labour in China.*

8:45 Lachlan Barber*, Hong Kong Baptist University, *Trucks as "toys": Masculinity, labour and commuting in a rural resource economy.*

9:05 Do Lee*, The Graduate Center, CUNY, *Delivering (in) Justice: Food Delivery Cyclists in New York City.*

Discussant(s): Brenda Saw Ai Yeoh, National University of Singapore

4188. Issues of Ethics, Efficacy, and Merit in International Field School-Based Experiential Learning (Sponsored by Asian Geography Specialty Group, Geography Education Specialty Group)

Room: Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Aaron James Williams, University of Calgary;
Cameron Owens, University of Victoria

CHAIR(S): Byron Miller, University of Calgary

8:00 Elizabeth Vibert*, University of Victoria; Kirsten Sadeghi-Yekta, Dr, University of Victoria, *Power in place: Engagement vs the othering gaze in field schools to the global South.*

8:10 Kirsten Sadeghi-Yekta, PhD*, University of Victoria, *Power in place: Engagement vs the othering gaze in field schools to the global South.*

8:20 Mryka Hall-Beyer*, University of Calgary, Department of Geography, *The Role of Physical Geography in Integrated Overseas Field Schools Focusing on Sustainability.*

8:40 Joe Pavelka*, Mount Royal University; Joe P Pavelka, PhD, Mount Royal University, *Personal Growth and Field School Experience.*

9:00 Donna Senese*, University British Columbia Okanagan; Kellee Caton, Associate Professor, Thompson Rivers University; John Hull, Associate Professor, Thompson Rivers University; Colleen C Hiner, Assistant Professor, Texas State University; Filippo Randelli, Researcher, University of Firenze, *Food Systems, Sustainability and Experiential Educational Travel: the Sonnino experience in Montespertoli, Tuscany.*

9:20 Aaron James Williams*, University of Calgary, *Pedagogical Considerations for Thematic Based Field Programs in the Global North and the Global South.*

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Poster Sessions for Friday are located on pages 312-317.

- 4201. The Upcoming US Elections: Reflections and Predictions from a Geographical Point of View (Sponsored by Political Geography Specialty Group) - Featured Session**
Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 Organizer and Chair: **John Heppen**, University of Wisconsin, River Falls
- Panelists:
Barney Warf, University of Kansas
Gerald R. Webster, University of Wyoming
John Clark Archer, University of Nebraska
John Wertman, American Association of Geographers
Fred M. Shelley, University of Oklahoma
- 4202. Geospatial Enrichment of STEM Education (Sponsored by Geography Education Specialty Group)**
Room: Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Michael N. Solem, American Association of Geographers; Richard G. Boehm, Texas State University
 CHAIR(S): Richard G. Boehm, Texas State University
 Discussant(s): Niem Huynh, American Association of Geographers; Yushan Duan, East China Normal University; Michael N. Solem, American Association of Geographers
 Panelists: Richard G. Boehm, Texas State University; Joann Zadrozny, Texas State University
- 4203. Political Ecology of commodity regions - conceptual and methodological opportunities II (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Beatriz Bustos, Universidad de Chile; Manuel Prieto, Universidad Catolica del Norte
 CHAIR(S): Manuel Prieto, Universidad Catolica del Norte
10:00 Juan Oyarzun*, UCL Institute of Education, *Changing landscapes in education: the influence of neoliberal economy in rural schools and students' identities..*
10:20 Beatriz Bustos*, Universidad de Chile, *Commodifying the region. The case of Los Lagos Region and the salmon industry, Chile.*
10:40 Cecilia Campero*, Pontificia Universidad Catolica de Chile, *Property rights as a spatial dimension: Conflicts for land use in the Chilean mining sector.*
11:00 Marie-Noëlle Carré, Postdoctoral Fellow, Centre de Recherche en Éthique and Université de Montréal (Montréal).; François-Michel LE TOURNEAU*, National Center for Scientific Research, Center for Research and Documentation on the Americas, *Wide-open wastespaces Towards a regional analysis of spatial abandonment in the Americas.*
11:20 Irmak Ertör*, ICTA, Universitat Autònoma de Barcelona; ENT Environment and Management; Daniel Banoub, Manchester University, Geography; Gavin Bridge, Durham University, Department of Geography; Marien Gonzalez Hidalgo, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona; Julie de los Reyes, Manchester University, Geography, *Rethinking resource boom: gold mining, industrial tree plantations and fish farms on the commodity frontier.*
- 4204. Economic Geography and Grand Challenges 2: Path creation (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Christian Binz, Harvard University; Teis Hansen, Department of Human Geography and CIRCLE, Lund University; Josephine V. Rekers, Lund

- University
 CHAIR(S): Christian Binz, Harvard University
10:00 Andrea Simone*, Sapienza, University of Rome, *The relatedness dilemma: regional diversification in US cleantech clusters between industrial branching and institutional drivers. The case of Boston.*
10:20 Jasper Wellbrock*, Institute of Economic and Cultural Geography, Leibniz University of Hanover, *Freaks and visionaries - The role of agents in new path creation in the German wind energy technology.*
10:40 Markus Steen*, SINTEF Technology & Society; Jens Hanson, University of Oslo, *Nothing develops from scratch: sustainability transitions and the dynamics between old and new industrial paths.*
11:00 Kristina Westermark, PhD*, Stockholms University, *Small Swedish 'vulnerable' municipalities with large 'dominating' companies: the case of securing an educated labor force.*
 Discussant(s): Koen Frenken, Utrecht University
- 4205. Ordinary Place Making II (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Marinda Griffin, University of North Texas
 CHAIR(S): Steve Millington, Manchester Metropolitan University
 Introducer: Steve Millington
 Discussant(s): Steve Millington, Manchester Metropolitan University; David Beel, University of Sheffield; Pablo Astorga, University College London; Marinda Griffin, University of North Texas; Elaine Speight, University of Central Lancashire
 Panelists: Julian R. Shaw, King's College London; Anita McKeown, NCAD; Hannah Jaicks, The CUNY Graduate Center
- 4206. Contestations and negotiations over place in super-diverse neighborhoods 2: Everyday encounters with difference (Sponsored by Urban Geography Specialty Group)**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Myrte Hoekstra; Fenne Pinkster, Universiteit Van Amsterdam
 CHAIR(S): Fenne Pinkster, Universiteit Van Amsterdam
10:00 Robin Finlay*, London School of Economics and Political Science & Newcastle University.; Suzanne Hall, Dr, London School of Economics and Political Science.; Julia King, Dr, London School of Economics and Political Science., *Comparing 'super-diverse' streets: street views of policy, economy and encounters..*
10:20 Ympkje Albeda*, University of Antwerp, *Symbolic boundary making in hyper-diverse deprived neighbourhoods in Antwerp and Rotterdam.*
10:40 Katherine Stansfeld, MA*, Royal Holloway, *Practising encounters: using visual ethnography to explore conviviality in super-diverse Finsbury Park, London.*
11:00 Myrte S. Hoekstra, Msc*, University of Amsterdam; Fenne M. Pinkster, Dr., University of Amsterdam, *"We want to be there for everyone": Neighbourhood initiatives and the politics of place in a super-diverse Amsterdam neighbourhood.*
 Discussant(s): Fenne Pinkster, Universiteit Van Amsterdam
- 4207. Global Science Scapes 2**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): David Valler
 CHAIR(S): David Valler
10:00 Henry Etzkowitz*, International Triple Helix Institute, *Silicon Valley: too successful?.*
10:20 Jinn-yuh Hsu*, National Taiwan University, *The Hsinchu Science-based Industrial Park, a Special Zone of Economic Nationalism in Taiwan?.*

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10:40 Yong-Sook Lee*, Korea University, *Daedeok Science and Technology (S&T) Park as Global Science' Scape: its possibilities and limitations.*

11:00 Do Young Oh*, London School of Economics and Political Science, *New Songdo City: Unsung Science Space in South Korea.*

Discussant(s): Jean-Paul Addie, University College London

4208. Playing with methods

Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Jana Wendler, University of Manchester; Tim Edensor, Manchester Metropolitan University

CHAIR(S): Jana Wendler, University of Manchester

10:00 Emma Arnold*, Department of Sociology and Human Geography, University of Oslo, *Get lost! Psychogeographic and photographic explorations of graffiti and street art in Norway.*

10:20 Damien Masson*, Université de Cergy-Pontoise. Laboratoire MRTE, *Schizophonic Games.*

10:40 Anja H. Bieri, PhD*, Virginia Tech, *Walk, Play, Imagine - Walking as Research and Art.*

11:00 Jana Wendler*, University of Manchester; Chris Perkins, University of Manchester, *Play as a research approach: thoughts from an island.*

Discussant(s): Tim Edensor, Manchester Metropolitan University

4209. Point, Line, Plane, Volume: Increasing Dimensionality in Geographic Inquiry I (Sponsored by Political Geography Specialty Group)

Room: Plaza A, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Katherine Genevieve Sammler, University of Arizona - Geography & Regional Development; Audra El Vilaly, The University of Arizona

CHAIR(S): Katherine Genevieve Sammler, University of Arizona - Geography & Regional Development

10:00 Elizabeth Reddy*, University of California at Irvine, *Surfacing: Mexican Seismicity Out of the Underground.*

10:20 Kai A. Bosworth*, University of Minnesota - Minneapolis, *Keystone XL, hydrogeology, and the verticality of property.*

10:40 Katherine Genevieve Sammler*, University of Arizona - School of Geography and Development, *Common Heritage or Private Commodity: Political Geography of Sea, Air, and Space.*

11:00 Irma Allen*, KTH, Royal Institute of Technology, *Wayward volumes, disciplining planes: Constructing the post-nuclear imaginary.*

11:20 Audra El Vilaly*, The University of Arizona, *The stretching of hearts and minds: voluminous verticalities of embodied politics.*

4210. Partnering to Grow the Humanitarian Mapping Crowd (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)

Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Thomas Gertin; Sven Fuhrmann, George Mason University

CHAIR(S): Thomas Gertin

10:00 Thomas Gertin

10:20 Sven Fuhrmann*, George Mason University, *Service Learning in Geoinformation Technology Courses.*

10:40 Dristie Patel, Red Cross

11:00 Chad Austin Blevins, USAID

4211. Deleuzian Geographies: Problems and Milieus 2

Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Andrew Lapworth, University of Bristol; John-David C. Dewsbury, University Of Bristol; Scott Sharpe, University of New South Wales at Canberra

CHAIR(S): Andrew Lapworth, University of Bristol

10:00 Keith Woodward*, University of Wisconsin-Madison,

Deleuze and Site Ontology. A Reconsideration.

10:20 John-David C. Dewsbury*, University Of Bristol; JD Dewsbury, University of Bristol, *Deleuze and Immanent Critique; or, Experiential Tension.*

10:40 Paulina Nordström*, *Material traces and chimeric point clouds - the digital technology of laser scanning as vehicle to past presents and passage to events yet to come.*

11:00 Scott Sharpe*, UNSW Canberra, *Deleuze's Bergson on Bergson's Laughter.*

Discussant(s): Andrew Lapworth, University of Bristol

4212. Polar Issues V: Indigenous Communities and Sustainable Development in the Arctic (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Polar Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Continental 2, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Emily Francis, University of Northern Iowa; Andrey N. Petrov, University of Northern Iowa

CHAIR(S): Jessica K. Graybill, Colgate University

10:00 Ben Bradshaw, Ph.D.*, Department of Geography, University of Guelph; Caitlin Kenny, M.A., Department of Geography, University of Guelph, *Exercising authority: The experiences of two Indigenous governments with mine development proposals in their traditional territories.*

10:20 Kathi Wilson, Department of Geography, University of Toronto Mississauga; Scott Barnes*, Wictehtowak Limnos Consulting Services Ltd.; Solomon Cyr, Wictehtowak Limnos Consulting Services Ltd., *Old Knowledge, New Perspectives: Asserting Stewardship in Resource Development in Saskatchewan Canada.*

10:40 Victoria A. Walsey*, University of Kansas, *A Journey to the heart of Equity: Geographic Marginalization and the idea of Co-management for Subsistence in the Alaskan Salmon Fishery.*

Discussant(s): Natalia Loukacheva

4213. Language, Text, and Place: Novel Methods and Reserch Questions

Room: Continental 3, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mariana Araujo Lamego, UERJ

10:00 Karl Grossner*, Stanford University; Kenneth Ligda, Stanford University, *Athorial [X]: Research and Pedagogy in a Historical Literary Geography Platform.*

10:20 Boris Beaude*, Ecole Polytechnique Fédérale de Lausanne; Ogier Maitre*, Ecole Polytechnique Fédérale de Lausanne; Lucas Tiphine, Ecole Polytechnique Fédérale de Lausanne, *What do you need to say to be published in high-impact journals in human geography?.*

10:40 Malcolm Richardson, Taylor Professor*, Louisiana State University; Gabriele Richardson, Ph.D. student, Louisiana State University, *Inns and Ink: Locating Writing Schools in late Medieval London.*

11:00 Laura Schmidt*, University of Hamburg, *Out of the Ivory Tower, into Reality. Tracing Transdisciplinary Research in the Post-colonial Making..*

11:20 Mariana Araujo Lamego, PhD*, State University of Rio de Janeiro (UERJ), *On Knowledge in Transit: the translation of quantitative ideas in Brazilian geography.*

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- 4214. Critical Engagements with Transit-oriented Development**
Room: Continental 4, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Sarah Launius, University of Arizona
 CHAIR(S): Timothy J. Brock, Missouri State University
 Panelists: Timothy J. Brock, Missouri State University; Jen Gray-O'Connor, University of California; Yonn A. Dierwechter, University Of Washington - Tacoma; Jason Henderson, San Francisco State University; Sarah Launius, University of Arizona
- 4215. Richard Brittan Talk**
Room: Continental 5, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Allison Brown, Tuscarora International
 CHAIR(S): Allison Brown, Tuscarora International
- 4217. Smart + Sustainable? 2: A critical look at digitally-enabled green urbanism**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Alexander Aylett, National Institute for Scientific Research
 CHAIR(S): Andres Luque-Ayala, Durham University, UK
10:00 Ellie Cosgrave*, University College London, *Green digital democracies: realizing the right to the smart city?.*
10:20 Aksel Ersoy*, University of Bristol; Alex Marsh, University of Bristol, *Smart cities as a mechanism towards a broader understanding of sustainable cities.*
10:40 Sofia T Shwayri*, University of California Berkeley, *Rewired: Seoul's e-Governance of Policies for Sustainability.*
11:00 Pamela Jean Robinson*, Ryerson University, *Green Tools: Is Civic Tech Advancing Environmental Action and Governance?.*
 Discussant(s): Alexander Aylett, National Institute for Scientific Research
- 4218. Rural agency in the 'Green Economy' II: Rural energy futures (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Economic Geography Specialty Group)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Sean Francis Kennedy, UCLA; Tyler Harlan, University of California, Los Angeles
 CHAIR(S): Tyler Harlan, University of California, Los Angeles
10:00 Tyler Harlan*, University of California, Los Angeles, *From poverty alleviation to green production: Small hydropower in China and the making of a rural development model.*
10:15 Marissa Z. Bell*, SUNY Buffalo, *Energyscapes in Transition: Resisting Renewables, Standing by Nuclear?.*
10:30 Morey Burnham*, SUNY ESF; Wes Eaton, Pennsylvania State University; Theresa Selfa, SUNY ESF; Clare Hinrichs, Pennsylvania State University; Andrea Feldpausch-Parker, SUNY ESF, *Bioenergy experts and their imagined publics: implications for sociotechnical practice and change.*
10:45 Laurent GAZULL*, CIRAD; Denis Gautier, CIRAD, *Green energy and rural development in developing countries: a marriage attempt which is falling apart.*
 Discussant(s): Jennifer Baka, London School of Economics
- 4219. Relational Poverty 11: Capital in the 21st Century and Multi-Scalar Geographies of Inequality, session 2: Urban inequality (Sponsored by Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Economic Geography Specialty Group)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Peter Lindner, University of Frankfurt; Eric S. Sheppard, UCLA
 CHAIR(S): Eric S. Sheppard, UCLA
10:00 Tiit Tammaru*, Department of Geography, University of Tartu; Szymon Marcinczak, University of Łódź, *Inequality and Socio-economic Segregation in European Capital Cities.*
- 10:20** Antoine Paccoud*, Luxembourg Institute for Socio-Economic Research (LISER), *Gentrification as the return of rentiers: insights from Piketty's 'longue durée' of inequality.*
- 10:40** Dylan Simone*, University of Toronto, *Immigration, Financial 'Inclusion', and the Urban Debtscape in Canada.*
- 11:00** Alan Walks*, University Of Toronto, *Changing Social and Spatial Inequalities in Household Wealth in Canada since the Global Financial Crisis: Empirical Analysis and Theoretical Implications.*
- 11:20** I-Chun Catherine Chang*, Macalester College, *Displacement and Replacement: New Trajectories of Socio-Spatial Mobility in Chinese Urban Sustainability Experiments.*
- 4220. Cognition, Visualisation and User Issues, V (Sponsored by Geographic Information Science and Systems Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Cartography Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Amy Griffin, UNSW Canberra; Alexander Savelyev, The Pennsylvania State University
 CHAIR(S): Kristien Ooms, Ghent University
10:00 Pepijn Viae*, Ghent University; Alain De Wulf, Ghent University; Philippe De Maeyer, Ghent University, *The Use of E-Spaces as a Wayfinding Graph.*
10:20 Rui Li*, SUNY - Albany; Jiyan (Tony) Zhao, SUNY - Albany, *Using resizable icons to visualize distance and direction of off-screen landmarks on mobile devices.*
10:40 Aileen R. Buckley, Ph.D.*, Esri; Lauren Scott Griffin, PhD, Esri, Inc., *Holey maps! Dealing with no data, missing data, unknown data, uncertain data, little data, or suppressed data.*
11:00 Jeff Howarth*, Middlebury College; Mike Ryba, Middlebury College, *Connecting new learning environments to research in GIS and cartography education.*
11:20 Mairead De Roiste*, Victoria University; Andrew Clouston, Victoria University of Wellington, *Navigating the geovisualization path: A geo-mentor guided journey with new users.*
- 4221. Uncertainty and Quality Issues in Spatial Data Analysis: Landscape and Feature (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)**
Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Min Sun, George Mason University; Daniel A. Griffith, U. of Texas at Dallas; David W. Wong, George Mason University
 CHAIR(S): Yongwan Chun, The University of Texas at Dallas
10:00 Hannah Cooper*, Florida Atlantic University; Caiyun Zhang, PhD, Florida Atlantic University, *Uncertainty in LiDAR elevation measurements of coastal vegetation substrate for sea-level rise assessment.*
10:20 Nicholas O. Ronnei*, Michigan State University; Ashton Shortridge, Dr., Michigan State University, *Navigating Error and Uncertainty in Global Digital Elevation Models: A User-First Approach.*
10:40 Jianhua Wu*, School of Geography and Environment, Jiangxi Normal University; YaoYi Chiang, Spatial Sciences Institute, University of Southern California; Yangyang Wan, School of Geography and Environment, Jiangxi Normal University, *A New Matching Algorithm Based on Voronoi Diagram for Multi-scale Areal Residential Area Data.*

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11:00 Taylor Hauser*, *Data Profiling, Data Synchronization, and Feature Detection from Tabular Data.*

11:20 Jillian E Ames*, University of Texas, Austin; Jennifer A Miller, University of Texas at Austin, *How does uncertainty influence spatial projections of malaria?.*

4224. Geoforum Lecture: The Urban Land Question

Room: Imperial A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Padraig Carmody, Trinity College Dublin
 CHAIR(S): Padraig Carmody, Trinity College Dublin
 Introducer: Padraig Carmody
 Discussant(s): Elvin K. Wyly, University of British Columbia; Nicholas Blomley, Simon Fraser University; D. Asher Ghertner, Rutgers University
 Panelists: Ananya Roy, University of California, Los Angeles

4225. Interdisciplinarity in Graduate Training in New Institutional Landscapes (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Cultural and Political Ecology Specialty Group, Climate Specialty Group, Graduate Student Affinity Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Jase Bernhardt, Penn State University; Jamie Shinn, Texas A&M; David Retchless, Texas A&M University at Galveston
 CHAIR(S): Arielle Hesse, Penn State
 Panelists: Julie Winkler, Michigan State University; Kenneth R. Young, University of Texas at Austin; Russell Hedberg, Pennsylvania State University; Christine Biermann, University of Washington; Antoinette MGA. WinklerPrins, Johns Hopkins University; Vincent J. Del Casino, University of Arizona; Mona Domosh, Dartmouth College

4226. Walking the Tightrope: Making Ideas on Power and Resilience Practical for Women's Careers in Geography (Sponsored by AAG Jobs and Careers Theme)

Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)
 This session is a continuation of the previous timeslot, 4126.

4227. Career Mentoring D (Sponsored by AAG Jobs and Careers Theme)

Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers
 CHAIR(S): Mark Revell, American Association of Geographers
 Discussant(s): Denise Blanchard, Texas State University; Linda A. Peters, Esri; Kerry Lyste, Everett Community College; Osvaldo A. Muniz, Texas State University, San Marcos; Rachel Berndtson, Department of Geographical Sciences, University of Maryland; Injeong Jo, Texas State University; Melvin Arthur Johnson, University of Wisconsin-Manitowoc

4228. SAGE 1: "The role of geography in nexus thinking: Becoming institutional and community leaders while defending the discipline!" (Sponsored by AAG Jobs and Careers Theme, Stand-Alone Geographers Affinity Group)

Room: Union Square 1, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Amy E. Potter, Armstrong State University
 CHAIR(S): Amy E. Potter, Armstrong State University
 Panelists: Joshua P. Newell, University of Michigan; Denise Goerisch, University of Wisconsin; Richard S. Kujawa, Saint Michael's College, Vermont; Kelvin Williams; Jacqueline A. Housel, Sinclair Community College; Yolonda Youngs, Idaho State University; Amy E. Potter, Armstrong State University

4229. Planning revitalization in racialized neighborhoods in White colonial settler societies 2 (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Melissa Fong, University of Toronto

CHAIR(S): Melissa Fong, University of Toronto

10:00 Margaret Pettygrove*, University of Wisconsin-Milwaukee, *Urban Agriculture, Land Use, and the Remaking of "Inner City" Milwaukee.*

10:17 Lisi Feng, Dr.*, University of British Columbia, *The Multiple Meanings of "Chinese: The case of Chinatown Revitalization Process in the City of Vancouver, Canada.*

10:34 Megan E. Heim LaFrombois, PhD Candidate*, University of Illinois - Chicago, *"These 'People' Are Going to be Around for a While:" Exclusionary Efforts of Reclaiming Urban Space through Tactical Urbanism.*

10:51 Anna Livia Brand, PhD*, University of New Orleans, *Claiborne on the Verge: The Black Mecca in 21st Century America.*

11:08 Trevor James Wideman*, Simon Fraser University; Jeffrey R Masuda, PhD, Queen's University, *(Dis)assembling "Japantown" in the Downtown Eastside.*

Discussant(s): Wendy S. Shaw, University Of New South Wales

4230. Spatial Inequality, Sustainability and Policy in China and Asia II: Region (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group)

Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Yehua Dennis Wei, University of Utah; David W. Edgington, University Of British Columbia
 CHAIR(S): Xingjian Liu, University of Hong Kong
10:00 Yehua Dennis Wei*, University of Utah, *Spatial Inequality in China.*
10:20 Li Huang*, Department of Geography, University of Idaho; Felix Haifeng Liao, Department of Geography, University of Idaho, *The spatial-temporal dynamics of regional inequality in Zhejiang, China: A spMorph approach.*
10:40 Song Ding*, East China Normal University; Bindong Sun, East China Normal University, *Spatial Efficiency VS Regional Balance Tradeoff: Evidence from China.*
11:00 Yong Zhang*, Peking University; De Tong, Peking University; Xiongfei Liang, Peking University, *A New Perspective on Regional Inequality: Theory and Evidence.*
11:20 HUI LIU*, *Spatial pattern and club convergence analysis of urban expansion in Beijing-Tianjin-Hebei Urban Agglomeration.*

4231. Spatiotemporal Symposium: Geospatial Ontology and Semantics II - Technologies (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Chen-Chieh Feng, Geography, National University of Singapore; Gaurav Sinha, Ohio University
 CHAIR(S): Gaurav Sinha, Ohio University
10:00 Yiting Ju*, University of California - Santa Barbara, *Ontology Design Pattern of Spatiotemporal Scope: From an Application to Life Cycle Assessment.*
10:20 Kejin Cui*, University At Buffalo, *An Ontological Model to Describe Agent-based Modeling and its Geographic Representation.*
10:40 Bo Yan*, University of California, Santa Barbara, *Geo-ontology Quality Evaluation and Difference Measurement.*
11:00 Alexandre Sorokine*, Oak Ridge National Laboratory; Robert N Stewart, Oak Ridge National Laboratory, *Internal Consistency in Spatio-Temporal Databases with Identity.*
 Discussant(s): Gaurav Sinha, Ohio University

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- 4232. Case Studies of Environment, Health and Policy in Africa (Sponsored by Africa Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Andrea Rishworth, Ottawa University
 CHAIR(S): Andrea Rishworth, Ottawa University
10:00 Seth Appiah-Opoku*, University Of Alabama; Steven Jones, Engineering Department, University of Alabama, Tuscaloosa; Moses Tefe, Engineering Department, Norwich University, Vermont, USA, *Transport and Road Safety in Rural Africa: A Case Study.*
10:20 Judith Namanya, MS/MPH*, Michigan State University; Amber L. Pearson, PhD, Michigan State University, *A qualitative understanding of meanings and drivers of well-being in rural south-western Uganda.*
10:40 Sigismond Ayodele Wilson*, Rogers State University, *Mining-Induced Displacement and Resettlement in Sub-Saharan Africa: A Political Ecology Approach.*
11:00 Samuel Adu-Prah, PhD.*, Sam Houston State University, *Spatiotemporal analysis of malaria prevalence in a transitional agro-ecological zone of Ghana.*
- 4233. Alternative Fuels, Vehicles, and Infrastructure #2 (Sponsored by Energy and Environment Specialty Group, Transportation Geography Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Michael Kuby, Arizona State University; Scott Kelley, Arizona State University
 CHAIR(S): Michael Kuby, Arizona State University
10:00 Christopher D. Higgins, Ph.D.*, McMaster Institute for Transportation and Logistics; Moataz Mahmoud, Ph.D., McMaster Institute for Transportation and Logistics; Mark Ferguson, Ph.D., McMaster Institute for Transportation and Logistics; Pavlos Kanaroglou, Ph.D., McMaster University, *Spatial and Demographic Sub-Markets Informing Preferences for Electric Vehicles in Canada.*
10:20 Craig Morton*, University of Aberdeen; Jillian Anable, University of Aberdeen; Godwin Yeboah, University of Aberdeen; Caitlin Cottrill, University of Aberdeen, *Exploring the Spatial Pattern of Demand in the Early Market for Electric Vehicles: Evidence from the United Kingdom.*
10:40 Svenja Seelinger*, Technische Universität Darmstadt, Chair for Spatial and Infrastructure Planning, *Diffusion of sustainable innovations: Electric cars, stakeholders and the case of Stuttgart (Germany).*
 Discussant(s): Christopher D. Higgins, McMaster University; Craig Morton, University of Aberdeen; Svenja Seelinger; Scott Kelley, Arizona State University; Michael Kuby, Arizona State University; Andrew S. Martinez, California Air Resources Board; Bo Dong, University of New South Wales, Canberra
- 4234. State, Power, Resistance (2): Social Movements, the production of space, and contested logics of capitalist territoriality**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Karl Beitel; Raju J. Das, York University
 CHAIR(S): Charvaak Pati, York University
10:00 Yi-ling Chen*, University of Wyoming, *Re-occupy the State: Social Housing Movement and Transformation of Housing Policies in Taiwan.*
10:20 Hannes Gerhardt, Dr.*, University of West Georgia, *Future technologies' role in shaping future social movements.*
10:40 Georgios Velegrakis*, Harokopio University Athens; Danai Tzika-Kostopoulou, National Technical University Athens; Tatiana Chani, National Technical University Athens, *Social struggles and counter-hegemonic practices in crisis ridden Greece.*
11:00 Ana Paula Pimentel Walker, Assistant Professor*, University of Michigan, Ann Arbor; Ana Paula Pimentel Walker, Assistant Professor, University of Michigan, Ann Arbor, *The Evolving Politics of Tenure (In)Security: Informal Settlers Struggles Against Evictions in Porto Alegre.*
- 4237. China's Population Geography, Migration, and Labor Market (Sponsored by China Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Steven Rolf, University of Bristol
10:00 Pu Hao*, Hong Kong Baptist University, *Migration Destination Choice in the Urban Hierarchy: Evidence from China's Jiangsu Province.*
10:20 Yang Zhou, College of Resources Science and Technology, Beijing Normal University, Beijing 100875, China; Yang Zhou*, Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China, *Exploring population spatial distributions in China and its characteristic evolution over time.*
10:40 He Xiong*, *Comparison of Demographic Characteristics among Wuhan and Chinese Five National Central Cities.*
11:00 Tianming Chen*, Peking University; Weiwei Cao, State Grid, *Population redistribution and New Firm Formation across China.*
11:20 Steven Rolf*, University of Bristol; Steve Rolf, University of Bristol, *State strategy and class conflict in contemporary China: The case of Dongguan.*
- 4238. China's Trade and Regional Development II (Sponsored by China Specialty Group, Economic Geography Specialty Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Nicolas Barrette
10:00 Zhouying Song*, Institute of Geographic Sciences and Natural Resources Research, CAS; Peiping Gong, Institute of Geography Sciences and Natural Resources Research, Chinese Academy of Sciences; Weidong Liu, Institute of Geography Sciences and Natural Resources Research, Chinese Academy of Sciences., *Commodity structure of trade between China and "The Belt and Road" countries.*
10:20 ZHENG WANG*, Institute of Policy and Management, CAS; Haibin Xia, East China Normal University; Qingchun Liu, Shandong University of Finance and Economics, *Evolution of Economic Geographical Structure in Mainland China.*
10:40 Li Yunxiong*; Ren Yonghuan; He Canfei, *Spatial difference of Chinese foreign trade resilience under the background of financial crisis.*
11:00 JIE FAN*; DONG CHEN, *Research on the location of State-Level New Area in China.*
11:20 Yuze Jin*; Xianjin Huang; Yi Zhu; Huan Li, *Evaluation of land population carrying capacity in the Yangtze River Economic Belt based on food security.*
- 4239. Geo-economics: geographer's innovation in economics (Sponsored by Political Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**
Room: *Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Balázs Forman, Corvinus University of Budapest; Zoltán Gál, Kaposvar University; HAS Centre for Regional Studies,
 CHAIR(S): Balázs Forman, Corvinus University of Budapest
10:00 Katarina Haugen*, Umea University; Kerstin Westin, Department of Geography and Economic History, Umeå University, Sweden, *'It is not a problem until it becomes a problem' - A qualitative study of views on*

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- family ties across labor market geographies.*
- 10:20** Sarah Nagel*, Goethe University Frankfurt, *The role of the state in Istanbul's urban development.*
- 10:40** Aura Moldovan*, Babes-Bolyai University, Cluj-Napoca, *Territorial Mobility and Socio-Spatial Polarization in Romania.*
- 11:00** Maja Lagerqvist*, Stockholm University, *Joint Hands for Heritage in Times of Crisis? Community Heritage Involvement in the Global Economic Crisis.*
- 11:20** Norbert Csizmadia*, The Central Bank of Hungary, *Geomoments.*
- Discussant(s): Balázs Forman, Corvinus University of Budapest
- 4240. Symposium on Human Dynamics Research: Modeling Human Dynamics 1 (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
- Room:* Union Square 13, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Paul Torrens, University of Maryland
CHAIR(S): Paul Torrens, University of Maryland
- 10:00** Atsushi Nara*, San Diego State University, *Space-time data analytics for modeling fine-scale human dynamics.*
- 10:20** Jeanne Jones*, U.S. Geological Survey, Western Geographic Science Center; Nathan Wood, PhD, U.S. Geological Survey, Western Geographic Science Center; Mathew Schmidlein, PhD, California State University, Sacramento, Dept. of Geography, *Pedestrian Flow Paths for Tsunami Evacuation Planning.*
- 10:40** Paul Torrens*, University of Maryland, *Modeling human movement in massively dynamic detail.*
- 11:00** Ola Ahlqvist*, The Ohio State University, *GeoGame Modeling and Analytics of Human Environment Dynamics.*
- Discussant(s): Somayeh Dodge, University of Colorado Colorado Springs
- 4241. Sports Geography II (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
- Room:* Union Square 14, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Steven P. Ericson, University of Alabama
CHAIR(S): Steven P. Ericson, University of Alabama
- 10:00** Michael Friedman, Ph.D.*, University of Maryland, College Park; Adam Beissel, Ph.D., University of Maryland, College Park, *Supercharging the mallpark: Battery Atlanta and the future of baseball stadium development.*
- 10:20** Richard Wetzel*, BA Student, Michigan State University, *Geographic factors affecting free agent signing destinations in the National Hockey League.*
- 10:40** Andy Walter*, University of West Georgia, *Geographies of the sports industry: The view from Atlanta.*
- 11:00** Mark De Socio*, Salisbury University, *Locational Geography of Minor League Baseball, 1992-2013.*
- 11:20** Steven R Schultze*, University of South Alabama, *Centers of Power in European Domestic Football Leagues: 1980 to 2015.*
- 4242. Epistemological Struggles over Indigenous Lands (Sponsored by Indigenous Peoples Specialty Group)**
- Room:* Union Square 15, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): RDK Herman, National Museum of the American Indian
CHAIR(S): Jeffrey M. Young, LizardTech
- 10:00** Ann Evans Larimore*, University of Michigan, *Imaginary Cultural Landscapes, Drivers of Capitalist Expansion Submerge Indigenous Ethnic Cultures and their Landscapes.*
- 10:20** Aanchal Saraf*, Brown University, *Malama ka 'Aina: Kanaka Maoli Epistemologies in a Neoliberal Era.*
- 10:40** Anna Feyerherm*, University of Missouri - Columbia, *The Papahānaumokuākea World Heritage Cultural Landscape: Discourses and Representations.*
- 11:00** Monica E. Mulrennan*, Concordia University, *Debe Tonar: Respecting and Sharing Community Land and Sea Space on Erub, Torres Strait, Australia.*
- 11:20** Jeffrey M. Young*, LizardTech, *Exploration of Indigenous, Native and Tribal Place Name Preservation in the United States.*
- 4243. Multi-Scalar Conflicts over Hydraulic Fracturing (Part II) (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**
- Room:* Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Sarah T. Romano, University of Northern Colorado; Jen Schneider, Boise State University
CHAIR(S): Jen Schneider, Boise State University
- 10:00** Madeline Gottlieb*, UC Davis Ecology Graduate Group - Davis, CA, *Citizen Response to Shale Hydrocarbon Development.*
- 10:15** Andrea Christina Wirsching*, Community and Regional Planning, The University of Texas at Austin, *Geographies of Fracking in South Texas: Land Rights, Power and Agency in Colonias.*
- 10:30** Stacia S Ryder, Colorado State University; Peter Mandel Hall*, Colorado State University, *Understanding divergent governance outcomes in a multiscale hydraulic fracturing action field: Power and Politics of Scale and Space in Northern Colorado.*
- 10:45** Anika Leithner*, California Polytechnic State University; Elizabeth Lowham*, California Polytechnic State University, San Luis Obispo, *Framing Fracking: Language and Environmental Policy in International Perspective.*
- 11:00** Tiffany Grobelski, PhC*, University of Washington, Seattle, *"Let's talk about shale gas": Mobilization against shale gas exploration in Poland.*
- 4244. GPOW Student Session: Geographies of Gender and Intersectionality (Sponsored by Geographic Perspectives on Women Specialty Group)**
- Room:* Union Square 17, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Milena U. Janiec-Grygo, University of South Florida
CHAIR(S): Milena U. Janiec-Grygo, University of South Florida
- 10:00** MinKyung Koh*, Ohio State University, *Multiculturalism as neoliberal governmentality in South Korea.*
- 10:20** Kelsey Brain*, Pennsylvania State University, *Mining, Gender, and Livelihood Transformations in "Post-neoliberal" Bolivia.*
- 10:40** Julian Barr*, University of Washington, *Time and Space for Lesbian Geographies.*
- 11:00** Ashley Erbe*, University of Arizona, *"I have more power than a sarpanch": Narratives on the Role of Women's Leadership and Microfinance Institutions in the Politics of Rural India.*
- 11:20** Milena U. Janiec*, University of South Florida, *Concerns About Safety Among Migrants in Japan: Differentiating Urban and Rural Settings.*
- 4245. The Interstices of Care 2 (Sponsored by Geographic Perspectives on Women Specialty Group)**
- Room:* Union Square 18, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Christine Elizabeth Smith, University of Kentucky; Kelsey Hanrahan
CHAIR(S): Christine Elizabeth Smith, University of Kentucky
- 10:00** Cory Sanchez*, University of Georgia, *Campus Models as Places of Transformation: New Approaches to Urban Homelessness.*
- 10:20** Ann E. Bartos, PhD*, University of Auckland, *Young people's caring and non-caring political agency.*
- 10:40** Jamie L. Winders*, Syracuse University, *Theorizing the*

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production/social reproduction nexus, theorizing care.
Discussant(s): Kirsi Pauliina Kallio, University Of Tampere

4246. **New Voices in Rural Geography II (Sponsored by Rural Geography Specialty Group)**

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Sarah A. Mason, University of Western Ontario; William A. Wetherholt, Kansas State University

CHAIR(S): Sarah A. Mason, University of Western Ontario

10:00 Lauren Drakopoulos, MS, Doctoral Student*, University of Washington, *Rural development in the post-crisis Greek state.*

10:20 Jeffrey S. Jenkins*, University of California, Santa Cruz, *The Shifting Nature of Public Lands: Land exchanges, commensurability of value, and rare earth in the West.*

10:40 Christina W. Lopez*, Texas State University; Colleen C Hiner, PhD, Texas State University, *Back to the Garden Again: Examples from Texas.*

11:00 Laura B Johnson*, Michigan State University; Gary R Schnakenberg, Michigan State University; Nicholas A Perdue, University of Oregon, *Placing Local Food Systems: Farm Tours as Care- and Place-Based Education.*

Discussant(s): Kirsten Valentine Cadieux, Hamline University; Colleen C. Hiner, Texas State University

4247. **Material Culture and Geography I (Sponsored by Landscape Specialty Group, Cultural Geography Specialty Group)**

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University

CHAIR(S): Sara Beth Keough, Saginaw Valley State University

10:00 Ola Johansson*, University of Pittsburgh at Johnstown; Michael Cornebise, Eastern Illinois University, *The Pennsylvania Town Revisited: Preservation and Planning in a Changing Townscape.*

10:20 Perry L. Carter*, Texas Tech University, *Re-embodiment the Enslaved: Southern Louisiana's Whitney Plantation Museum.*

10:40 Elizabeth Hines, Ph.D.*, University Of North Carolina Wilmington, *That Thing That I Have To Be: The Dixie Art Colony and No Boundaries International Art Colony.*

11:00 Ipsita Chatterjee*, University of North Texas, *Spectacular Cities: Religion, Landscapes, and the dialectics of Globalization.*

11:20 joni m palmer, PhD*, University of Colorado at Boulder, *Public art and the making of the city: The importance of writing the histories of Public Art Programs.*

4248. **Inaugural China Geography Specialty Group Illustrated Paper Session (Sponsored by China Specialty Group)**

Room: Union Square 21, Hilton Hotel, 4th Floor (Illustrated Paper Session)

ORGANIZER(S): David W. Edgington, University Of British Columbia; Ding Fei, University of Minnesota - Minneapolis

CHAIR(S): David W. Edgington, University Of British Columbia

10:00 Lucas Ysidro Reyes*, Humboldt State University, *Chinese Policy Degrades Tibetan Livelihoods Through Green Revolution Technologies.*

10:10 Feng Boyan*, Academy of Disaster Reduction and Emergency Management, Beijing Normal University; Wang Pin, Academy of Disaster Reduction and Emergency Management, Beijing Normal University, *ENSO-Climate Fluctuation-Crop Yield Early Warning System? A Case Study in Jilin and Liaoning Province in Northeast China.*

10:20 Ying Wang*, China University of Geosciences; Jiangfeng Li, China University of Geosciences; Congcong Liu, China Construction Third Engineering Bureau Group

CO. LTD, *Impact of cropland changes on food security dynamics in the Yangtze River Basin, China, from 1990 to 2010.*

10:30 Chao Yang*, China University of Geosciences; Chao Yang, China University of Geosciences, China;, *A Study on the Integration Development of Yacht Industry and Real Estate Industry Based on the Theory of Modified Diamond Model -----A case study of a coastal town "S town" in Guangdong Province, China.*

10:40 Zhan Dongsheng*, *Determinants of urban residents' air pollution perception in Bohai Rim region in China.*

10:50 Xiaoren Xu*, Chinese Academy of Sciences, *Analysis of spatial-temporal variation of human activity intensity in Loess Plateau region.*

11:00 Yahan Teng*, Texas State University; Yongmei Lu, Texas State University, *Child Health in China: Regional Differences and Impact Factors.*

4249. **An Informational Right to the City? 2/3: ICTs & Contested Representation**

Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Joe Shaw; Mark Graham, University of Oxford

CHAIR(S): Mark Graham, University of Oxford

10:00 Sophia Drakopoulou*, Middlesex University, *Right to the City and Open Data Mapping.*

10:20 Valentina Carraro*, Hong Kong City University; Bart Wissink, Hong Kong City University, *Cartographic Uprising: Jerusalem's Digital Maps Between Facts and Action.*

10:40 Marta Pucciarelli*, Università della Svizzera italiana (USI), New Media in Education Laboratory; Sara Vannini, University of Washington, Technology and Social Change Group (TASCHA); Lorenzo Cantoni, Università della Svizzera italiana (USI), *The production of an African hybrid city.*

11:00 Xiaowei Wang*, LARO, *Unequal publics: Open geographic data, development and community access in Ulaanbaatar, Mongolia.*

11:20 Kurt Iveson*, University of Sydney, *The politics of public space in networked cities: the 'digital information overlay' as an emerging terrain of struggle.*

4250. **Infrastructural engagements and urban re-imaginings in the global South 2 (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, Development Geographies Specialty Group)**

Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Matthew Birkinshaw, London School of Economics; Niranjana Ramesh, University College London

CHAIR(S): Niranjana Ramesh, University College London

Introducer: Niranjana Ramesh

10:10 Astrid Wood*, University College London, *Rethinking infrastructural repetition in Southern urbanism: policy movement and methods of persuasion.*

10:25 Ryan Christopher Sequeira*, National Institute of Urban Affairs, New Delhi; Thomas Oommen, Sushant School of Art and Architecture, Gurgaon, *The Politics of Infrastructural Aesthetics: A case of Delhi's BRT and Metro.*

10:40 Emma Louise Colven*, UCLA, *Jakarta's "Great Garuda Sea Wall" Project: Urban and Environmental Imaginaries and the Politics of Flood Mitigation Infrastructure.*

10:55 Matthew Birkinshaw*, London School of Economics, *Save Water, Save Life: Rethinking Water in 'Clean, Green Delhi'.*

11:10 DE BERCEGOL Rémi*, Technical University of Darmstadt; Jochen Monstadt*, Darmstadt University of Technology, *"When the lights go down in the city. Challenges of networked energy systems in informal and low-income settlements of Nairobi".*

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Discussant(s): Malini Ranganathan, American University

- 4251. Intersectional Research on Gender & the Environment: Theory, Methods, and Practice (2) (Sponsored by Qualitative Research Specialty Group, Geographic Perspectives on Women Specialty Group, Development Geographies Specialty Group)**

Room: Mason A, Hilton Hotel, 6th Floor (Panel Session)

ORGANIZER(S): Emily Billo, Goucher College; Stephanie Buechler, University of Arizona - Geography & Regional Development; Monica V. Ogra, Gettysburg College

CHAIR(S): Stephanie Buechler, University of Arizona - Geography & Regional Development

Introducer: Stephanie Buechler

Panelists: Ellen Kohl, Texas A&M University; Sheila Navalia Onzere, Clark University; Monica V. Ogra, Gettysburg College; Anne-Marie Hanson, University of Illinois - Springfield; Maria Rodo-De-Zarate; Ann Oberhauser, Iowa State University

- 4252. Imagining the future of animal farming: Natureculture and technosciences 2 (Sponsored by Animal Geography Specialty Group)**

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Mara Miele, Cardiff University; Karolina Rucinska, Cardiff University

CHAIR(S): Karolina Rucinska, Cardiff University

10:00 Natalie Hannah Porter*, University of Notre Dame - Notre Dame, IN, *Global Health Experimentation and the Articulation of Life on a Vietnamese Poultry Farm.*

10:20 Scout Calvert, PhD*, UCLA Library Digital Initiatives & Information Technology, *Bovines in the Integrated Circuit: When Farm Animals Tweet.*

10:40 Mara Miele*, Cardiff University; Karolina Rucinska*, Cardiff University, *Greening the animal: the case of the enviropig.*

11:00 Erik Jönsson*, Lund University; Tobias Linné, Lund University, *Many meats, many milks, many mayos? The proliferation and closing down of ontologies.*

Discussant(s): Henry Buller

- 4253. Geographies of Media XV: Media, governmentality, and managing the 'more than human' environment (3) (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)**

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): J Jesse Minor, University of Arizona; Joseph Palis, University of the Philippines-Diliman

CHAIR(S): J Jesse Minor, University of Arizona

10:00 Taveeshi Singh*, Syracuse University, *Community Media Films as a Delivery Mechanism for Development: A Case Study in Madhya Pradesh.*

10:20 Raffaella Coletti*, *State, Politics and Tv Series.*

10:40 Ashley Crowson*, King's College London, *Journalistic Constructions of our Globe, Global Space and Global Politics: Considering the Geographies of Media Production Culture and Practice.*

11:00 Robert Imre, PhD*, The University of Tampere, *Contemporary Media Architecture and Political Violence: Radicalization and the State.*

Discussant(s): Marcia R. England, Miami University

- 4254. Natural Disasters and Natural Hazards in China II (Sponsored by China Specialty Group)**

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Bo Xu, California State University, San Bernardino

10:00 Chunlan Li*, East China Normal University; Jun Wang, East China Normal University, *Scenario-based hazard analysis of extreme high temperature experienced*

during 1959-2014, in Hulunbuir, China.

10:20 Huijuan Zhao*; Jian Peng, *Landscape ecological security pattern construction based on the important ecological processes.*

10:40 Bo Xu*, California State University San Bernardino, *A Geospatial information quantity model for regional landslide risk assessment.*

- 4255. New geographies and spatialities of war and political violence II (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Steven M. Radil, University of Idaho; Olivier J. Walther, Rutgers University - Newark; Andrew Martin Linke, University of Utah

CHAIR(S): Jamon Van Den Hoek, Oregon State University

10:00 Olivier J. Walther*, Rutgers University and University of Southern Denmark; Christian Leuprecht, Queen's University; David Skillicorn, Queen's University, *Hezbollah's Global Tentacles: The Resilience of Transnational Criminal Networks.*

10:20 Caitriona Dowd*, University of Sussex, *The Transnational Nature of Islamist Violence in Africa.*

10:40 Michael Findley, University of Texas at Austin; Daniel Strandow, Uppsala University, Sweden; Ran Tao*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte; James Walsh, University of North Carolina at Charlotte, *Computing Controlled Territories Based on Violent Events and Ancillary Databases.*

11:00 Aaron T. Wolf*, Oregon State University, *Transboundary Water Diplomacy and Scale - Lessons from Around the World.*

Discussant(s): Jamon Van Den Hoek, Oregon State University

- 4256. Scholar-Activists/Activist-Scholars: Cultivating an Ongoing Community of Food Justice Practice 2: Perspectives from the Field (Sponsored by Geographies of Food and Agriculture Specialty Group)**

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University; Kristin Reynolds, The New School

CHAIR(S): Kristin Reynolds, The New School

10:00 Virginie Lavallée-Picard*, Wind Whipped Farm; Julia Laforge, University of Manitoba, *Building Scholar/Activist Networks: Collaborative research in the new farmer movement in Canada.*

10:20 Rebecca Croog*, Temple University, *Youth-led Sustainability Mobilization in the Inner City Urban Context: Toward a "Regenerative" Just Sustainabilities.*

10:40 Evan Weissman*, Syracuse University, *Food Justice and Contradictions in Activist-Scholarship.*

Discussant(s): Joshua Shicca, Colorado State University

- 4257. Disability Geography 2: The Social Production of Disability (Sponsored by Rural Geography Specialty Group, Graduate Student Affinity Group, Health and Medical Geography Specialty Group, Disability Specialty Group)**

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Sandy Wong, University of Illinois at Urbana-Champaign; Jessica Finlay, University of Minnesota

CHAIR(S): Sandy Wong, University of Illinois at Urbana-Champaign

10:00 Max Counter*, University of Colorado-Boulder, *Disabling Dispossession: Landmines and Displacement in Colombia.*

10:20 Szabolcs Fabula*, University of Szeged; Judit Timár, Centre for Economic and Regional Studies Hungarian Academy of Sciences, *The role of rurality in the production of disability - experiences from Eastern*

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- Hungary.*
- 10:40** Clayton Rosati*, Bowling Green State University, *"Internet Gaming Addiction": Pathological Landscape and Contemptible Materialisms.*
- 11:00** Jessica Halpern-Finnerty*, University of California - Davis; Nina Ebner*, *Working conditions in Arkansas' poultry processing industry.*
- 11:20** Joseph Hewitt*, University of Nottingham, *Financial Inclusion and Disability: Exploring access to microfinance for people with physical disabilities in Kampala, Uganda..*
- 4258. Fire knowledge, practices and policies in Latin America 2 (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)**
- Room:* Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): Angela May Steward, Centro de Desenvolvimento Sustentável - Universidade de Brasília; Ludivine Eloy Costa Pereira, CDS-UNB
- CHAIR(S): Ludivine Eloy Costa Pereira, CDS-UNB
- Introducer: Ludivine Eloy Costa Pereira
- 10:05** Emilie Coudel, PhD*, CIRAD, UR Green, Montpellier, France & Embrapa, Belem, Brazil & CDS/UNB, Brasilia, Brazil; Pierre Bommel, PhD, CIRAD, UR Green, Montpellier, France & Universidad de Costa Rica, CIEDA, San José, Costa Rica; François Bonté, MD, La Compagnie Plante un regard; Federico Cammelli, MD, Norwegian University of Life Sciences, Ås, Norway; Joice Nunes Ferreira, PhD, Embrapa Amazônia Oriental, Belem, Brazil; Livia Navegantes Alves, PhD, NCADR/UFPA, Belem, Brazil; Marie-Gabrielle Piketty, PhD, CIRAD, UR Green, Montpellier, France, *How to overcome the taboo regarding fire use and control? Participatory methodologies to reveal farmer motivations and discuss fire policies in the Eastern Brazilian Amazon.*
- 10:25** Rachel Carmenta*, CIFOR; Jos Barlow, Lancaster Environment Center; Luke Parry, Lancaster Environment Center, *From remote sensing to ethnography: insights into the policy and practice of fire management in Pará, Brazil..*
- 10:45** Angela May Steward*, Centro de Desenvolvimento Sustentável - Universidade de Brasília; Luiza Câmpora, Programa de Pós-Graduação em Antropologia, Universidade Federal do Amazonas, *Fire use and practices within realm of REDD+ projects in Central Amazonia: Examining potential impacts of restrictive policies.*
- 11:05** Cerian Gibbes*, University of Colorado at Colorado Springs; Dolores Armenteras, Laboratorio de Ecología del Paisaje y Modelación de Ecosistemas ECOLMOD, Departamento de Biología, Universidad Nacional de Colombia; Carla Vivacqua, Department of Statistics, Federal University of Rio Grande do Norte; Juan Sebastián Espinosa, Laboratorio de Ecología del Paisaje y Modelación de Ecosistemas ECOLMOD, Departamento de Biología, Universidad Nacional de Colombia; Wania Duleba, School of Arts, Sciences and Humanities, University of São Paulo; Fabio Goncalves, Departamento de Ciências Atmosféricas do Instituto de Astronomia, Geofísica e Ciências Atmosféricas; Christopher Castro, Department of Atmospheric Sciences, University of Arizona, *A National Scale Assessment of Fire and Land Use in El Salvador.*
- Discussant(s): Susanna Hecht, University of California Los Angeles
- 4259. Degradation and Greening in Dry Lands - Two Sides of the Same Coin? 2 (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)**
- Room:* Lombard Room, Hilton Hotel, 6th Floor (Panel Session)
- ORGANIZER(S): Cyrus Samimi, University of Bayreuth; Kim André Vanselow
- CHAIR(S): Kim André Vanselow
- Introducer: Kim André Vanselow
- Panelists: Cyrus Samimi, University of Bayreuth; Narcisa Pricope, University of North Carolina Wilmington; Kelley A. Crews, University of Texas - Austin; Matthew Turner, University of Wisconsin-Madison
- 4260. Sustainable Urban Form and GeoDesign: Pathways for Healthy and Resilient Cities II (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)**
- Room:* VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
- ORGANIZER(S): John Connors, Boston University; Christopher Galletti, Dartmouth College; Darren Ruddell, University of Southern California
- CHAIR(S): Christopher Galletti, Dartmouth College
- 10:00** Christopher Galletti*, Dartmouth College, *Neighborhood Scale Analysis of Sustainable Urban Forms.*
- 10:20** Xiaoxiao Li*, ASU; Wenwen Li, Arizona State University; Anthony Brazel, Arizona State University; Ariane Middel, Arizona State University; Sharon Harlan, Arizona State University; Billie Turner, Arizona State University, *The combined impact of land architecture and socio-economic factors on surface urban heat island effects in Phoenix, Arizona.*
- 10:40** Yulun Zhou*, The Chinese University of Hong Kong, *A Morphological Indicator for Air Ventilation Assessment in an Urban Canopy.*
- 11:00** Laure Cazeaux*, Université de Cergy-Pontoise; Dann Goncalves, *Minimizing the visual impact of new buildings in a protected area: the challenges of coupling GIS and landscape studies for sustainable planning policies.*
- 11:20** Jordan Paul Smith*, Arizona State University; Xiaoxiao Li, PhD, Arizona State University; Billie L Turner, II, PhD, Arizona State University, *Urban vacant land identification from high resolution remote sensing imagery.*
- 4261. Physical Geography Poster Session**
- Posters for this session can be found on pages 312-317.
- Room:* Grand Ballroom A/B, Hilton Hotel, Grand Ballroom Level (Poster Session)
- This session is a continuation of the previous timeslot, 4161.
- 4262. Air quality and spatial distribution (Sponsored by International Geography, GIScience, and Urban Health Theme)**
- Room:* Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
- ORGANIZER(S): Geography and Urban Health
- CHAIR(S): Paul A. Peters, University of New Brunswick
- 10:00** Elisabeth Levac, PhD*, Bishop's University; Lourdes Zubieta, PhD, Bishop's University; Cynthia Sherrer, Bishop's University; Vincent Anderson, Bishop's University; Amy Gibbons, Bishop's University, *The relationship between airborne pollen and emergency visits in Sherbrooke, Qc. Canada between 2007 and 2009.*
- 10:20** Meenakshi Rao*, Portland State University; Vivek Shandas, Portland State University; Linda A. George, Portland State University, *Assessing the role of urban land use factors on NO2 exposure and mitigation: A case study of the Portland-Vancouver metropolitan region..*
- 10:40** Paul A. Peters*, University of New Brunswick, *Industrial Emissions, Mortality, and Social Justice in Urban Canada.*
- 11:00** Zoe Chafe*, University of California, Berkeley, *Global health impacts of household heating with wood and coal.*

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- 4263. Health challenges in developing regions (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Mendocino II, Hotel Nikko, 2nd Floor* (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Emmanuel Abeashi Mensah, University of Cape Coast
- 10:00** Boyowa Anthony Chokor*, University of Benin; Francis O Odemerho, Dr., Southern Illinois University, Edwardsville, *Environmental Health Challenges of Reversed Pyramidal Pattern of Urban Development and Planning in Developing Countries: The Case of Nigeria.*
- 10:20** Anne Thebo*, University of California - Berkeley; Madhu Reddy, SDM College of Engineering, Dharwad; Kara Nelson, University of California-Berkeley, *Spatial heterogeneity in health risks associated with the de facto reuse of wastewater in irrigated agriculture: A case study from southern India.*
- 10:40** Eloho E. Basikoro*, University of Washington; Eloho Basikoro, University of Washington, *Dying First: "Place"-ing Women's Unsustained Access to AIDS Treatment in the Context of Patriarchal Care Relations and Social Geographies of the Niger Delta.*
- 11:00** Emmanuel Abeashi Mensah*, University of Cape Coast, *Accessibility To Emergency Health Care In The Cape Coast Metropolis Of Ghana..*
- 4264. Gender, Sexuality, and Religion**
Room: *Nikko Ballroom I, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Omar Aschari Abdullah Pidani, The Australian National University
- 10:00** Chad F. Emmett*, Brigham Young University, *Confronting Culture: Christian responses to FGM in Indonesia and Africa.*
- 10:20** Sandra Wallenius-Korkalo, Junior Researcher*, University of Lapland, *Bodies & Orders: Politics of Belonging in Representations of a Christian Religious Movement.*
- 10:40** Michael Chohaney*, University of Toledo; Kim Panozzo, University of Toledo, *Put your money where your mouse is: An extracurricular foray into the geography of infidelity using the leaked Ashley Madison user data.*
- 11:00** Andrea S. Rivera Vilches*, University of Puerto Rico, Río Piedras Campus; Pedro Gabriel Nieves Acevedo*, University of Puerto Rico, Río Piedras Campus; Gabriel Dávila Ceinos, University of Puerto Rico, Río Piedras Campus; Anna Meléndez Cuevas, University of Puerto Rico, Río Piedras Campus, *Geographical Notes on LGBTQ Community and Prostitution Services in the Metropolitan Area of Puerto Rico.*
- 11:20** Omar Aschari Abdullah Pidani, Mr*, The Australian National University; FitriLailah Mokui, Mrs, Australian National University; Usman Rianse, Prof, Haluoleo University Indonesia; WaKuasa Baka, Mrs, Haluoleo University Indonesia, *Cross-Regional Health Impacts of Gold Rush and Mining in Bombana District, Southeast Sulawesi Province, Indonesia..*
- 4265. Unpacking the Generationed City**
Room: *Nikko Ballroom II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Nicholas Revington, University of Waterloo
 CHAIR(S): Nicholas Revington, University of Waterloo
- 10:00** Nicholas Revington*, University of Waterloo; Khairunnabila Prayitno, University of Waterloo; Markus Moos, University of Waterloo, *Beyond housing: Concurrent pathways in young adults' lives.*
- 10:20** Brian Ray*, University of Ottawa; Valerie Preston, York University, *Second generation labor market outcomes: why do 'race' and gender still make such a difference in Toronto?.*
- 10:40** Richard Ronald*, University of Amsterdam; Oana Druta, University of Amsterdam, The Netherlands, *From Japan's 'Lost Generation' to 'Generation Rent': Emerging Housing Careers and Life Courses in Urban Japan.*
- 11:00** Cody Hochstenbach*, University of Amsterdam, *Inequalities transmitted across generations and space: a changing and unequal geography of leaving home.*
- 11:20** Sarah L. Mawhorter, MPL*, University of Southern California, *Changing Housing Opportunities for Young People in Los Angeles Neighborhoods.*
- 4266. Islamic Identities**
Room: *Nikko Ballroom III, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Necati Anaz, Turkish National Police Academy
- 10:00** Matthias Gebauer*, University of Mainz, *'Black Islam' South Africa? Conversion and contested belongings in an unsettled society..*
- 10:20** William Coughlin*, Penn State, *Understanding and Analyzing the Factors that Contribute to the Spread of ISIS in Iraq.*
- 10:40** Tina Shepardson*, University of Tennessee, Knoxville, *From Early Christianity to ISIS: Putting Religion on the Map.*
- 11:00** Necati Anaz*, Turkish National Police Academy, *Turkish Foreign Terrorist Fighters and a New Kind of Radicalization: A Case Study of Central Anatolia.*
- 4270. Neighborhoods and urban health (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Madeleine E G Parker, NYC Dept of Housing Preservation and Development
- 10:00** Jens Kandt*, University College London, *The social and spatial context of urban health: towards an interpretive geodemographic framework.*
- 10:20** Yingqi Guo*; Shu-Sen Chang; Chee Hon Chan; Paul Siu Fai Yip, *Do Neighborhood Characteristics Affect Differences in Body Mass Index? A multilevel Analysis in Hong Kong.*
- 10:40** Madeleine E G Parker*, NYC Department of Housing Preservation and Development; Ahuva Jacobowitz, NYC Department of Housing Preservation and Development; Po-Ju Tuan, NYC Department of Housing Preservation and Development, *Understanding neighborhood effects: An analysis of self-defined neighborhoods in New York City.*
- 11:00** Heather Wilson*, University of Toronto - Mississauga, *Examining University Student Perceptions of Neighbourhood Liveable Design Features.*
- 11:20** Malte Von Szombathely*, University of Hamburg, *Spatial and social differentiation of urban health in Hamburg.*
- 4272. Urban mobility and Resident Issues**
Room: *Bay View Room, Hotel Nikko, 25th Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kolawole T. Gbadamosi, Centre for transport Studies Olabisi Onabanjo university
- 10:00** Caitlin Waickman*, NYC Department of Housing Preservation and Development; Paulina Marek, NYC Department of Housing Preservation and Development; Ahuva Jacobowitz, NYC Department of Housing Preservation and Development, *Changing Household Membership as Residential Mobility.*
- 10:20** Anja Jørgensen, Associate Professor*, Aalborg University; Mia Arp Fallov, Associate Professor, Aalborg University, Denmark, *Mobile forms of Belonging.*
- 10:40** Tom Erik Julsrud, Institute of Transport Economics; Petter Christiansen*, Institute of Transport Economics; Jon Marting Denstadli, Sør-Trøndelag University College,

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Commuting time- an emerging threat to work-family balance?

11:00 Kolawole T. Gbadamosi*, Department of Transport Management Technology, Federal University of Tech. Akure, *Modernizing And Developing A Functional Electronic Platform For Vehicle Registration And Drivers' Licensing In Nigeria.*

4273. Theorising Development in Turbulent Times 2

Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)

ORGANIZER(S): Jamey Essex, University of Windsor; Susan M. Roberts, University Of Kentucky; Emma Mawdsley, University of Cambridge

CHAIR(S): Jamey Essex, University of Windsor

10:00 Ruben Gonzalez-Vicente*, City University of Hong Kong, *Modernization through a Chinese prism: National development and the 'public good' in a global era..*

10:20 Liam Michael O'Brien*, University of St Andrews, *Negotiating African Development Through the Chinese Imaginary: Making 'Space' for Chinese Assistance.*

10:40 Henry Wai-chung Yeung*, National University of Singapore, *The political economy of the East Asian developmental state: controversies and critiques.*

Discussant(s): Susan M. Roberts, University Of Kentucky

4274. Session Four. Beyond Neoliberal Natures -- The Reworking of Payments for Ecosystem Services (PES) on the Ground 4: Land and Labor (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Pamela D. McElwee, Rutgers; Gert Themba Van Hecken, Institute of Development Policy and Management (IOB); Bernard Huber, McGill University

CHAIR(S): Elizabeth N. Shapiro-Garza, Duke University

10:00 Audrey Joslin, PhD*, Texas A & M University, *"It's like proving the existence of God": Determining Outcomes of Water Fund PES in Ecuador.*

10:20 David Lansing*, University of Maryland - Baltimore County, *Smallholder legibility and viability: access to PES and its ecological outcomes.*

10:40 Pamela D. McElwee, Ph.D.*, Rutgers, The State University of New Jersey, *The Impact of Land and Labor Inputs in Outcomes of PES Participation in Vietnam.*

11:00 Jonas Ibrahim Hein*, German Development Institute; Heiko Faust, University of Goettingen, *Unraveling property and power relations as factors filtering the ability of actors to benefit from REDD+ - a case study from Jambi, Indonesia.*

Discussant(s): Arthur Gill Green, University of British Columbia

4275. Narrating displacement: Lived experiences of social and spatial exclusion #2

Room: Paris North, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Emil Pull, Malmö University; Jacob Lind, Malmö University; Ioanna Tsoni, Malmö University

CHAIR(S): Ioanna Tsoni, Malmö University

10:00 Stefano Portelli*, Università di Roma, *The horizontal city: Relocation and resistance in two peripheries of Southern Europe.*

10:20 Susanne Kubiak*, ILS Research Institute for Regional and Urban Development, *Exclusion by Integration? About the Significance of (Spatial) Exclusion and Inclusion in Narratives of Urban Integration Policy Networks in the City of Dortmund/ Germany.*

10:40 Stuart C. Aitken*, San Diego State University; Jasmine Arpagian, San Diego State University, *Dystopian Spaces and Citizenship Rights: The Case of Urban Roma Youth in Slovenia and Romania.*

11:00 Jessie Hanna Clark*, University of Nevada, *A "split life": Development, urban exclusion, and Kurdish youth.*

4276. Capitalism, Nationalism, Development II: Thinking alongside Gillian Hart

Room: Paris South, Marker Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Sharad Chari, University of the Witwatersrand; Mark Hunter, University of Toronto; Melanie Samson, University of the Witwatersrand

CHAIR(S): Melanie Samson, University of the Witwatersrand

Discussant(s): Gillian Hart, University of California, Berkeley

Panelists: Sharad Chari, University of the Witwatersrand; Erin Collins, American University; Jennifer Greenburg, University of California Berkeley; Miri Lavi-Neeman, UC Berkeley; Erin Marie Torkelson, University of California Berkeley; Ilaria Giglioli, University of California-Berkeley

4277. Exploring Roger Byrne's Legacy II: Paleoclimate Reconstructions from Lakes and Wetlands (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Michelle Goman, Sonoma State University; Maria Caffrey, University of Colorado Boulder; Tripti Bhattacharya, University of California, Berkeley

CHAIR(S): David B. Wahl, United States Geological Survey

10:00 Donald G. Sullivan*, University Of Denver; Ian Slayton, University of Denver, *Fluctuations in Holocene Effective Moisture and Carbon Sequestration: Humification Data From Some Colorado Fens.*

10:20 Scott Starratt*, United States Geological Survey, *Regional Variations in Holocene Precipitation Across the Western United States.*

10:40 Jungjae Park*, Seoul National University; Young Ho Shin, Seoul National University, *Solar and ENSO Influence on East Asia during the Mid- and Late Holocene.*

11:00 Michelle Goman*, Sonoma State University; Arthur Joyce, Department of Anthropology, University of Colorado at Boulder; Steve Lund, Department of Earth Sciences, University of Southern California, *Assessing Mesoamerican Environmental and Cultural Changes using the record from Laguna Minucua, Oaxaca.*

11:20 Matthew T. Kerr*, The University of Tennessee; Sally P. Horn, The University of Tennessee; Chad S. Lane, University of North Carolina Wilmington, *Precipitation Variability Over the Past 2500 Years at Laguna Bonillita, Costa Rica.*

4278. Human Impacts on Watershed Processes II Ecological Processes (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

10:00 Adriana E. Martinez*, Southern Illinois University Edwardsville, *Sensitivity of Modeled Channel Hydraulic Variables to Invasive and Native Riparian Vegetation.*

10:20 Joanna P. Solins*, University of California, Davis; Mary L. Cadenasso, Ph.D., University of California, Davis, *Linking urbanization to riparian vegetation change along headwater streams in Sacramento, California.*

10:40 Jennifer Braswell Alford, PhD*, Elon University, *Exploring the Spatio-Temporal Relationships between LULC and Water Quality across the Cape Fear River Basin, North Carolina.*

11:00 Eric Berntsen*, Kalispel Natural Resources Department, *A Watershed Process-Based Approach to Protecting and Restoring Native Trout Populations on Kalispel Aboriginal Lands.*

11:20 Shixiong Hu*, Dept. of Geography, East Stroudsburg University of PA; Mengya Jia, Dept. of Geography,

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East Stroudsburg University of PA; Yuannan Long, School of Hydraulic Engineering, Changsha University of Science and Technology, China, *Monitoring stream water temperature in Brodhead Watershed, NE PA.*

4279. Queering code/space: difference, disorientation, and the digital (Sponsored by Cultural Geography Specialty Group, Sexuality and Space Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Daniel G. Cockayne, University of Kentucky; Lizzie Richardson, University of Cambridge
 CHAIR(S): Daniel G. Cockayne, University of Kentucky
 10:00 Agnieszka Leszczynski*, University of Auckland; Agnieszka Leszczynski, PhD, University of Auckland, *Bodies in spatial big data flows.*
 10:20 Carl Anthony Bonner-Thompson*, Newcastle University, *'No camp, no fem': exploring masculinities, sexualities and embodiment across Grindr.*
 10:40 Olu Jenzen*, University of Brighton UK, *Trans* and (Gender) Queer Youth and Online Digital Culture.*
 11:00 Samuel Miles*, Queen Mary University of London, *Navigating boundaries: Everyday life for queer men using locative hook-up apps in London, England.*
 Discussant(s): Jen Jack Gieseck, Trinity College

4280. Valuing Place Names: Economies of Toponymies (Sponsored by Cultural Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Terry Simmons, Centre for Global Policy Studies
 10:00 Sungjae Choo*, Kyung Hee University; Heesu Kim, Kyung Hee University, *The economic value of place names (I): research issues and framework.*
 10:20 Heesu Kim*, Kyung Hee University; Sungjae Choo, Kyung Hee University, *The economic value of place names (II): measuring brand equity of 'Gwanghwamun' and 'Gangnam' in Seoul.*
 10:40 Sho Takenaka, M.Eng., City of Sapporo; Kaori ITO, Ph.D.*, Department of Architecture, Tokyo University of Science; Yukari Niwa, Ph.D., Tokyo University of Science, *Spatial Distributions of People's Recognition of Place Names.*
 11:00 Daniel Reeves*, Charles University; Sam Otterstrom, Brigham Young University, *Christian place names in Czechia, Poland and Slovakia.*
 11:20 Terry Simmons, Ph.D., J.D.*, Centre for Global Policy Studies, *Legislating Politically Correct Place Names.*

4281. Agricultural Networks, Agricultural Policy: A Promising Interface for Agricultural Change? (Sponsored by Cultural and Political Ecology Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Catherine Day, UW-Madison; Liz Carlisle, UC Berkeley
 CHAIR(S): Liz Carlisle, UC Berkeley
 Panelists: Jill Guerra, The University of British Columbia; Sean Gillon, Marylhurst University; Liz Carlisle, UC Berkeley; Catherine Day, UW-Madison

4282. Urban and Regional Planning

Room: Beijing, Marker Hotel, 2nd Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Han Cao, Shaanxi Normal University
 10:00 Jiaming Li*; Jianhui Yu, *Industrial Spatial Agglomeration Using Distance-based Approach in Beijing, China.*
 10:05 BIN GAO*, Yanbian University; Lanchih Po, Associate Professor, University of California, Berkeley, *The development of industrial clusters on China's frontier: on the Yanji High-tech Development Zone in Jilin,*

China.

- 10:10 Lin Mei*; Desheng Xue; Fang Lyu, *Interaction between transnational institutions and the city: the case of Bonn and Guangzhou.*
 10:15 Limin Jiao*, School of Resource and Environment Science, Wuhan University, *The Quantitative Methods for Multilevel Analysis of Urban Sprawl.*
 10:20 Eduard Montesinos*, University of Barcelona, *In search of a critical view of creative cities: taking some insights from Walter Benjamin. A work in progress..*
 10:25 Olga Shevchenko, Dr.*, NISS, *Model estimating limits of urbanization.*
 10:30 Christopher Klemek*, George Washington University, *Capital Dilemmas: Wrestling for City and Regional Sovereignty in Washington and Paris.*
 10:35 Bara Safarova*, Texas A&M; Lauren Simic, Texas A&M University, *Using GIS to identify Informal Homestead Subdivisions in extraterritorial jurisdiction of four largest metropolitan areas in Texas.*
 10:40 Wayne M. Beggs*, University of Texas - Arlington, *Harnessing Gentrification.*
 10:45 Saba Golchehr*, Royal College of Art, *Smart City, Democratic City? A Data-Driven Approach For Reducing Inequality In Urban Decision-Making.*
 10:50 Han Cao*, Shaanxi Normal University; Han Cao, Department of Computer Science, Shaanxi Normal University, *A multi-time scale RNN-RBM forecasting method for tourism flow.*
 10:55 Kristin M Miller*, UC Santa Cruz, *The Battle of the Buses: Tech, Transportation, and Gentrification in the SF Bay.*
 11:00 Wook Lee*, Edinboro University of PA, *Cultural implications of non-commuting trips.*
 11:05 Jesse Williamson*, University of California - Berkeley, *Material flows and Social Relations in SF Bay Area Urban Agriculture.*
 11:10 Daniel Schleith*, University of Cincinnati; Nate Wessel, University of Toronto, *Assessing the impact of real-time transit arrival information in Cincinnati, Ohio.*
 11:15 Charlynn Burd*, U.S. Census Bureau; Peter Mateyka, U.S. Census Bureau, *Are young adults more likely to move to cities than suburbs? It's complicated..*

4283. The Agency of Place II (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Soren Larsen, University of Missouri; Jay T. Johnson, University of Kansas
 CHAIR(S): Jay T. Johnson, University of Kansas
 10:00 Michael Adams*, University of Wollongong, *Grace: freedivers and the blue planet.*
 10:20 Julianne A. Hazlewood, PhD*, The Cultural Conservancy, *Pushing the Boundaries of Place-based Paradigms: Ancestral Peoples' and Nature's Rights in Pacific Rainforest Margins.*
 10:40 Vladimir Mikadze*, School of Architecture (Urban Design), McGill University, *Guerrilla Gardening in Montréal, Canada: The Agency and Territoriality of an Ephemeral Place and Implications for Flexible Urban Environment.*
 Discussant(s): Soren Larsen, University of Missouri

4284. Urban Climate and Sustainability (Sponsored by Regional Development and Planning Specialty Group, Climate Specialty Group)

Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Chandana Mitra, Auburn University; Austin Bush, Auburn University
 CHAIR(S): Anthony J. Brazel, arizona state university
 10:00 Anthony J. Brazel*, arizona state university; Ariane Middel, Dr, Arizona State University, *Evaluation of an urban network (AZMET) in the Phoenix metro area.*

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10:20 Winston T.L. Chow*, National University of Singapore; Jinjia Lee, National University of Singapore, *Spatial variations in urban thermal comfort and its influence on sporting performance in a tropical city.*

10:40 Andrew J Oliphant*, San Francisco State University; Siobhan Lavendar, San Francisco State University; Ryan Thorp, San Francisco State University, *Micrometeorological observations of an extensive living roof in San Francisco, California.*

11:00 Christa Meier*, Dept. of Geography & Environment, San Francisco State University; Andrew Oliphant, Dept. of Geography & Environment, San Francisco State University; Ryan Thorp, Dept. of Earth & Climate Sciences, San Francisco State University, *Ecosystem carbon exchanges on a living roof in San Francisco, CA.*

11:20 Chandana Mitra, PhD*, Auburn University; Austin Bush, Auburn University, *Urban Sustainability Map - a innovative experiment with geospatial techniques.*

4285. Did we accomplish the revolution in geographic thought? (Sponsored by Socialist and Critical Geography Specialty Group, History of Geography Specialty Group)

Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Panel Session)

ORGANIZER(S): Joaquin Villanueva, Gustavus Adolphus College

CHAIR(S): Joaquin Villanueva, Gustavus Adolphus College
Introducer: Joaquin Villanueva

Panelists: Matthew G. Hannah, Universität Bayreuth; Simon Springer, University of Victoria; Jenny Pickerill, University of Sheffield; Don Mitchell, Syracuse University; George L. Henderson, University Of Minnesota; Robert B. Ross, Point Park University

4286. Commoning as a Postcapitalist Politics 2: The Urban Context (Sponsored by Economic Geography Specialty Group)

Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Jenny Cameron, University of Newcastle; Katherine Gibson, University of Western Sydney

CHAIR(S): Katherine Gibson, University of Western Sydney

10:00 Nathaniel Gabriel*, Rutgers University, *Greenspace, Commons and the Environmentalization of the City.*

10:20 Kiyumi Brocius*, California State University - Northridge, *What happens after the garden ends? A Study of the evolution of South Central Farm in Los Angeles.*

10:40 Luke Drake, PhD*, California State University, Northridge, *Community and economy meet in the garden: Rethinking community gardens as sites of production through anti-essentialist class analysis.*

11:00 Gradon Diprose*, Open Polytechnic, *Commoning human labour.*

11:20 Amanda Huron, Dr.*, University of the District of Columbia, *Commoning within and between capitalist practices.*

4287. Working Mobilities 2: Re/productive spaces, processes and identities (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Emily Reid-Musson, University of Toronto; Crystal Melville, York University

CHAIR(S): Emily Reid-Musson, University of Toronto
Introducer: Emily Reid-Musson

10:05 Crystal Melville*, York University, *The Future It's in Your Hands": Locating youth labour futures on the TTC University Subway.*

10:25 Sean Markey, Dr.*, Simon Fraser University; Kristina Welch, Simon Fraser University; Laura Ryser, University of Northern British Columbia; Greg Halseth, University of Northern British Columbia, *A Preference for Imobility: Promoting Place in Rural*

Resource Regions.

10:45 Katie Mazer*, University of Toronto, *Just-in-time work in the neo-staples era.*

11:05 Sara Dorow*, University of Alberta, *The Uneven Work of Mobility: Commuting as Oil Worker 'Alternator'.*

Discussant(s): Suzanne Mills, McMaster University

4288. Challenges and Opportunities in Field School Teaching and Learning (Sponsored by Asian Geography Specialty Group, Geography Education Specialty Group)

Room: Salon III, JW Marriott Hotel, 2nd Floor (Panel Session)

ORGANIZER(S): Cameron Owens, University of Victoria; Aaron James Williams, University of Calgary

CHAIR(S): Byron Miller, University of Calgary

Panelists: Aaron James Williams, University of Calgary; Mryka Hall-Beyer; Kirsten Sadeghi-Yekta, University of Victoria; Sanjay K. Nepal, University of Waterloo; Joe Pavelka, Mount Royal University; Elizabeth Vibert, University of Victoria; Heather E. Castleden, Queen's University

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- 4301. AAG Membership Survey - Featured Session**
Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 Chair and Introduction: **Sarah Witham Bednarz**, AAG President, Texas A&M University
 Panelists:
Sarah Witham Bednarz, AAG President, Texas A&M University
Julie Winkler, Michigan State University
Mona Domosh, AAG Past President, Dartmouth College
Yonette Thomas, American Association of Geographers
 Discussant: **Ed Ferguson**, American Association of Geographers
- 4306. Water Resources Specialty Group Business Meeting (Sponsored by Water Resources Specialty Group)**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Meeting Session)
- 4307. Disability Specialty Group Business Meeting (Sponsored by Disability Specialty Group)**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Meeting Session)
- 4310. Mapathon: Health and Infectious Disease (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
11:50 Carrie Stokes, USAID
- 4316. Symposium on Physical Geography: Challenges of the “Anthropocene” VI: Plenary Synthesis Session on Researching and Teaching the “Anthropocene” (Sponsored by Cryosphere Specialty Group, Polar Geography Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group, Physical Geography: Challenges of the ?Anthropocene? Featured Theme, Mountain Geography Specialty Group)**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Anne Chin, University of Colorado Denver; Timothy Beach, University of Texas at Austin; Carol P. Harden, University of Tennessee
 CHAIR(S): Carol P. Harden, University of Tennessee
 Introducer: Glen M. MacDonald
12:00 Kenneth R. Young*, University of Texas at Austin, *Researching and Teaching the “Anthropocene”*.
 Discussant(s): Jonathan M. Harbor, Purdue University; Sally P. Horn, University Of Tennessee; Robin M. Leichenko, Rutgers University; Catherine Souch, Royal Geographical Society (with IBG)
- 4325. Transportation Geography Specialty Group Business Meeting (Sponsored by Transportation Geography Specialty Group)**
Room: Imperial B, Hilton Hotel, Ballroom Level (Meeting Session)
- 4337. Geography Education Specialty Group Business Meeting (Sponsored by Geography Education Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Meeting Session)
- 4341. Asian Geography Specialty Group Business Meeting (Sponsored by Asian Geography Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Meeting Session)
- 4346. Rural Geography Specialty Group Business Meeting (Sponsored by Rural Geography Specialty Group)**
Room: Union Square 19, Hilton Hotel, 4th Floor (Meeting Session)
- 4365. Animal Geography Specialty Group Business Meeting (Sponsored by Africa Specialty Group)**
Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Meeting Session)

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Poster Sessions for Friday are located on pages 312-317.

- 4402. A Research Coordination Network for Transformative Research in Geography Education (Sponsored by Geography Faculty Development Alliance (GFDA))**
Room: Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Michael N. Solem, American Association of Geographers; Richard G. Boehm, Texas State University
 CHAIR(S): Michael N. Solem, American Association of Geographers
 Discussant(s): Richard G. Boehm, Texas State University; Michael N. Solem, American Association of Geographers
- 4403. Symposium on Human Dynamics Research: A Dark Side to Data-Centric Geography? Where are the Reward Systems? (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Esri, Remote Sensing Specialty Group)**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Dawn J. Wright, Esri
 CHAIR(S): Dawn J. Wright, Esri
 Introducer: Dawn J. Wright
 Discussant(s): Matthew W. Wilson, Harvard University
 Panelists: Karen Kemp, University of Southern California; Werner Kuhn, UCSB; Serge Rey, Arizona State University; Daniel Goldberg, Texas A&M University; Renee Sieber, McGill University
- 4404. Economic Geography and Grand Challenges 3: Governance (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Christian Binz, Harvard University; Teis Hansen, Department of Human Geography and CIRCLE, Lund University; Josephine V. Rekers, Lund University
 CHAIR(S): Teis Hansen, Department of Human Geography and CIRCLE, Lund University
 1:20 Markus M. Bugge*, NIFU Nordic Institute for Studies in Innovation, Research and Education, *From grand challenges to daily practice - The conditions for collaborative exploration in the public sector.*
 1:40 Tom A. Daamen*, Delft University of Technology; Ellen van Bueren, Delft University of Technology, *The Transformative Force of Glocal Port-City Projects: Integrated Governance in the Rotterdam Region.*
 2:00 Lucien Georgeson*, University College London; Mark Maslin, PhD, University College London; Martyn Poessinouw, University College London, kMatrix; Steve Howard, kMatrix, *Global megacities differing adaptation responses to climate change.*
 2:20 Josephine V. Rekers*, Lund University; Teis Hansen, Lund University, *Grand challenges and cities: Why do experiments not occur in every or in any city?*
 Discussant(s): Teis Hansen, Department of Human Geography and CIRCLE, Lund University
- 4405. Textbooks and Educational Media in Geography Education (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Péter Bagoly-Simó, Humboldt-Universität zu Berlin; Sirpa Tani, University Of Helsinki
 CHAIR(S): Péter Bagoly-Simó, Humboldt-Universität zu Berlin
 1:20 Markus Hilander*, Department of Teacher Education, University of Helsinki, Finland, *Reading photos from geographical perspective: Geographical hints and the 'blind field'.*
- 4406. Debt Wish 20 Years On: Revisiting Sbragia's U.S. Entrepreneurial Urbanism (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Kevin Ward, University of Manchester; Mark Davidson, Clark University
 CHAIR(S): Kevin Ward, University of Manchester
 Panelists: Andrew E.G. Jonas, University of Hull; Sarah E. Knuth, University of Michigan; Rachel Weber, University of Illinois At Chicago; David Wilson, University Of Illinois; Alberta M. Sbragia, University of Pittsburgh
- 4407. Re-scaling of Conservation: a Global Investigation into the Transformation of Conservation Practice 1**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Robin Roth, York University; Elizabeth Lunstrum, Department of Geography
 CHAIR(S): Robin Roth, York University
 Introducer: Robin Roth
 1:25 Karen A. Kalynka, Master Student*, University of Victoria; Jessica Anne Dempsey, Associate Professor, University of Victoria; Phil Dearden, Professor of Geography, University of Victoria, *Another Decade of Change: A Review of Protected Areas in Canada.*
 1:45 Brock Bersaglio*, University of Toronto - Toronto, ON, *A socio-natural account of hegemony in Laikipia, Kenya: Safaris in contested lands.*
 2:05 Mara Jill Goldman, PhD*, University of Colorado; Alicia Davis, PhD, University of Glasgow, *Measuring Success: Moving beyond PES, to recognize the importance of trust, livelihoods, and tenure security in community based conservation projects.*
 2:25 Robin Roth*, University of Guelph; Ryan Hackett, York University; Megan Youdelis, York University, *Aboriginal Engagements with Market-Based Conservation.*
 Discussant(s): Jessica Dempsey, University of Victoria
- 4408. Serving the Community Through Research**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Lara Bryant, Keene State College
 CHAIR(S): Lara Bryant, Keene State College
 1:20 Keri Carr*, Matthew Collins, Keene State College; Cassandra Stepanek, Keene State College, *From Farm to Plate and the Education Inbetween.*
 1:40 Danielle Sinvil*, Keene State College, *Transforming the Wyman Tavern through the analysis of Cultural Tourism.*
 Introducer: Lara Bryant
 2:20 Michelle Kelley*, Keene State College, *Up Hill Both Ways: Active Commuting in Hinsdale, New Hampshire.*
 2:40 John Ahern*, Keene State College; Samuel Jones, Keene State College; Megan Pietrowski, Keene State College; Ryan Zarnowski, Keene State College, *Where the Sidewalk Ends and the Trail Begins: Creating a Complete Community in Swanzy, New Hampshire.*
- 4409. Forging Solidarity: Taking A Stand on Palestine - Plenary (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Omar Jabary Salamanca, Middle East and North Africa Research Group; Punam Khosla, York University; Robert B. Ross, Point Park University
 CHAIR(S): Punam Khosla, York University
 Panelists: Judith Butler, University of California - Berkeley; Derek Gregory, University of British Columbia; Laura Pulido, University of Southern California; Sunaina Maira, University of California - Davis; Curtis Marez, University of California San Diego; Robin DG Kelley, University of California - Los Angeles; Omar Jabary

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Salamanca, Middle East and North Africa Research Group

- 4410. Mapathon: Mapping to Prevent Health and Infectious Diseases (Sponsored by Geographic Information Science and Systems Specialty Group, AAG Mapathon, Cartography Specialty Group)**
Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
- 4411. The “Other” Side of the Bay: Contested Geographies of Oakland I**
Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Alex Werth, University of California - Berkeley; Allison Logan, University of California - Berkeley; Andrea L. Miller, University of California - Davis
 CHAIR(S): Margaret Marietta Ramírez, University of Washington, Seattle
1:20 Trisha Barua*, University of California - Davis, *The Ambivalences of Racial Liberalism: Michael Chabon and Ishmael Reed’s Black Power Imaginaries of Oakland.*
1:40 Erin McElroy*, University of California - Santa Cruz, *On the Work of the Anti-Eviction Mapping Project in Alameda County: Questioning the Parameters of Gentrification as an Analytic.*
2:00 Eli Marienthal, PhD Candidate*, University of California, Berkeley, *Funk at the Lake: Condo Towers, Drum Circles, and the Struggle for Spatial Wealth.*
2:20 Allison Logan*, University of California - Berkeley, *Symbolic Struggles Over Housing Policy: Holding Developers Accountable.*
 Discussant(s): Margaret Marietta Ramírez, University of Washington, Seattle
- 4412. Polar Issues VI: Arctic Horizons 2025: NSF forum on the Future of Arctic Social Research (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Polar Geography Specialty Group)**
Room: Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Andrey N. Petrov, University of Northern Iowa
 CHAIR(S): Andrey N. Petrov, University of Northern Iowa
 Introducer: Jessica K. Graybill
 Panelists: Scott Stephenson, University of Connecticut; Kelsey Nyland, Michigan State Univ.; Victoria A. Walsey, University of Kansas; Ben Bradshaw, University of Guelph; Timothy Edmund Heleniak, Nordregio - The Nordic Centre for Spatial Development; Hal Salzman, Rutgers University; Dmitry A. Streletskiy, George Washington University; Jay T. Johnson, University of Kansas; Natalia Loukacheva
- 4413. Proposal-Writing Strategies for the NSF Geography and Spatial Sciences Program (Opportunity 3 of 3) (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Thomas J. Baerwald, National Science Foundation
 CHAIR(S): Thomas J. Baerwald, National Science Foundation
 Discussant(s): Holly M. Hapke, National Science Foundation; Sunil Narumalani, National Science Foundation; Thomas J. Baerwald, National Science Foundation
- 4414. Transforming Work in Mobile Worlds 1: Belonging, Emotions, Bodies (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 4, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Francis L. Collins, University of Auckland; David Bissell, The Australian National University
 CHAIR(S): Francis L. Collins, University of Auckland
- 1:20** Jenny Jansdotter*, Karlstad University, *Bound for Perpetual Mobility? Academic Elite Migrants Negotiating Intimacy and Belonging at a Distance.*
- 1:40** Nick Skilton, PhD Candidate*, University of Wollongong, *The Anxious Heart of Australian National Identity: When resource communities and distance labour collide..*
- 2:00** Diane Frost, Dr.*, University of Liverpool, *Mobile Lives: Colonial And Postcolonial Legacies Of Belonging, Identity And Community Making Among West African Kru Migrants.*
- 2:20** Andrew F. Kaufman*, Institute of Urban Studies, *Mobility as an Event: assemblages of homeless migration in Canada.*
 Discussant(s): Andrew Gorman-Murray, Western Sydney University
- 4417. Smart + Sustainable? 3: A critical look at digitally-enabled green urbanism**
Room: Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Alexander Aylett, National Institute for Scientific Research
 CHAIR(S): Alexander Aylett, National Institute for Scientific Research
1:20 Erik Porse*, UCLA Institute for the Environment; Stephanie Pincetl, UCLA, *Do Smart Cities Exacerbate Inequality?.*
1:40 Anita McKeown*, SMARTlab, University College Dublin, *SMARTER Cities: Smart cities and The Matter of Technology.*
2:00 Heather Lovell*, University of Tasmania, *The promise of smart grids.*
2:20 Hebe Verrest*, University of Amsterdam; Karin Pfeffer, University of Amsterdam, *Smart Urbanism or Critical Urbanism? An integrated approach for dealing with water vulnerabilities.*
 Discussant(s): Andres Luque-Ayala, Durham University, UK
- 4418. Crowd-sourcing technologies for environmental justice (Sponsored by Geographic Information Science and Systems Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: Continental 8, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Jonathan K. London, ept of Human Ecology/Community and Regional Development; Lindsey Dillon, University of California - Davis
 CHAIR(S): Jonathan K. London, ept of Human Ecology/Community and Regional Development
 Introducer: Jonathan K. London
- 4419. Contemporary Perspectives on Urban Inequality-I: New Urbanism, Gentrification and Housing Issues (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, University of North Carolina at Chapel Hill
 CHAIR(S): Madhuri Sharma, University of Tennessee, Knoxville
1:20 Jacob Robert Wolff*, University of New Mexico, *Inequality of Opportunity and the Ambiguity of Urban Form: Studentification as a Necessary Concept to Understanding Socio-spatial Injustice in the Contemporary City.*
1:40 Scott Markley*, University of Tennessee, *Examining the determinants of infill New Urbanism in Atlanta’s suburbs.*
2:00 Zia Salim*, California State University - Fullerton; Robert Young, California State University, Fullerton, *California Rent Burdens and the Potential Roles of Nonprofit Affordable Housing Providers.*

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2:20 Chad Newbrough Steacy*, University of Georgia, *Difference through exhibition: Detroit and the construction of the Other through the 'beautiful horror' of urban decline.*

2:40 Michael D. Webb*, University of North Carolina at Chapel Hill; William M. Rohe, University of North Carolina at Chapel Hill; Kirstin P. Frescoln, University of North Carolina at Chapel Hill, *Counselors or Craigslist? Relationships between Housing Search Resources and Voucher Holders' Neighborhood Outcomes.*

4420. Geographies of intersectionality in research engagement and encounter spaces (Sponsored by Sexuality and Space Specialty Group)

Room: Franciscan A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Ralitsa Hiteva, SPRU, University of Sussex; Sarah Marie Hall, University of Manchester
 CHAIR(S): Ralitsa Hiteva, SPRU, University of Sussex
 Panelists: Yasminah Beebejaun; Pamela Moss, University of Victoria; Gordon Waitt; Michael Richardson, Newcastle University; Bethan Evans, University of Liverpool; John Paul Catungal, University of British Columbia

4421. Uncertainty and Quality Issues in Spatial Data Analysis: Public Health and Residential Space (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Health and Medical Geography Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Min Sun, George Mason University; Daniel A. Griffith, U. of Texas at Dallas; Yongwan Chun, The University of Texas at Dallas

CHAIR(S): David W. Wong, George Mason University

1:20 David W. Wong*, George Mason University, *Errors in Neighborhood Definition: Can We Do Better?.*

1:40 Monghyeon Lee*, University of Texas at Dallas; Yongwan Chun, The University of Texas at Dallas; Daniel Griffith, The University of Texas at Dallas, *Impacts of location errors on spatial cancer data analyses: A simulation approach.*

2:00 Zan M. Dodson, PhD*, University of Pittsburgh; Hawre Jalal, MD, PhD, University of Pittsburgh; Guido Camargo, Universidad Nacional de Colombia; John Greffentette, PhD, University of Pittsburgh; Mark S. Roberts, MD, MPP, University of Pittsburgh, *Visualizing the Implications of Spatial Uncertainty on Public Health Policy.*

2:20 Nicholas Nagle*, University of Tennessee; Oak Ridge National Laboratory, *Statistical dasymetric modeling for small area population estimates.*

2:40 Qing Luo*, Wuhan University; Daniel A. Griffith, The University of Texas at Dallas; Huayi Wu, Wuhan University, *Notes on variance of SAR model's Rho.*

4424. Special Session on Disruptive Innovation and the War on Drugs - Featured Sessions (Sponsored by Military Geography Specialty Group, Development Geographies Specialty Group, Business Geography Specialty Group)

Room: Imperial A, Hilton Hotel, Ballroom Level (Panel Session)

Organizers:

Allison Brown, Tuscarora International
 Andrew Millington, Flinders University

Chair: Allison Brown, Tuscarora International

Speakers:

Allison Brown, Tuscarora International
 John Buchanan, University of Washington
 Andrew Millington, Flinders University
 Stewart Williams, University of Tasmania
 Christopher Fuhrman, University of Utah

What is the War on Drugs coming to? Heroin use is up. Marijuana is legal. Coca laws are under attack. Scientists are synthesizing radically strong and new opioids from yeast. Farm gate prices for poppy latex are up. Cultivation in Afghanistan is down, but still way up. Fighting in Afghanistan and Mexico is up. Stability in both is down. Allied forces are leaving - no staying in Afghanistan. Will the 2016 UNGASS meeting in mid-April be of any use?

This panel discussion will take a critical look at the disruptive scientific, cultural and medical twists that have completely altered Counter Narcotics theory and practice in the past 3 years and the ways these changes, and emerging patterns of drug addiction, are already affecting agriculture, military, and government strategies. The panel will examine the revised profit strategies of licit and illicit businesses in the rapidly changing drug world and consider how these changes could spin out in the future.

4425. Fleming Lecture in Transport Geography: One Step Beyond: Questing for Sustainable Mobilities in the Global North and South (Sponsored by Transportation Geography Specialty Group)

Room: Imperial B, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Elizabeth Delmelle, University of North Carolina at Charlotte
 CHAIR(S): Elizabeth Delmelle, University of North Carolina at Charlotte

Introducer: Elizabeth Delmelle

1:30 Karen Lucas, Professor*, Institute of Transport Studies, University of Leeds, *One Step Beyond: Questing for Sustainable Mobilities in the Global North and South.*
 Discussant(s): Irene Casas, Louisiana Tech University

4426. Summer of Maps Fellowship Case Studies (Sponsored by AAG Jobs and Careers Theme)

Room: Yosemite A, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers; Daniel McGlone, Azavea
 CHAIR(S): Daniel McGlone, Azavea

1:20 Daniel McGlone, Azavea
2:10 Tyler Adam Dahlberg, Azavea

4427. Working Abroad: International Job Opportunities for Geographers (Sponsored by AAG Jobs and Careers Theme)

Room: Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers; Niem Huynh, American Association of Geographers

CHAIR(S): Niem Huynh, American Association of Geographers
 Discussant(s): Helen Hazen, University of Denver; Doug Gress, Seoul National University; Peter George Chirico, United States Geological Survey; Pablo Fuentenebro, United Nations Environment Programme (UNEP); Katsuhiko Oda, University of Southern California
 Panelists: Minoru Yuda, University of Texas - Arlington

4428. SAGE 2: "All By Myself:" Making the Most As A Stand-Alone Geographer (Sponsored by AAG Jobs and Careers Theme, Stand-Alone Geographers Affinity Group)

Room: Union Square 1, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Amy E. Potter, Armstrong State University
 CHAIR(S): Amy E. Potter, Armstrong State University
 Panelists: Jamey Essex, University of Windsor; Katherine Ross, None; Dawn M. Drake, Missouri Western State University; Jason B. Greenberg, Sullivan University; Tamar Y. Rothenberg, Bronx Community College of the City University of New York; Corey M. Werner, University of Central Missouri; Marie Luce Storme, Varadi Institute; Amy E. Potter, Armstrong State University

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- 4429. Social and Environmental Impacts of Urban and Historical Agriculture (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Daniel R. Block, Chicago State University
 CHAIR(S): Daniel R. Block, Chicago State University
1:20 Georgeta Stoian Connor, Ph.D.*, Georgia Gwinnett College, *Romania's Agriculture within the Political Economy of the Golden Age: The Impact of Collectivization on Romanian Society.*
1:40 Michelle Stuhlmacher*, Arizona State University, *Governance and Adaptation: A Case Study of Urban Agriculture in Cuba's Special Period.*
2:00 David Snowdy*, Student, *Social Geographical Considerations of Urban Agriculture.*
- 4430. Spatial Inequality, Sustainability and Policy in China and Asia III: Environment (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Yehua Dennis Wei, University of Utah; David W. Edgington, University Of British Columbia
 CHAIR(S): Wei Xu, University Of Lethbridge
1:20 Samuel Kay*, Ohio State University, *Urban outcasts: environmental cleanup and forced migration in north China.*
1:40 Jing Shen*, Sun Yat-sen University; YeHua Dennis Wei, University of Utah; Yang Zi, Sun Yat-sen University, *Environmental Regulation and Location of Pollution intensive Industries in Guangdong Province, China.*
2:00 Weishi Zhang*, Chinese University of Hong Kong; Weishi Zhang, the Chinese University of Hong Kong, *Residential black carbon mitigation in rural China.*
2:20 Changyan Wu*, Nanjing University, University of Utah; Yehua Dennis Wei, University of Utah; Xianjin Huang, Nanjing University; Bowen Chen, Nanjing Normal University, *Regional integration, Transportation and Urban Land Use Efficiency in Yangtze River Delta, China.*
- 4431. America's Best Idea? The National Park Service 1916-2016 Session I: Origins and Evolution (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Yolonda Youngs, Idaho State University; William Wyckoff, Montana State University
 CHAIR(S): William Wyckoff, Montana State University
1:20 Terry Young*, California State Polytechnic University-Pomona, *"In Media Res": California as National Park-State Park Intersection.*
1:40 Lary M. Dilsaver*, University Of South Alabama, *Reflections on the National Park Service Organic Act.*
2:00 Michael Pretes*, University of North Alabama; Tamsen Hert, University of Wyoming, *California and the Making of the National Park Service.*
2:20 Judith L. Meyer, PhD*, Missouri State University, *Howard Eaton and the Early Years of the National Park Service.*
 Discussant(s): William Wyckoff, Montana State University
- 4432. Radical Africana: Transformation in Africa (Sponsored by Africa Specialty Group, Socialist and Critical Geography Specialty Group, Development Geographies Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Paul O'Keefe
 CHAIR(S): Paul O'Keefe
1:20 Jennifer L. Smith, PhD*, West Virginia University, *Continual Poverty and Uneven Development in Post-Apartheid Spaces.*
1:40 Tessa Ann Eidelman*, Vanderbilt University, *Economics,*
- gentrification, "remnants of the past", or something else? An analysis of the threatened eviction of residents from the De Waal Drive flats in Cape Town.*
- 2:00** Paul O'Keefe*, Louisiana State University, *Deagrarianization and Vulnerability in Kilimanjaro Region, Tanzania.*
- 2:20** Njoroge I. Gathongo*, University of Tennessee; Liem Tran, University of Tennessee, *A Geospatial Approach for Assessing Vulnerability of Human and Natural Systems at Mt. Kasigau, Kenya.*
- 2:40** Naa Ansa Ansa-Koi*, West Virginia University, *Gendered Livelihoods and Technology Appropriation among urban Ghanaian women.*
- 4433. Energy Transitions I: Bioenergy (Sponsored by Energy and Environment Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Michael Minn, University of Illinois
 CHAIR(S): Michael Minn, University of Illinois
1:20 Dr. Pankaj Lal*, Montclair State University; Bernabas Wolde, Montclair State University; Pralhad Burli, Montclair State University, *Woody Biomass Based Energy in Southern United States: Why Forest Landowners Care?.*
1:40 Latha Baskaran*, Oak Ridge National Laboratory; Henriette Jager, Oak Ridge National Laboratory; Jasmine Kreig, Oak Ridge National Laboratory; Gangsheng Wang, Oak Ridge National Laboratory; Craig Brandt, Oak Ridge National Laboratory, *Identifying opportunities for sustainable bioenergy production in two southern tributary basins of the Mississippi River Basin: focus on water quality, quantity and biodiversity.*
2:00 Justine Law*, Denison University, *Scalar interactions across wood bioenergy economies.*
2:20 Nazli Z. Uludere Aragon*, Arizona State University, *Land Availability for the Cultivation of Second Generation Bioenergy Crops in California.*
2:40 Norberto Quinones*, SUNY - Binghamton, *Potential areas to locate macroalgae mariculture systems using GIS: Eucheuma isiforme in Puerto Rico's EEZ case study..*
- 4434. Regional Systems of China: Past, Present, and Future (Sponsored by China Specialty Group)**
Room: *Union Square 7, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Mark Henderson, Mills College; Karl Ryavec, University of Wisconsin
 CHAIR(S): Mark Henderson, Mills College
 Introducer: Mark Henderson
1:28 Ruth Mostern*, University of California - Merced, *Loess is More: War, Erosion and Development on the Ordos Plateau ca. 700-1300 CE.*
1:46 Xiaojia Hou*, San Jose State University, *A Century of Sorrow: the Yellow River and A Forgotten Province.*
2:04 Binru Cao*, Jiangnan University; Yanjia Cao, University of Maryland, *Pathway of the new urbanization in developed areas of China - A case study of Eastern Wuxi District.*
2:22 Kang Wu*, Capital University of Economics and Business; Ying Long, Beijing Institute of City Planning; Xin Zheng, Massachusetts Institute of Technology; Hongmou Zhang, Massachusetts Institute of Technology; Merrick Lex Berman, Harvard University, *From Metropolitan Area to Megalopolis: Delimitation and Extension of Functional Urban Areas in China.*
 Discussant(s): Karl Ryavec, University of Wisconsin

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- 4437. China's Transportation Systems I: Air Transportation and Ports (Sponsored by China Specialty Group, Transportation Geography Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Qian Ye, University of Tennessee
 1:20 Jiaoe Wang*, Institute of Geographic Sciences and Natural Resources Research; Han Wang, Institute of Geographic Sciences and Natural Resources Research, *The expansion of China's international air network and its hub airports: 1990-2014.*
 1:40 FANGWU WEI*, Drexel University, *Change and Development: Exploring China's Air Transportation System.*
 2:00 Wei Wang*; Chengjin Wang; Fengjun Jin, *Functional Structure Convergence of China's Coastal Ports.*
 2:20 Qian Ye*, University of Tennessee; Hyun Kim, University of Tennessee, *Characteristics of air passenger transport networks -- A comparative analysis between China and the United States.*
- 4438. Environmental Challenges and Sustainable Development in China I (Sponsored by China Specialty Group)**
Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Enru Wang, University of North Dakota
 1:20 Ma Li*, Institute of geographical Sciences and Natural Resources Research, CAS; Fenjun Jin, Institute of Geographical Sciences and Natural Resources Research, CAS, *Temporal and spatial coupling between Chinese Industrialization and Environment Pollution.*
 1:40 Xiangwei Meng, Peking University; Xuegong Xu*, Peking University, *Analysis and Simulation of Non-point Pollutant in the Middle and Lower Reaches of Liaohe Basin, China.*
 2:00 Xin Yang*, College of Land Management, Huazhong Agricultural University; Fan Zhang, Centre for Environmental Economics and Policy, School of Agricultural and Resource Economics, The University of Western Australia; Anlu Zhang, College of Land Management, Huazhong Agricultural University, *The Ecological Footprint as a Key Indicator for the Zoning of Farmland Compensation---By taking Wuhan Metropolitan Area in central China as the example.*
 2:20 Enru Wang*, University of North Dakota; Qian Li, China National Environmental Monitoring Centre, *Water Quality and Water Pollution in China's River Basins.*
- 4439. Technological Infrastructures and the Geopolitics of Control**
Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Tobias C. Van Veen, Université de Montréal; Anna Feigenbaum, Bournemouth University
 CHAIR(S): Tobias C. Van Veen, Université de Montréal
 1:20 Jesse Goldstein*, Virginia Commonwealth University, *If "Capital spurs innovation" then who is the horse?.*
 1:40 Nick Lally*, University of Wisconsin - Madison, *Complicity, Control, and Predictive Policing.*
 2:00 tobias c. van Veen, SSHRC Postdoctoral Fellow*, Université de Montréal, *Deprogramming the Human: Afrofuturism and Control Technics.*
 2:20 Anna Feigenbaum*, Bournemouth University; Daniel Weissmann, Bournemouth University, *Vulnerable Warriors: Space, Place and Control in the Marketing of Police Militarization?.*
 Discussant(s): Anja Kanngieser, University of Wollongong
- 4440. Accessibility, Flows and Identities at the Crossroads: from Gottmann to Contemporary Urban/Political Geography: (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)**
Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Luca Muscara, Università del Molise
 CHAIR(S): Yasuo Miyakawa, Kyushu University
 Introducer: Luca Muscara
 1:35 Marie D. Price, PhD*, George Washington University; Taylor Elwood, MA Student, George Washington University, *Global Immigrant Gateways Revisited.*
 1:52 Béla Filep*, Center for European Studies, Harvard University, *The transnationalization of self-determination claims in Europe.*
 2:09 Olivier LABUSSIÈRE*, PACTE laboratory, *Megalopolis, an ethical challenge: thinking an urban space to which all men have access.*
 2:26 Jean-Paul HUBERT*, IFSTTAR; Pierre PISTRE, IFSTTAR, *A Gottmannian perspective on some suburban issues.*
 2:43 Murray M. Low*, London School of Economics, *Capital cities and the geopolitics of knowledge.*
- 4441. Towards a Research Agenda for Tourism Geography (I) (Sponsored by Recreation, Tourism, and Sport Specialty Group)**
Room: Union Square 14, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Alan A. Lew, Northern Arizona University; Dieter K. Müller, Umeå University
 CHAIR(S): Stroma Cole
 Panelists: Dieter K. Müller, Umeå University; Patrick Brouder, Brock University; Alison M. Gill, Simon Fraser University; Maria Gravari, IREST; Jarkko J. Saarinen, University of Oulu
- 4442. Extraction Industries and Indigenous Peoples: contentions and possibilities (Sponsored by Indigenous Peoples Specialty Group)**
Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Brian Michael Napoletano, CIGA - UNAM
 1:20 Emily Spangenberg*, University of Texas at Austin, *Contested terrain: defining "environmental remediation" in Abra Pampa, Argentina.*
 1:40 Diana Negrin*, UC Mexus Conacyt; Diana Michelle Negrin, PhD, UC Mexus-Conacyt, *Critical Solidarity: Opportunities and Challenges of Social Activism Across Racial and Geographic Boundaries.*
 2:00 María Belén Noroña, Ph.D student*, University of Oregon, *Recreating territory: Indigenous grassroots strategies to increase control over territory and natural resources in an age of mining.*
 2:20 Brian Michael Napoletano*, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; Yurixhi Manriquez, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México; Claudio Garibay Orozco, Centro de Investigaciones en Geografía Ambiental, Universidad Nacional Autónoma de México, *Languages and Discourses of Territory in Conflicts over Mining in the Sierra Norte of Puebla, Mexico.*
- 4443. Conservation in the Anthropocene: Balancing Innovation with Caution? (Sponsored by Regional Development and Planning Specialty Group, Landscape Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): John A. Gallo
 CHAIR(S): John A. Gallo
 1:20 Marcus John Collier, Dr.*, University College Dublin, *Novel Ecosystems: Helpful, Hearsay or Heresy?.*
 1:40 Kathleen Allison Watt*, University of Toronto; Tenley Conway, Dr., University of Toronto, *Successes and Challenges in Implementing Land Use Legislation for Regional Greenbelt Protection: A case study of the Oak*

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Ridges Moraine, Canada..

2:00 Gregory H. Aplet*, The Wilderness Society; John Gallo, Conservation Biology Institute; Peter McKinley, The Wilderness Society, *Mitigating Risk from Climate Change using a new Spatial Decision Support System for allocating a Land Management Portfolio I.*

2:20 John A. Gallo, Ph.D.*, Conservation Biology Institute; Greg Aplet, Ph.D., The Wilderness Society; Tim Sheehan, Conservation Biology Institute; Michael Lundin, Conservation Biology Institute, *A New Spatial Decision Support System (SDSS) for Addressing Climate Change.*

Discussant(s): Mark Schwartz, University of California

4444. Transforming Regimes of (Re)production: Gender, Labour Migration and the City in the Global South. (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Tom Cowan, King's College London; Hannah Schling, Kings College London

CHAIR(S): Hannah Schling, Kings College London

1:20 Danièle Bélanger*, Université Laval, *Migrant sex workers in urban Vietnam : negotiating illegality and precarity.*

1:40 Janvi Gandhi*, Universidad De Deusto, *Labour migration of rural migrants in Rural India: circulation and change of social reproduction.*

2:00 Kathleen D. Griffiths*, CUNY Graduate Center Department of Anthropology, *Gendered Geography of Work and Social Reproduction in Peri-urban KwaZulu-Natal.*

2:20 Rachel Silvey*, U. of Toronto, *Working the Corridor: Undocumented Time among Indonesian Migrants in Malaysia.*

4445. Public Space/Public Place

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Justin Lapointe

1:20 Elisabeth J. Sedano, J.D., Ph.D.*, University of Southern California, *The Informal Landscape of Outdoor Advertising in Los Angeles.*

1:40 Alexander Stewart*, University of California, Berkeley, *The Southern California Swap Meet: Hybridity and Mimicry in Loose Urban Space.*

2:00 Lorne A Platt, Ph.D.*, Cal Poly Pomona, *Canyons, Schoolyards, and Urban Infrastructure: A Natural History of Skateboarding in Southern California.*

2:20 Justin Lapointe*, INRS, Montréal; Justin Lapointe, INRS, *Critical review on «lawn-space» as a signifying character of suburban landscapes..*

4446. New Voices in Rural Geography III (Sponsored by Rural Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Chris Laingen, Eastern Illinois University; Sarah A. Mason, University of Western Ontario

CHAIR(S): Sarah A. Mason, University of Western Ontario

1:20 Ellen Jean Bubak*, South Dakota State University, *A Long Way to "Say Aah" - An Analysis of South Dakotans in Healthcare Deficit Locations.*

1:40 Christopher Holtkamp*, Texas State University - San Marcos, *Defining a Region: How we Understand Appalachia.*

2:00 Ceren Gamze Yasar*, METU - Ankara (PhD) / UPenn - PA (VSR), *The Spaces of Alienation: Urban Sprawl and the Prosaic Cities.*

2:20 Robert R. Underwood*, University of North Texas, *Place, Faith, and Economy: Religion and Farming Practice in Texas.*

Discussant(s): Renata Blumberg, University of Minnesota

4447. Researcher trauma: Dealing with traumatic research content and places (Sponsored by Qualitative Research Specialty Group, Hazards, Risks, and Disasters Specialty Group, Cultural Geography Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Dale Dominey-Howes, School of Geosciences
CHAIR(S): Dale Dominey-Howes, School of Geosciences

1:20 Gail Hutcheson*, The University of Waikato, *(Not) writing the too intimate or raw - the traumatic - in geography.*

1:35 Connie Johnston, PhD*, University of Oregon, *So close and yet so far: exploring a case of emotional connection and distance during fieldwork.*

1:50 Jennifer O'Brien*, University of Manchester, *'Smelling the blood on the floor': Developing ethics for life changing research.*

2:05 Verity Anne Greenwood, BA (Hons 1) LLB PhD*, Macquarie University, *Surviving Participating Trauma and Grief as a Heuristic Researcher.*

2:20 John C. Western, Professor of Geography*, Syracuse University, *Retrospective: three places and times, differing researcher reactions..*

2:35 Elaine Batty*, Sheffield Hallam University, *The Contract Research Treadmill: Emotional Wellbeing of Researchers.*

Discussant(s): Christine Eriksen, University of Wollongong

4448. [Spatiotemporal Symposium] Time Geography: New Challenges and Opportunities (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Hongbo Yu, Oklahoma State University; Kajsa Ellegård, Linköping University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Kajsa Ellegård, Linköping University

1:20 Uffe Enokson*, Linnaeus University, Sweden; Rickard Ulmestig, Linnaeus University, *Local Constraints in Social Welfare: Policy Change and Theoretical Discussion.*

1:40 Yiming Tan*, Peking University; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Yanwei Chai, Peking University, *Examine the impacts of ethnicity on the space-time behavior patterns of ethnic minority groups: Evidence from the city of Xining, China.*

2:00 Yingjie Hu*, UC Santa Barbara, *Task-oriented information value measurement based on space-time prisms.*

2:20 Harvey J. Miller*, The Ohio State University; Martin Raubal, ETH-Zurich; Young Jaegal, The Ohio State University, *Measuring space-time prism similarity via temporal profiles.*

2:40 Kajsa Ellegård*, Linköping University, *Now - the inescapable transformation of future into past.*

4449. An Informational Right to the City? 3/3: ICTs & The Production of Space

Room: Union Square 22, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Joe Shaw; Mark Graham, University of Oxford
CHAIR(S): Joe Shaw

1:20 Dian Nostikasari, PhD, University of Texas at Arlington; Nicole Foster*, University of Texas - Arlington, *Inhabiting Conceptual Space: The Right to the City and Struggles over Transportation Geographies.*

1:40 Matthew Tiessen, PhD*, Ryerson University, *A Digital Right to Urban Nature in the City: Big Data, Wearables, and Emerging Expressions of Ecological Escapism.*

2:00 Emily Kaufman*, University of Kentucky, *Whose Right to the Secure City?.*

2:20 Deepak Gopinath*, University of Dundee, *Enabling 'Right to Appropriation' and Facilitating 'Distributed Cognition' in (Re-) production of Urban Spaces:*

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A Conceptual Framework for Creating Learning Environments for Involving Young People in Future Visioning of Cities.

2:40 Lindsay Blair Howe*, Swiss Federal Institute of Technology, *Information as Contestation: The Digital Realm as a Platform for Marginalized Communities.*

4450. The Interior in Social-Ecological Systems 1: Affective Transformations & Intentional Acts of Biophysical Rehabilitation (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Julia Haggerty, Montana State Univ; Hannah Gosnell, Oregon State University

CHAIR(S): Hannah Gosnell, Oregon State University

1:20 Fiona C Wilmot, Ph.D.*, Independent Scholar, *Womangrove: Ecologies of Restoration in a Salvadoran Swamp.*

1:40 Hannah Gosnell*, Oregon State University, *Regenerating Soil, Regenerating the Soul: Theorizing the Role of the "Interior" in Farmers' Transitions to Regenerative Agriculture.*

2:00 Julia H Haggerty, PhD*, Montana State University; Elizabeth Rink, PhD, Montana State University, *Community Resilience as Origin and Outcome of Restoration Processes: Conceptual and Operational Considerations.*

2:20 Kreg Lindberg, Ph.D.*, Oregon State University; Elizabeth Marino, Ph.D., Oregon State University; Christopher Wolsko, Ph.D., Oregon State University; Tommy Swearingen, Ph.D., Oregon Department of Fish and Wildlife, *Perceived Community Resilience and Its Predictors.*

Discussant(s): Karen O'Brien, University of Oslo

4451. The Geography of Entrepreneurship and its Ecosystems - I (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group, Business Geography Specialty Group)

Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Haifeng Qian, University of Iowa; Elizabeth Mack, Arizona State University; Heike Mayer

CHAIR(S): Haifeng Qian, University of Iowa

1:20 Thomas Niedomysl*, Lund University; Sierdjan Koster, Groningen University; John Källström, Lund University; John Östh, Uppsala University, *Migration of entrepreneurs: who moves and how does moving affect firm performance?.*

1:38 Kathrine E. Richardson*, San Jose State University, *Shaping and Making a Future: Iranian American Business and Technology Leaders in Silicon Valley.*

1:56 Murray D Rice*, University of North Texas; Vicki Oppenheim, University of North Texas; Chetan Tiwari, University of North Texas; Sean O'Hagan, Nipissing University; Donald Lyons, University College Cork; Milford B Green, Western University, *Tracking the Development of High-Growth Firms by Metropolitan Region.*

2:14 Yasuyuki Motoyama*, Ewing Marion Kauffman Foundation; Sameeksha Desai, Indiana University, *Quality of Life Reconsidered from Uncreative Cities.*

2:32 Elizabeth Mack, Ph.D.*, Michigan State University; Heike Mayer, Ph.D., University of Bern; Kevin Credit, Michigan State University; Grace Hough, Michigan State University; Matthew Suandi, Michigan State University, *Do Startup Diversify the Economic Base? An Evolutionary Perspective.*

Discussant(s): Heike Mayer

4452. Exploring complexities: perspectives on resilience from around the world

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Jennifer Ferreira, Coventry University; Ioanna Tantanasi, The University of Manchester

CHAIR(S): Ioanna Tantanasi, The University of Manchester

1:20 Sara Meerow*, University of Michigan, *Comparing Conceptualizations of Urban Climate Resilience in Theory and Practice.*

1:40 Leith Deacon, PhD*, University of Alberta; Kristof Van Assche, PhD, University of Alberta; Monica Gruezmacher, PhD, University of Alberta, *Resiliency, Long-Term Planning and Evolutionary Governance: Experiences from Canada's Resource-Based Communities.*

2:00 Ioanna Tantanasi, Dr*, The University of Manchester, *The two faces of resilience: does managing for ecological resilience foster social resilience too?.*

2:20 Kate Trincsi*, McGill University; Sarah Turner, McGill University, *Community resilience in a rapidly changing mountainous environment: ethnic minority land use decisions and resource management in northern upland Vietnam.*

2:40 Lena Flamm*, Technical University Cottbus, *Space | Economy | Flows : Urban Micro-Metabolisms.*

4453. Geographies of Media XVI: Media, governmentality, and managing the 'more than human' environment (4) (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): J Jesse Minor, University of Arizona; Joseph Palis, University of the Philippines-Diliman

CHAIR(S): Laura Sharp, University of Arizona

1:20 Rikke Bjerg Jensen*, Royal Holloway University of London; David Denney*, Royal Holloway University of London; Alasdair Pinkerton*, Royal Holloway, University of London, *The Social Military: networked spaces, military places.*

1:40 Elissa Waters*, University of Melbourne, *The Relational State in American Samoa.*

2:00 Robert Hibberd, GISP*, University of Arizona - Geography & Regional Development, *Visioning and Geodesign for Environmental Justice.*

Discussant(s): Benjamin Rubin, CUNY - Graduate Center

4454. Issues in Ethnic Geography I (Sponsored by Ethnic Geography Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Stavros T. Constantinou, Ohio State University; Carlos Teixeira, University of British Columbia Okanagan

CHAIR(S): Stavros T. Constantinou, Ohio State University

1:20 James Forrest, Ph.D*, Macquarie University; James Forrest, Macquarie University, Sydney, *Melting pot or segmentation? The structural and spatial integration/ assimilation of Muslim immigrants in Sydney, Australia. An analysis of the 1st and 2nd generations..*

1:40 Carlos Teixeira*, University of British Columbia Okanagan; Julie Drolet, University of Calgary, *Settlement and Housing Experiences of Recent Immigrants in the Interior of British Columbia, Canada.*

2:00 Tetiana Lysenko*, University of North Carolina - Charlotte; Qingfang Wang*, University of California, Riverside, *Internal migration of the foreign-born labor force in the United States.*

2:20 Stavros T. Constantinou, Ph.D.*, Ohio State University; Milton E. Harvey, Ph.D., Kent State University, *The development and cross-validation of adult Greek identity scale (AGIS).*

2:40 Carlos Balsas*, University at Albany, *Neighborhood*

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Change and Ethnic Entrepreneurship, A Socio-Cultural Study of Four North-American Cities in the Northeast.

4455. New geographies and spatialities of war and political violence III (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Steven M. Radil, University of Idaho; Andrew Martin Linke, University of Utah; Jamon Van Den Hoek, Oregon State University

CHAIR(S): Olivier J. Walther, Rutgers University - Newark

1:20 Jamon Van Den Hoek*, Oregon State University; Alkhalil Adoum, Famine Early Warning Systems Network (FEWS NET); Jana Kolassa, NASA Goddard Space Flight Center, *Remote sensing analysis of conflict-induced changes to smallholder food security in northeastern Nigeria under Boko Haram.*

1:40 Akin Iwilade*, University of Oxford, *Oil and militant geographies in the Niger Delta.*

2:00 Janpeter Schilling*, University of Hamburg, *Risks and Resilience in Kibera, Nairobi.*

2:20 Andrew Martin Linke, PhD*, University of Utah, *Household livelihood shocks and migration as pathways between local environmental change and conflict in Kenya.*

2:40 Diego Andres Lugo Vivas*, University of Miami, *Land as a Mechanism of Control, Primary Accumulation, and Dispossession. A Spatial Econometrics of the Property Regime in Colombia during the Escalation and Post-conflict Scenarios.*

4456. Scholar-Activists/Activist-Scholars: Cultivating an Ongoing Community of Food Justice Practice 3: Student and Beginners Session

Room: Sutter Room B, Hilton Hotel, 6th Floor (Panel Session)

ORGANIZER(S): Katharine Bradley, UC Davis

CHAIR(S): Daniel R. Block, Chicago State University

1:20 Hank Herrera, Center for Popular Research, Education and Policy, Tela D'arweh, Llc

Panelists: Kristin Reynolds, The New School; Jose Oliva, Food Chain Workers Alliance

4457. Global Art Worlds and a World of Cities 1 (Sponsored by Graduate Student Affinity Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Murray Mckenzie; Yueming Zhang, Clark University

CHAIR(S): Yueming Zhang, Clark University

1:20 Murray Mckenzie*, University College London, *Contemporaneity, Comparative Urban Geographies, and the Spatial Imaginaries of Contemporary Art.*

1:40 Julia Rothenberg, PhD*, Queensborough Community College, CUNY, *Theatre Gates' and Chicago's South Side: Linking Global Art Worlds to Local Development.*

2:00 Cameron McAuliffe*, Western Sydney University, *Transnational couch-surfing and global graffiti: 'Keepin' it real' in the creative city.*

2:20 Richard Grant*, University Of Miami; Asli Ceylan Oner, Faculty of Fine Arts and Design, Department of Architecture, Izmir University of Economics; Ayse Tekel, Gazi University, Faculty of Architecture, Department of City and Regional Planning., *Global Arts Worlds and the Worlding of Wynwood, Miami, Florida.*

Discussant(s): Alison L. Bain, York University

4458. Social Geographies of Wind Energy (Sponsored by Rural Geography Specialty Group, Energy and Environment Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Chad Walker, Western University; Geraint Ellis, Queen's University Belfast

CHAIR(S): Chad Walker, Western University

1:20 Chad Walker*, Western University, *"By the time neighbours find out, it's a sure thing!" - Wind Energy and Procedural Justice in Canada.*

1:40 Geraint Ellis, Prof*, Queen's University Belfast; Karen Jenkinson, Dr, School of Planning, Architecture and Civil Engineering, Queen's University, Belfast; Susana Batel, Dr, Cis-IUL, Lisbon University Institute, Portugal, *Facts, Hacks and Turbines: Using Media Analysis to Understand Trends in the Social Acceptance of Irish Wind Energy.*

2:00 Stephen J. Stadler, Ph.D.*, Oklahoma State University; J. Scott Greene, Ph.D., University of Oklahoma, *The New Anti-Wind Geography of Oklahoma.*

2:20 Becca C Castleberry, University of Oklahoma; John Scott Greene*, University of Oklahoma; Steven Stadler, Oklahoma State University; Shannon Ferrell, Oklahoma State University, *Impacts of Wind Energy Development on Oklahoma Schools.*

Discussant(s): Chad Walker, Western University

4459. Other cartographies, other geographies, other voices 1 (Sponsored by Cartography Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Janet Speake, Liverpool Hope University

CHAIR(S): Janet Speake, Liverpool Hope University

1:20 Deane R. Lycan*, Portland State Univ, *An Alternative Approach to Tabulating and Mapping Neighborhood Data for Seniors from the American Community Survey.*

1:40 Megen Brittell*, University of Oregon, *Audio in Cartographic Design.*

2:00 Stephen McFarland*, The University of Tampa, *Putting Class on the Map: From Workers' Cartography to Labor GIS.*

2:20 Janet Speake*, Liverpool Hope University, *Spaces of Affectivity - Other voices, Other cartographies, Other geographies.*

Discussant(s): Amber J. Boll, University of Kentucky

4460. Sustainable Urban Form and GeoDesign: Pathways for Healthy and Resilient Cities III (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Panel Session)

ORGANIZER(S): Christopher Galletti, Dartmouth College; John Connors, Boston University; Darren Ruddell, University of Southern California

CHAIR(S): Christopher Galletti, Dartmouth College

Panelists: V. Kelly Turner, Kent State University; Matei Georgescu, Arizona State University; Darren Ruddell, University of Southern California; Eric M. Huntley, University of Kentucky; Katherine Foo, Pennsylvania State University; Alenka Poplin, Iowa State University

4462. Environmental perception and health (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Jianya Gong, Wuhan University

1:20 Daniel James Lewis, PhD*, London School of Hygiene and Tropical Medicine; Steven CJ Cummins, PhD, London School of Hygiene and Tropical Medicine, *Objective measures of environmental change and adolescent health in the Olympic Regeneration in East London (ORiEL) cohort.*

1:40 Alec Biehl, PhD Student*, Department of Civil and Environmental Engineering, Northwestern University; Amanda Stathopoulos, Assistant Professor, Department

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- of Civil and Environmental Engineering, Northwestern University, *Achieving Healthier Mobility in Urban Environments through Wayfinding.*
- 2:00** Therese Norman*, California State University, Long Beach; Jönköping University, Sweden; Wesley DeWitt, California State University, Long Beach; Linna Li, PhD, California State University, Long Beach, *Our Local Surroundings and Sentiments on Twitter.*
- 2:20** Nicolas Berger*, London School of Hygiene and Tropical Medicine; Ellen Flint, London School of Hygiene and Tropical Medicine; Daniel Lewis, London School of Hygiene and Tropical Medicine; Steven Cummins, London School of Hygiene and Tropical Medicine, *Perceptions of the neighbourhood environment and adolescents' physical activity: longitudinal results from the Olympic Regeneration in East London (ORiEL) study.*
- 2:40** Jianya Gong*, Wuhan University; Yandong Wang, Wuhan University, *Inferring Urban Air Quality Based on Social Media.*
- 4463. Health impacts of built environment and land use (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Donggen Wang, Hong Kong Baptist University
1:20 Montserrat Pallares-Barbera, Ph.D.*, Universitat Autònoma de Barcelona, *Urban Planning, Health and Quality of Life: Insolation and Natural Ventilation in the Barcelona's Cerdà Grid Orientation.*
1:40 Fenglong Wang, East China Normal University, Shanghai, China; Donggen Wang*, Hong Kong Baptist University, *An Empirical Study on the Health Impacts of Multi-level Built Environments in Urban China.*
2:00 Andrée-Anne D'amours-Ouellet, INRS-UCS; Marie-Soleil Cloutier*, INRS-UCS, *The influence of road characteristics and child pedestrian behaviors on traffic interactions near elementary schools.*
2:20 Hong Hu*, Nanjing University, *Understanding the Impacts of Built Environment on Health from Perspectives of Residential Spatial Differentiation.*
2:40 Sory Toure*, San Diego State University; David Lopez-Carr, University of California Santa Barbara; John Weeks, San Diego State University; Douglas Stow, San Diego State University, *Evaluating connections between urban land cover and land use change and changes in child mortality.*
- 4464. Dialogues in Human Geography Plenary: The UN Development Goals**
Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): John Paul Jones, University of Arizona
 CHAIR(S): John Paul Jones, University of Arizona
1:20 Diana M. Liverman*, University of Arizona, *Geographic perspectives on development goals: Constructive engagements and critical perspectives on the MDGs and the SDGs.*
 Discussant(s): Farhana Sultana, Syracuse University; Edward R. Carr, Clark University; Andrea Joslyn Nightingale, Swedish University of Agricultural Sciences; William G. Moseley, Macalester College
- 4465. Animal Geography Plenary: Zoopolis: A Multispecies Urban History (Sponsored by Animal Geography Specialty Group)**
Room: Nikko Ballroom II, Hotel Nikko, 3rd Floor (Panel Session)
 ORGANIZER(S): Jacque (Jody) L. Emel, Clark University; Mona Seymour, Loyola Marymount University
 CHAIR(S): Jacque (Jody) L. Emel, Clark University
 Introducer: Jacque (Jody) L. Emel
 Discussant(s): Susan Ruddick, University of Toronto
 Panelists: Julie Urbanik; Jennifer R. Wolch, University of California, Berkeley; Krithika Srinivasan, University of Exeter; Harvey Neo, National University of Singapore; Paolo Giaccaria, University of Turin; Mazen Labban
- 4466. The spatial dimensions of development in the Kingdom of Saudi Arabian plans**
Room: Nikko Ballroom III, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Mohammed Saad Almogarry, King Saud University
 CHAIR(S): Mohammed Saad Almogarry, King Saud University
1:20 Mohammed Saad Almogarry*, King Saud University, *Riyadh Public Transport Project: A Huge and Vital Sustainable Urban Development Project for a Dynamic City.*
- 4470. Real-time technology health applications (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Jeremy Mennis, Temple University
1:20 Deborah Thomas*, University of Colorado Denver; Sheana Bull, University of Colorado Anschutz Medical Campus; Elias C Nyanza, Catholic University of Health and Allied Sciences, Tanzania; S.E. Ngallaba, Catholic University of Health and Allied Sciences, Tanzania; Michael Liedke, Independent Scholar, *Applying Best Practices in Developing the Tanzania Health Information Technology System (T-HIT) for Understanding Scalability and Transferability.*
1:40 Jeremy Mennis*, Temple University; Michael Mason, Ph.D., Virginia Commonwealth University; John Light, Ph.D., Oregon Research Institute; Julie Rusby, Ph.D., Oregon Research Institute; Erika Westling, Ph.D., Oregon Research Institute; Thomas Way, Ph.D., Villanova University; Nikola Zaharakis, M.A., Virginia Commonwealth University, *Neighborhood Violence, Psychological Stress, and Urban Adolescent Substance Use: An Analysis of Georeferenced Ecological Momentary Assessment (EMA) Data.*
2:00 Huayi Wu*, Wuhan University; Xuefeng Guan, Wuhan University; Bo Cheng, Wuhan University, *Real-time GIS for Sensors to Support Urban Health Applications.*
2:20 Sima Namin*, University of Texas at Arlington, *Seeking the Ground Truth in Environmental Justice: A Participatory GIS Approach.*
2:40 Jihoon Jung*, Florida State University; Christopher Uejio, Florida State University, *Can Twitter be a good index for heat waves?.*
- 4472. Animal Geography, Biogeography**
Room: Bay View Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Niklas Anderson, UW-Eau Claire
1:20 Charlotte K. Jennings*, University of California, Berkeley, *Comparative thermal physiology and evolution of Australopapuan skinks - testing Janzen's hypothesis for gradients in species diversity.*
1:40 Jeff Robert Baldwin, Ph.D.*, Sonoma State University, *Potential Stream Baseflow Augmentation by Beaver in the American West: A Critical Review of the Literature.*
2:00 Salit Kark*, University of Queensland, *What shapes spatial invasion patterns of alien birds in Australia vs. Europe?.*
2:20 Niklas Anderson*, UW-Eau Claire, *Black Bear management in Wisconsin: The Fifth Zone.*
- 4473. Music, Art, and Identity**
Room: Peninsula Room, Hotel Nikko, 25th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Pia Heike Johansen, University of Southern Denmark
1:20 Miki Annette Beavis*, Centre for Advanced Spatial

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Analysis, University College London, *Spatial Distributions and Networks of the Popular Music Scene and Musicians in London*.

1:40 X. Mara Chen*, Salisbury University, *The fading geographic voice in the emerging frontier of art and science*.

2:00 Rupert Till*, University of Huddersfield, *DJ Culture, Liminal Space and Place*.

2:20 Rajinder S. Jutla*, Missouri State University, *Exploring Visual Image of Branson, Missouri*.

2:40 Pia Heike Johansen*, University of Southern Denmark, *The aurally construction of rurality - the case of North-Norway*.

4474. The Art of Grant Proposal Writing: Supporting Women in Geography Across the Sub-disciplines, 4th Annual Panel (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, AAG Jobs and Careers Theme, Graduate Student Affinity Group)

Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Carolyn Fish, Pennsylvania State University; Nari Senanayake, Pennsylvania State University

CHAIR(S): Carolyn Fish, Pennsylvania State University

Discussant(s): Becky Mansfield, The Ohio State University
Panelists: Bradford Lee Bates, University of Alabama; Lynn Staeheli; Alan M. MacEachren, Pennsylvania State University; Wendy Wolford, Cornell University

4475. Narrating displacement: Lived experiences of social and spatial exclusion #3

Room: Paris North, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Emil Pull, Malmö University; Ioanna Tsoni, Malmö University; Jacob Lind, Malmö University
CHAIR(S): Jacob Lind, Malmö University

1:20 Emil Pull*, Malmö University, *Stories of neoliberal dystopia on the Swedish housing market*.

1:40 Mary Shi*, University of California - Berkeley, *Anti-Eviction Mapping Project-Eviction Mapping Project; Florian Opillard, School for Advanced Studies in Social Sciences, Paris / University of California - Berkeley, Anti-Eviction Mapping Project, San Francisco's Anti-Eviction Mapping Project's Oral History and Radical Mapping: Documenting Displacement in the Tech Boom 2.0*.

2:00 Luis J. Gonzalez*, University of South Africa, *Cultural Effects of Forced Displacement Among the Yukpa of Maracaibo, Venezuela*.

2:20 Sander Van Lanen*, University College CORK - Cork, *Austerity Urbanism as a Way of Life: Young People, Poverty and the New Spatial Traps in Contemporary Dublin*.

4476. Situating diasporic knowledges I (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Cultural Geography Specialty Group)

Room: Paris South, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Case Watkins, Louisiana State University; Judith Carney, UCLA

CHAIR(S): Case Watkins, Louisiana State University

1:20 HariPriya Rangan*, The University of Melbourne, *Recombinant Geographical Knowledge*.

1:40 Judith Carney*, UCLA, *Mangrove Ecosystems and the African Diaspora*.

2:00 Andrew Sluyter*, Louisiana State University, *The African Diaspora and Rangeland Burning in the Colonial Neotropics*.

2:20 Robert A. Voeks*, California State University Fullerton; Bruna Farias de Santana, Universidade Estadual de Feira de Santana; Ligia Funch, PhD, Universidade Estadual de Feira de Santana, *Quilombo Ethnomedicine: How Africanized Are Brazilian*

Maroon Pharmacopoeias?.

2:40 Chris S. Duvall*, University of New Mexico, *Evidence for the African-led introduction of Cannabis to the New World*.

4477. Exploring Roger Byrne's Legacy III: Human-environment interactions (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Michelle Goman, Sonoma State University;

Donald G. Sullivan, University Of Denver; Tripti Bhattacharya, University of California, Berkeley

CHAIR(S): Michelle Goman, Sonoma State University

1:20 James Patrick Doerner*, Univ of Northern Colorado; Maria Caffrey, University of Colorado; Robert H. Brunswig, University of Northern Colorado, *Late Holocene Archaeology and Paleoecology in North Park, Colorado, U.S.A.*

1:40 David Wahl*, United States Geological Survey; Lysanna Anderson, United States Geological Survey; Francisco Estrada-Belli, Tulane University, *A 1600 Year Record of Prehispanic Land-Use and Climate from the Northern Holmul Region, Peten, Guatemala*.

2:00 Sally P. Horn*, University Of Tennessee; Maureen Sánchez, University of Costa Rica; Chad S. Lane, University of North Carolina-Wilmington; Zachary P. Taylor, Berry College; Matthew T. Kerr, University of Tennessee; Erik N. Johanson, University of Tennessee; Jacob A. Cecil, University of Tennessee, *Late Holocene Fires in Costa Rica: Patterns and Drivers*.

2:20 Scott A. Mensing*, University of Nevada - Reno; Irene Tunno, Department of Geography, University of Nevada, Reno; Leonardo Sagnotti, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; Fabio Florindo, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; Paula Noble, Department of Geosciences, University of Nevada, Reno, Nevada, USA; Claire Archer, Department of Geosciences, University of Nevada, Reno, Nevada, USA; Susan Zimmerman, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratory, California, USA; Francisco-Javier Pavón-Carrasco, Istituto Nazionale di Geofisica e Vulcanologia, Rome, Italy; Gabriele Cifani, Università degli Studi di Roma Tor Vergata, Rome, Italy; Susanna Passigli, Università degli Studi di Roma Tor Vergata, Rome, Italy; Gianluca Piovesan, Dendrology Lab, DAFNE Università degli Studi della Tuscia, Viterbo, Italy, *Climatic and Socioeconomic Influences on 2700 Years of Paleoenvironmental Change in Central Italy*.

2:40 Michele Forman, M.Sc. University College London*, University of California - Berkeley, *Charcoal Analysis of a 2008 Sacramento Valley Oxbow Lake Sediment Core*.

4478. Human Impacts on Watershed Processes III Geochemical Processes and Environmental Quality (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

1:20 Yong Q. Tian, Professor*, Central Michigan University; Huijiao Qiao, Central Michigan University; Qian Yu, Associate Professor, University of Massachusetts-Amherst; Hunter J Carrick, Professor, Central Michigan University; Jiwei Li, University of Massachusetts-Amherst, *Variations of Riverine DOC Loading Rates from Agricultural Watersheds during Snow-Melting Dominated Storm Discharges*.

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- 1:40** Jie Ren*, Virginia Tech; James B Campbell, Virginia Tech; Yang Shao, Virginia Tech, *Predicting Sediment and Nutrient Loads for Selected Agricultural Watersheds in the Midwestern United States.*
- 2:00** Cheyenne I Lei*, Western Michigan University, *Spatial and Temporal Variability and Trends within the Tributaries of the Huron River & Its Effect on the Frequency of Flooding.*
- 2:20** Tongxin Zhu*, University of Minnesota, *GIS and regression analysis in the susceptibility and sediment production of mass movements in a semi-arid agricultural watershed.*
- 2:40** Romina King, PhD*, University of Guam, *Vulnerability to climate change in the Manell and Geus Watersheds, Guam.*
- 4479. Queer Data II: Locating Desire, Tension, and (In)Difference in the Data Mine (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**
- Room:* Vienna North, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Jen Jack Gieseck, Trinity College; Gregory Donovan, Fordham University
CHAIR(S): Elizabeth R. Johnson, University of Minnesota - Minneapolis
- 1:20** Gregory T Donovan*, Fordham University, *Canaries at Scale: Locating Urban Youth in the Data Mine.*
- 1:40** Maria Rodo-De-Zarate*, *Queering data mining on intersectionality through Relief Maps.*
- 2:00** Amanda Matles*, CUNY Graduate Center, *Cross Pollination: Stats and Embodied Methods in Critical Participatory Action Research.*
- 2:20** Jen Jack Gieseck*, Trinity College, *Size Matters to Lesbians Too: Queer Feminist Interventions into the Scale of Big Data.*
- Discussant(s):** Elizabeth R. Johnson, University of Minnesota - Minneapolis
- 4480. New Discourses of the Old Nation-State: Territories, Identities, Practices 1 (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
- Room:* Vienna South, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Ingrid A. Medby, Durham University; Berit Kristoffersen
CHAIR(S): Ingrid A. Medby, Durham University
- 1:20** Uli Linke*, Rochester Institute of Technology, *The Politics of Love: Rethinking the Sensual Life of the State.*
- 1:40** Tatiana Matejskova*, Roskilde University, *Diversity-integration dispositif and the immigration state.*
- 2:00** Belinda Dodson, PhD*, University Of Western Ontario, *Thinking Geographically about Xenophobia in South Africa.*
- 2:20** Ethan Yorgason*, Kyungpook National University, *Eastern Asia's Revitalization of the State Ideal through Maritime Territorial Disputes.*
- 2:40** Philip E. Steinberg, Durham University; Berit Kristoffersen, Dr*, UiT The Arctic University of Norway, *Freezing Space: Mapping sea ice as geo-political category.*
- 4481. Data-Intensive High-Performance Computing Approaches to Spatial Analytics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
- Room:* Caracas, Marker Hotel, Lower Level (Paper Session)
ORGANIZER(S): Yizhao Gao, University of Illinois; Budhendra Bhaduri, Oak Ridge National Laboratory; Shaowen Wang, University of Illinois at Urbana-Champaign
CHAIR(S): Yizhao Gao, University of Illinois
- 1:20** Ting Li*, University of Illinois; Kornelijus Survila, University of Illinois; Yuliya Semibratova, University of Illinois; Liping Liu, University of Illinois; Yan Liu, University of Illinois; Shaowen Wang, University of Illinois, *A CyberGIS approach to data-intensive drainage direction analysis in DEM.*
- 1:40** Jionghua Wang*, Chinese University of Hong Kong, *Estimation Origin-Destination matrix via fusion multi-source big data.*
- 2:00** Jiyang Shi*, UNC Charlotte; Wenpeng Feng, UNC Charlotte; Wenwu Tang, UNC Charlotte; Carl Trettin, Center for Forested Wetlands Research, *The estimation of global-level mangrove biomass and carbon: a high performance computing approach combined with Web GIS.*
- 2:20** Zhengqiang Li*, Wuhan University; Xuefeng Guan, Wuhan University; Huayi Wu, Wuhan University, *An Efficient Task Partitioning Method for the Distributed VecGCA Simulation based on the k-means Clustering Strategy.*
- 2:40** Yizhao Gao*, University of Illinois; Shaowen Wang, University of Illinois, *Detecting events from flow data: a high-dimensional spatial point process approach.*
- 4482. Technology and Geographic Information Science**
- Room:* Beijing, Marker Hotel, 2nd Floor (Interactive Short Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Matthew Pietrus, Northwestern University
- 1:20** Jucai Li*, Institute of Remote Sensing and Geographical Information System, Peking University; Wenjie Fan*, Institute of Remote Sensing and Geographical Information System, Peking University; Yuan Liu, Institute of Remote Sensing and Geographical Information System, Peking University; Xiru Xu, Institute of Remote Sensing and Geographical Information System, Peking University; Jingjing Peng, Institute of Remote Sensing and Geographical Information System, Peking University, *Estimating Clumping Index of Sparse Forests Using Hemispherical Photographs Integrated with WorldView-2 Images.*
- 1:25** Adam Mahood*, University of Colorado At Boulder, *Using Satellite Data to Gain Insight on Sagebrush Recovery in the Great Basin.*
- 1:30** Peng Zhao*, Institute of Remote Sensing and Geographic Information System, Peking University, China; Wenjie Fan, Institute of Remote Sensing and Geographic Information System, Peking University, China; Xiru Xu, Institute of Remote Sensing and Geographic Information System, Peking University, China; Yuan Liu, Institute of Remote Sensing and Geographic Information System, Peking University, China, *Study on Remote Sensing Model of FAPAR over Ragged Terrain.*
- 1:35** You Wan*, Wuhan University in China, *Trajectory pattern mining based on semantic intensity measurement.*
- 1:40** Dan Li*, *A Framework and Add-In Integrated Architecture for Geo-simulation Softwares.*
- 1:45** P. William Limpisathian*, Pennsylvania State University, *Shifting Gears: The Cartographic Implications and Opportunities of Recent Developments in Automotive GIS and Autonomous Vehicle Technologies.*
- 1:50** Fei Zhao*, Yunnan University, *Automatic Construction Mechanism of Thematic Symbol under the Aspect of Semiotics.*
- 1:55** Chuli Hu*, Faculty of Information Engineering, China University of Geosciences (Wuhan), Wuhan 430074, China; Jingyue Xu, National Research Center of Cultural Industries, Central China Normal University, Wuhan 430079, China; Qingfeng Quan, Faculty of Information Engineering, China University of Geosciences (Wuhan), Wuhan 430074, China, *An integrated observation capability information field for the collaborative planning of geospatial environment monitoring sensors.*

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- 2:00** Daniel Bishop*, Utah State University, *Blood Timber to Land Reform: Mapping Liberian forest cover to measure physical effects of natural resource policy change.*
- 2:05** Hai Hu*, WuHan University; Lian You, WuHan University; yanlan Wu, AnHui University; Xiaoyan Liao, Wuhan University, *A Global Modeling Method based on Geographical Distance Fields.*
- 2:10** Matthew Pietrus*, Northwestern University, *Mapping Narratives of Persecution: GIS and its Utility for Refugee Asylum Seekers.*
- 2:15** Anya Z. Butt*, Central College, *What comes after IntroGIS? Structuring a GIS sequence in non-geography majors.*
- 2:20** Xavier Delclòs*, Departament de Geografia - Universitat Autònoma de Barcelona; Carme Miralles-Guasch, Departament de Geografia - Universitat Autònoma de Barcelona; Oriol Marquet, Departament de Geografia - Universitat Autònoma de Barcelona; Guillem Vich, Departament de Geografia - Universitat Autònoma de Barcelona, *How well can we predict our daily travel time? Results from a personal tracking experiment conducted at the Autonomous University of Barcelona.*
- 2:25** Melinda Victoria Mann*, University of Alabama, *Spatial-Temporal Analysis of Crime on the University of Alabama Campus.*
- 2:30** Li Weisong*, China University of Geosciences, Wuhan, China, *Land use and land cover change and their driving forces in Wuhan Urban Agglomeration in the past 30years.*
- 2:35** Xiaolu Zhou*, Georgia Southern University; Chen Xu, University of Wyoming, *Investigating space-time patterns of near real time events extracted from Social Media Data.*
- 4483. Future pathways in energy geographies: a panel discussion with past EESG Chairs (Sponsored by Energy and Environment Specialty Group)**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Jennifer Baka, London School of Economics
 CHAIR(S): Jennifer Baka, London School of Economics
 Panelists: Barry D. Solomon, Michigan Technological University; Martin (Mike) J. Pasqualetti, Arizona State University; Scott Jiusto, Worcester Polytechnic Institute; Marilyn A. Brown, Georgia Institute of Technology
- 4484. Methods in Wrangling Big Spatial Data**
Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Patricia Frontiera, Social Sciences Data Lab (D-Lab)
1:20 Fei Hu*, George Mason University; Chaowei Yang, George Mason University, *High Performance parallel computing framework to support big climate data analysis.*
1:40 Chaowei Yang*, George Mason University, *Leveraging Spatiotemporal Computing to Advance Geographical Studies.*
2:00 Nik Gilroy*, University of Denver, *Development of a Native iOS Application and Python Scripts.*
2:20 Matthew T. Rice, Ph.D.*, George Mason University; Han Qin, George Mason University; Rebecca Rice, George Mason University; Ahmad O. Aburizaiza, George Mason University, *Geocrowdsourcing for Accessibility.*
2:40 Patricia Frontiera, PhD*, Social Sciences Data Lab (D-Lab); Andrew Q Chong, student, UC Berkeley ISchool, *Comparing an ArcGIS TIGER 2015 Geocoder with the Google Geocoding Service.*
- 4485. Predian Geographies of Danger (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Heather Merrill, Hamilton College; Lisa M. Hoffman, University of Washington
 CHAIR(S): Heather Merrill, Hamilton College
 Discussant(s): Gillian Hart, University of California, Berkeley; Richard A. Walker, University of California-Berkeley
 Panelists: Katharyne Mitchell, University of Washington; Shiloh R. Krupar, Georgetown University; Michael Watts, University Of California; Cindi Katz, CUNY Graduate Center
- 4486. Decentering the Frontier - Catch-all for dispossession or useful analytical concept?**
Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Frank Mueller, Universidade Federal do Rio de Janeiro - Rio de Janeiro; Maria Angela Backhouse, Friedrich Schiller University Jena
 CHAIR(S): Frank Mueller, Universidade Federal do Rio de Janeiro - Rio de Janeiro
1:20 Maria Angela Backhouse*, University of Jena, *The new frontier and primitive accumulation.*
1:40 Rachael Baker, Doctoral Candidate*, York University, Department of Geography, *Developing the Urban Frontier: Foreclosure, Urban Farms, and "Vacancy" in Detroit, Michigan.*
2:00 Frank I Mueller*, Universidade Federal do Rio de Janeiro - Rio de Janeiro, *The Pacification Frontier and the Military-Anthropology-Nexus. Insights from Rio de Janeiro.*
2:20 Sopheak Chann, PhD student*, Sydney University, *Examine Cartography and Unpacking the Construction of Cambodia's Resource Frontier.*
 Discussant(s): Alice Kelly, University of California, Berkeley
- 4487. Towards Hydrocitizenship: Connecting communities with multiple water issues**
Room: Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Graeme Lorenzo Evans, Middlesex University
 CHAIR(S): Graeme Lorenzo Evans, Middlesex University
 Introducer: Graeme Lorenzo Evans
1:40 Simon Arthur Read*, Middlesex University London, *Cinderella River, The River Lea and the rehabilitation of a utilitarian watercourse.*
2:00 Ozlem Edizel*, Dr, *Cultural Ecosystems Mapping in Hackney Wick&Fish Island and Walthamstow.*
2:20 Stephen Bottoms, Professor*, University of Manchester - Manchester, *HydroCitizenship in Shipley: Expanding the Liquid Collective?.*
2:40 Graeme Lorenzo Evans*, Middlesex University, *Creative engagement with urban water amenities - ecosystems or everyday water encounters.*
- 4488. Challenges and Opportunities in Field School Teaching and Learning II (Sponsored by Asian Geography Specialty Group, Geography Education Specialty Group)**
Room: Salon III, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Cameron Owens, University of Victoria; Aaron James Williams, University of Calgary
 CHAIR(S): Byron Miller, University of Calgary
 Panelists: Jeff David Loux, University of California; Cameron Owens, University of Victoria; Maral Sotoudehnia, University of Victoria; Donna Senese, University British Columbia Okanagan; Colleen C. Hiner, Texas State University; Ute Lehrer, York University; M. Troy Burnett, Mount Royal University

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Poster Sessions for Friday are located on pages 312-317.

- 4501. Why are we (t)here? Radical challenges to privilege and presence in the North-South encounter (1)**
Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Mark Griffiths, University of Oulu; Olivia Umurewa Rutazibwa, University of Portsmouth
 CHAIR(S): Olivia Umurewa Rutazibwa, University of Portsmouth
3:20 Jennifer C Mateer*, University of Victoria, *Embodied Research Obstacles: Body politics and researcher positionality*.
 Introducer: Amy Piedalue
3:40 Susmita Rishi*, University of Washington; Amy Piedalue, Department of Geography, University of Washington, *(Re)Placing the South in Post-Colonial Research*.
4:00 Mark Griffiths*, University of Oulu, *Not my skeletons: towards a heterogeneous conceptualisation of "the privileged western researcher"*.
4:20 Angela Easby*, University of Victoria, *Being of service in the South: Balancing the goals of participatory research with the reality of community needs*.
4:40 Alexandra Scherer, Dr*, University of Portsmouth; Alexandra Scherer, Dr, University of Portsmouth, *"My country's Chad? I was born in London": Young children's meaning making of transnational spaces and identities..*
- 4502. Finding Funding for Qualitative Research (Sponsored by Qualitative Research Specialty Group)**
Room: Golden Gate 2, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Daniel Trudeau, Macalester College; Jennifer Fluri, University of Colorado, Boulder
 CHAIR(S): Daniel Trudeau, Macalester College
 Discussant(s): Deborah G. Martin, Clark University
 Panelists: Katherine B. Hankins, Georgia State University; Christine Elizabeth Smith, University of Kentucky; Fernando J. Bosco, San Diego State University; Patricia Ehrkamp, University of Kentucky
- 4503. Symposium on Human Dynamics Research: Panel Session on Prospects and Challenges of Human Dynamics Research (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Shih-Lung Shaw, University of Tennessee; Daniel Z. Sui, The Ohio State University
 CHAIR(S): Shih-Lung Shaw, University of Tennessee
 Introducer: Shih-Lung Shaw
 Panelists: May Yuan, University of Texas - Dallas; Seth E. Spielman, University of Colorado; Ming-Hsiang Tsou, San Diego State University; Harvey J. Miller, The Ohio State University; Helen Couclelis, University of California, Santa Barbara; Daniel Z. Sui, The Ohio State University
- 4504. Economic Geography and Grand Challenges 4: Socio-technical Transitions (Sponsored by Energy and Environment Specialty Group, Economic Geography Specialty Group)**
Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Christian Binz, Harvard University; Teis Hansen, Department of Human Geography and CIRCLE, Lund University; Josephine V. Rekers, Lund University
 CHAIR(S): Josephine V. Rekers, Lund University
3:20 Christian Binz*, CIRCLE, Lund University; Lea Fuenfschilling, CIRCLE, Lund University, *Global socio-technical regimes? Comparing transition dynamics in the Chinese and Australian wastewater sector*.
3:40 Lars Coenen, CIRCLE, Lund University; Teis Hansen*, Department of Human Geography and CIRCLE, Lund University; Bernhard Truffer, EAWAG, *From path-dependence to path-shaping: institutional dynamics in regional transformation*.
- 4:00** Leire Urkidi*, University of the Basque Country; Eneko Garmendia, BC3; Ortzzi Akizu, University of the Basque Country; Iñaki Barcena, University of the Basque Country; Izaro Basurko, Ekologistak Martxan; Rosa Lago, University of the Basque Country; Martin Mantxo, Ekologistak Martxan, *Energy Transitions in the Global South: a Latin American Civil Society Approach*.
4:20 Caroline Boules*, George Mason University, *Climate Change and Water Governance in Tunisia*.
 Discussant(s): Josephine V. Rekers, Lund University
- 4505. Interdisciplinarity in Geography Education (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme)**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Geography Education
 CHAIR(S): Nathan L. McKinney, University of West Florida
3:20 Nicole Kong*, Purdue University Libraries, *Exploring the GIS learning pathway for humanities scholars*.
3:40 John Hasse, Ph.D.*, Rowan University; Robert Flanagan, Rowan University, *Prospects for a Geography Education Renaissance through a Strategic Alliance with Big History*.
4:00 Susan Powell*, UC Berkeley Library; Patricia Frontiera, PhD, Social Sciences Data Lab (D-Lab); Claudia Von Vacano, Digital Humanities at Berkeley, *Teaching the Geospatial for Digital Humanities*.
4:20 Alexandre Babak Hedjazi, PhD*, University of Geneva; Ashley C. Pilipiszyn*, University of Geneva, *Solution-based teaching within environmental sciences: A case study from Abu Dhabi, Geneva and Los Angeles*.
4:40 Nathan L. McKinney*, University of West Florida, *Lines of Platitude and Other Adventures in Traversing Disciplines: Case Studies in Introducing GIS to Students Outside of Geography*.
- 4506. Hipster Geographies: Socio-spatial practices, politics, and economies of one of culture's most maligned figures 1 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Ryan Burns, Temple University; Cristina Temenos, Northeastern University
 CHAIR(S): Ryan Burns, Temple University
3:20 Jason Alley*, Bucknell University, *The Hipster's Habitat*.
3:40 MyungIn Ji*, University of Kentucky, *Hipsters and Gentrification in Seoul*.
 Discussant(s): Phil Hubbard, University of Kent
- 4507. Re-scaling of Conservation: a Global Investigation into the Transformation of Conservation Practice 2**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Robin Roth, York University; Elizabeth Lunstrum, Department of Geography
 CHAIR(S): Robin Roth, York University
3:20 Megan Youdelis, PhD IV*, York University, *Controversial Conservation: Protest Against Private Development in Jasper National Park*.
3:40 Annina Helena Michel, M.Sc.*, University of Zurich, *Social and political Negotiations in a Swiss National Park Project*.
4:00 Jonathan Tardif*, York University, *Access Denied! The (Violent) Conquest of Cambodian Rural Spaces by Conservation NGOs*.
4:20 Leslie Acton*, Duke University, *Staking Claims: Emerging Practices of Territoriality in Bermuda and the Sargasso Sea*.

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Discussant(s): Elizabeth Lunstrum, Department of Geography

- 4508. Ethnic diversity, environment and climate change (1) (Sponsored by Cultural and Political Ecology Specialty Group, Ethnic Geography Specialty Group)**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Olivia Dun, University of Wollongong, NSW; Lesley M. Head, University Of Wollongong; Natascha Klocker, University of Wollongong
 CHAIR(S): Lesley M. Head, University Of Wollongong
 Introducer: Lesley M. Head
3:40 Cheryl Teelucksingh, PhD*, Ryerson University, *Diverse Environmentalism and Inclusivity in Toronto's Green Economy.*
4:00 Brandon Derman, PhD*, University of Washington, *Analyzing and mobilizing against Anthropocene harm within socio-ecological conjunctures: The NAACP Climate Justice Initiative.*
4:20 Gordon Waitt*, University of Wollongong, *Narratives of domestic water: gendered, classed and faithed Burmese migrant bodies at home.*
4:40 Olivia Dun, PhD*, University of Wollongong, NSW; Lesley M. Head, Prof., University Of Wollongong; Natascha Klocker*, University of Wollongong, *Nobody likes to be dismissed': exploring the agricultural and environmental knowledges of migrants in rural Australia.*
- 4509. Tracing Underground, Overlooked and Non-Human Spaces in the Digital World (Sponsored by Wine Specialty Group, Economic Geography Specialty Group, Communication Geography Specialty Group)**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Matthew Zook, University of Kentucky; Mark Graham, University of Oxford
 CHAIR(S): Matthew Zook, University of Kentucky
 Discussant(s): Matthew Zook, University of Kentucky
 Panelists: Mark Graham, University of Oxford; Jack Linchuan Qiu, Chinese University of Hong Kong; Kate Crawford, MIT/Microsoft Research; Annalee Newitz
- 4510. Youth Mappers University Consortium**
Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Patricia A. Solís, Texas Tech University
 CHAIR(S): Patricia A. Solís, Texas Tech University
 Discussant(s): Marie D. Price, George Washington University; Carrie Stokes, USAID
 Panelists: Patricia A. Solís, Texas Tech University; Guofeng Cao, Texas Tech University; Jamison F. Conley, West Virginia University; Brent McCusker, West Virginia University; Chad Austin Blevins, USAID
- 4511. The "Other" Side of the Bay: Contested Geographies of Oakland II**
Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Alex Werth, University of California - Berkeley; Erin McElroy, University of California - Santa Cruz; Eli Marienthal
 CHAIR(S): Andrea L. Miller, University of California - Davis
3:20 C.N.E. Corbin*, University of California - Berkeley, *Rendering Gentrification and Erasing Race in the West Oakland Specific Plan.*
3:40 Robin Balliger, PhD*, San Francisco Art Institute, *Artists, Urban Redevelopment, and Gentrification in 21st Century Oakland.*
4:00 Alex Werth*, University of California - Berkeley; Eli Marienthal, University of California - Berkeley, *Gentrification as a Grid of Meaning: On Bounding the Deserving Public of Oakland First Fridays.*
4:20 Alexandra Fine, Ph.D. Student*, University of California, Davis, *Let the Gay Sunshine In: From The White Horse to The Gangway, The Shifting Landscape of Bay Area*

Gay Bars.

Discussant(s): Andrea L. Miller, University of California - Davis

- 4512. The American Arctic: The United States as an Arctic Power in Science, Technology and Security - Featured Session (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group, Polar Geography Specialty Group)**
Room: Continental 2, Hilton Hotel, Ballroom Level (Panel Session)
 Organizers:
John Wertman, American Association of Geographers
Andrey N. Petrov, University of Northern Iowa
 Chair and Introduction: **John Wertman**, American Association of Geographers
 Speakers:
Andrey N. Petrov, University of Northern Iowa
Vice Admiral Charles Ray, United States Coast Guard
Fran Ulmer, US Arctic Research Commission
- 4513. Speed-Dating with an NSF Program Officer (Opportunity 3 of 3) (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Thomas J. Baerwald, National Science Foundation
 CHAIR(S): Thomas J. Baerwald, National Science Foundation
 Discussant(s): Holly M. Hapke, National Science Foundation; Sunil Narumalani, National Science Foundation; Thomas J. Baerwald, National Science Foundation
- 4514. Transforming Work in Mobile Worlds 2: Temporalities, Aspirations, Becoming (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 4, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Francis L. Collins, University of Auckland; David Bissell, The Australian National University
 CHAIR(S): David Bissell, The Australian National University
3:20 Mary Gilmartin*, Maynooth University; Dean Phelan, Maynooth University; Pablo Rojas Coppari, Maynooth University, *Lives in suspension: international students at work in Ireland.*
3:40 Roger Norum, University of Leeds; Anna Lipphardt*, Freiburg University, *Belaboured pioneers: Tracing the mobility trajectories and work-life arrangements of early-career artists and academics.*
4:00 Shanthi Robertson*, Institute for Culture and Society, Western Sydney University, *Disrupted Times: The Temporalities of Work for Asian Temporary Migrants in Australia.*
4:20 Francis L. Collins*, University of Auckland, *Time In The City: Migration And The Multiple Temporalities Of Aspiration And Urban Life.*
 Discussant(s): Rachel Silvey, U. of Toronto
- 4515. Transportation Futures, Energy, and Climate Change: Translating Research into Policy in California**
Room: Continental 5, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Deborah Salon, Arizona State University; Michael Kuby, Arizona State University
 CHAIR(S): Deborah Salon, Arizona State University
3:20 Daniel Sperling, University of California, Davis
- 4516. Progress in Human Geography Lecture**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Pauline McGuirk, University of Newcastle, NSW
 CHAIR(S): Susan M. Roberts, University Of Kentucky
 Introducer: Susan M. Roberts
3:25 Gillian Hart*, University of California, Berkeley, *Relational Comparison Revisited: Thinking through Interconnections.*

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- 4517. Smart + Sustainable? 4: Panel discussion**
Room: *Continental 7, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Andres Luque-Ayala, Durham University, UK; Alexander Aylett, National Institute for Scientific Research
 CHAIR(S): Alexander Aylett, National Institute for Scientific Research
 Panelists: Pamela Jean Robinson, Ryerson University; David Wachsmuth, New York University; Stephanie Pincetl, UCLA; Rob Raven, Utrecht University
- 4518. Bioaccumulation: Revaluing Life in the Anthropocene I**
Room: *Continental 8, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Elizabeth R. Johnson, University of Minnesota - Minneapolis; Helen Pritchard, Goldsmiths, University of London
 CHAIR(S): Helen Pritchard, Goldsmiths, University of London
 Introducer: Helen Pritchard
3:40 Elizabeth R. Johnson, PhD*, Hobart & William Smith Colleges, *Between the living and the dead: Locating value in the inspirational bioeconomy.*
4:00 Alex Blanchette*, Tufts University, *Off-Animals, Surplus Death, and Excess Biovalue on the American "Factory" Farm.*
4:20 Stephanie Wakefield, City University of New York Graduate Center*, CUNY Graduate Center, *Oysters to the Rescue? 'Living Infrastructure', Measure, and the Equivalence of Catastrophes.*
 Discussant(s): Mazen Labban
- 4519. Contemporary Perspectives on Urban Inequality-II: Income Divide and Race/Ethnicity (Sponsored by Population Specialty Group, Economic Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: *Continental 9, Hilton Hotel, Ballroom Level* (Paper Session)
 ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Michael D. Webb, University of North Carolina at Chapel Hill
 CHAIR(S): Michael D. Webb, University of North Carolina at Chapel Hill
3:20 Rachel S. Franklin*, Brown University, *Concentrated Decline: Patterns of Population Loss in Shrinking U.S. Cities.*
3:40 Sonia D. Lehman-Frisch, Pr.*, University of Paris Ouest-Nanterre, *Questioning the geographies of (income) inequality: the case of San Francisco.*
4:00 Virginia Parks*, Occidental College, *Uneven Inequality: The Racial Wage Gap from Recession through Recovery.*
4:20 Dirk Kinsey*, Portland State University, *Chasing the problem, rebuilding the village: Youth and Gang violence policy and the suburbanization of poverty in Portland's periphery.*
4:40 Madhuri Sharma*, University of Tennessee, Knoxville, *Moving Forward or Backward? The Rich, the Not-so-Rich and the Poor in the American Southeast: 2000-2007-2011.*
- 4524. Special Session on Disruptive Innovation and the War on Drugs (cont) (Sponsored by Military Geography Specialty Group, Rural Geography Specialty Group, Development Geographies Specialty Group)**
Room: *Imperial A, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Allison Brown, Tuscarora International; Andrew Millington, Flinders University
 CHAIR(S): Allison Brown, Tuscarora International
 Introducer: Andrew Millington
 Discussant(s): Stewart Williams, University of Tasmania; Allison Brown, Tuscarora International; Christopher Fuhrman, University of Utah
- 4526. Create Web Maps and Apps with your Work (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite A, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Mark Revell, American Association of Geographers; Daniel McGlone, Azavea
 CHAIR(S): Daniel McGlone, Azavea
3:20 Daniel McGlone, Azavea
4:10 Tyler Adam Dahlberg, Azavea
- 4527. Career Strategy Series #3: Interviewing for Employment (Sponsored by AAG Jobs and Careers Theme)**
Room: *Yosemite B, Hilton Hotel, Ballroom Level* (Panel Session)
 ORGANIZER(S): Niem Huynh, American Association of Geographers
 CHAIR(S): Niem Huynh, American Association of Geographers
- 4528. Legacies of Black Feminisms (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): LaToya Eaves, Florida International University; Pavithra Vasudevan, University of North Carolina, Chapel Hill
 CHAIR(S): LaToya Eaves, Florida International University
3:20 Devin Oliver*, eUniversity of Texas - Austin - Austin, TX, *"We need to be alive in order to marry": Black LGBT Youth and Geographies of Violence in Rio de Janeiro, Brazil.*
3:40 Ebony B. Rose, Doctoral Student*, University of Illinois - Chicago, *Afro-Stasis: Understanding the Necro(Bio) Political Collaboration in the (a) Creation of the Carceralization of Black Life/Death.*
4:00 Omawu Diane Enobabor*, Florida International University, *Towards a Black Feminist Geopolitics: Embodied Black Politics of Quisqueya.*
4:20 Celeste Winston*, The Graduate Center, CUNY, *Racial Policing and Maroon Futures.*
4:40 denisse andrade*, The Graduate Center, CUNY, *The Purpose of Our Writing is to Create the Nation.*
- 4529. Quality of Life, Livability and Sustainability of Communities, Urban, or Place (Sponsored by Urban Geography Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Sunhui Sim, University of North Alabama
 CHAIR(S): Sunhui Sim, University of North Alabama
3:20 Jonghyun Baik*, University of North Alabama; Sunhui Sim, University of North Alabama, *Evaluation of the urbanized-level in south-eastern states in the US using urban feature index.*
3:40 Sunhui Sim*, University of North Alabama; Jonghyun Baik, University of North Alabama, *A comparative study of American cities and towns: A perspective on urban livability.*
4:00 Zvika Kanonich*, *Landscape Architecture As Lever For Improving The Quality Of Life Of The Mentally Ill At Mental Health Centers.*
4:20 Xiang Ye*, University at Buffalo; Jeon-Young Kang, University at Buffalo; Siyuan Wang, University at Buffalo, *Developing an Infrastructure Suitability Index (ISI) to Evaluate the Performance of a Freeway System.*
- 4530. Spatial Inequality, Sustainability and Policy in China and Asia IV: City (Sponsored by China Specialty Group, Asian Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Yehua Dennis Wei, University of Utah; David W. Edgington, University Of British Columbia
 CHAIR(S): Haifeng LIAO, University of Idaho
3:20 Xingjian Liu*, University of Hong Kong, *Measuring*

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- polycentric urban China at multiple scales.*
- 3:40** Ling Zhang*, University of Utah, *Spatial Inequality and Dynamics of Foreign Hypermarket Retailers in China.*
- 4:00** Yuanyuan Teng*, Tohoku University; Satoru MASUDA, Tohoku University, *Residential Segregation in China's New Towns: Evidence from Nanchang Honggutan New District.*
- 4:20** Ceren Ergenc*, Middle East Technical University, *"Don't buy the house, buy the neighborhood" Spatial Inequality and Social Respectability in Urban China.*
- 4:40** Li Yu*, University of Lethbridge; Wei Xu, University of Lethbridge, *Housing the urban poor in China.*
- 4531. America's Best Idea? The National Park Service 1916-2016 Session II: Issues and Prospects (Sponsored by Recreation, Tourism, and Sport Specialty Group, History of Geography Specialty Group, Cultural Geography Specialty Group)**
- Room:* Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Yolonda Youngs, Idaho State University; William Wyckoff, Montana State University
CHAIR(S): Yolonda Youngs, Idaho State University
- 3:20** James E. Meacham*, University of Oregon; W. Andrew Marcus, University of Oregon; Alethea Y. Steingisser, University of Oregon, *Yellowstone, Not Jellystone: The Atlas of Yellowstone Takes Readers Beyond the Caricature in a Deeper Exploration of the Nature and Value of America's First National Park.*
- 3:40** Yolonda Youngs*, Idaho State University, *With Your Safety and Comfort in Mind: Boats and the Development of Commercial River Guiding in Grand Teton National Park, Wyoming.*
- 4:00** Langdon Smith*, Slippery Rock University; Laura Karosic; Elizabeth Smith, *Greening U.S. National Parks: Expanding Traditional Roles to Address Climate Change.*
- 4:20** John H. Kelly*, University of Wisconsin - La Crosse, *The Community-scale Protected Area as an Instrument of Conservation and Development in Biosphere Reserve Zones of Tropical Latin America.*
- Discussant(s): Randall K. Wilson, Gettysburg College
- 4532. Urbanization, Informality and Health in Africa (Sponsored by Africa Specialty Group)**
- Room:* Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Raymond Asare Tutu, Delaware State University; Godwin Arku, The University of Western Ontario; Joseph Terzungwe Zume, Shippensburg University
CHAIR(S): David R. Rain, The George Washington University
- 3:20** Chinyere Beatrice Egwuogu, Ph.D*, Tai Solarin University of Education, Ijebu-Ode, Nigeria, *Urbanization and the Problem of Health Information Dissemination in Developing Countries.*
- 3:40** Jutta Gutberlet*, Department of Geography, University of Victoria, Canada; Michael Oloko, Jaramogi Oginga Odinga University of Science & Technology, Kenya; Patrik Zapata, School of Public Administration, University of Gothenburg, Sweden; María José Zapata Campos, IOA, Copenhagen Business School & GRI, University of Gothenburg, Sweden; Jaan-Henrik Kain, Chalmers University, Sweden, *Where the skip used to be. Informal settlements, the city, and waste management in Kisumu, Kenya.*
- 4:00** Mamadou Y S Coulibaly*, University of Wisconsin Oshkosh, *Urban Flood Risks in Developing Countries: A simple and systematic approach for identifying flood prone areas and ranking vulnerability.*
- 4:20** David R. Rain*, The George Washington University, *Measuring the Social and Health Impacts of Municipal and Human Waste in a Nairobi Informal Settlement.*
- 4533. Energy Transitions II: Society (Sponsored by Energy and Environment Specialty Group)**
- Room:* Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Michael Minn, University of Illinois
CHAIR(S): Michael Minn, University of Illinois
- 3:20** Ali Adil*, University of Texas - Arlington, *From vulnerability to resilience: A theoretical framework for resilient energy systems based on socio-technical and socio-ecological perspectives.*
- 3:40** Kerry McGowan*, University of Richmond, *Can Solar Really Make it in Mexico? A Socio-Cultural Analysis.*
- 4:00** Sarah McCall*, University of Denver, *The Political Economy of Energy Development in Nicaragua.*
- 4:20** Deepti Chatti*, Yale University, *Political ecology of household energy: Gender, caste, class, and cookstoves in rural India.*
- 4:40** Graeme Sherriff*, University of Salford, *People say 'Have you had the heating on?' - Experiences of Retrofit in Greater Manchester.*
- 4534. Hazards and Change**
- Room:* Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Hans Adam, NMBU
- 3:20** Sean G Young, MA*, University of Iowa; Margaret Carrel, PhD, University of Iowa; Andrew Kitchen, PhD, University of Iowa; Ghazi Kayali, PhD, MPH, St. Jude Children's Research Hospital, *The 11th Egyptian Plague: Landscape Genetics of Avian Influenza in Egyptian Poultry.*
- 3:40** Jennifer A. Miller*, University of Texas at Austin, *Using movement parameters to characterize dynamic interactions in wildlife: a null model approach.*
- 4:00** Annaliese Catherine Heinicke, Undergraduate Geography Student*, St. Cloud State University, *Of Moose and Men: A Geographical Synthesis Towards Understanding the Declining Moose Population in Minnesota.*
- 4:20** Brian Petersen, PhD*, Northern Arizona Univ., *Climate Change and Wilderness: Implications for Ideological and Management Debates.*
- 4:40** Hans Adam, PhD*, NMBU, *Adaptation trajectories and challenges in Attappady, south India.*
- 4537. China's Transportation Systems II: High-Speed Rail (Sponsored by China Specialty Group, Transportation Geography Specialty Group)**
- Room:* Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Enru Wang, University of North Dakota
CHAIR(S): Kingsley E. Haynes, George Mason University
- 3:20** Wei Xia*, The Center For Modern Chinese City Studies, East China Normal University; Liehui Wang, The Center For Modern Chinese City Studies, East China Normal University, *The Evolution of China's Passenger Rail Network during 2007-2014.*
- 3:40** Chiming Guan*, Southeast University, China; Yuling Zhang, Southeast University; Qiqi Ma, Southeast University, *The Impact of High Speed Rail on Regional Urbanization.*
- 4:00** Mengmeng Zhang*, Chinese University of Hong Kong; Xiaochen Meng, *The impact of high-speed railway on Chinese urban system structure.*
- 4:20** Zhenhua Chen, University of Southern California; Junbo Xue, Chinese Academy of Sciences; Adam Rose, University of Southern California; Kingsley E. Haynes*, George Mason University, *The Impact of High-Speed Rail Investment on Economic and Environmental Change in China: A Dynamic CGE Analysis.*
- 4:40** Jiajia Cheng*, Institute of Geographical Sciences and Natural Resources Research; CHENGJIN WANG, *Transport Dominance Evolution and the Coupling*

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Relationship with Social Economy in Northwest China from 1988 to 2030.

4538. Environmental Challenges and Sustainable Development in China II (Sponsored by China Specialty Group)

- Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Charlie Haifeng Zhang, University of Louisville
 3:20 Yi Sun*, Institute of Policy and Management, CAS, *The impact of carbon emission mitigation on China's regional differentiation.*
 3:40 Jianbao Li, PhD*, College of Geography and Oceanography Sciences, Nanjing University, Nanjing, Jiangsu, China; Xianjin Huang, professor, College of Geography and Oceanography Sciences, Nanjing University, Nanjing, Jiangsu, China, *Spatial characteristics and influencing factors of China's carbon dioxide emissions.*
 4:00 WEI LU*, Wuhan University; Tinghua Ai, Wuhan University, *Interactive Mapping of Ambient Air Quality of Cities in China.*
 4:20 Gang He*, Department of Technology and Society/Stony Brook University, *The potential for wind and solar complementary in China.*
 4:40 Charlie Haifeng Zhang, Ph.D.*, University of Louisville; Xiaohong Chen, Harbin Normal University; Zhaohai Wang, Shandong Normal University, *Mapping Urban Sprawl in Chinese Cities: Impacts on Economic Growth and Air Quality.*

4539. Sanitation Inadequacy 1: Beyond Poverty and Preferences (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

- Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Richa Dhanju, Texas A&M University
 CHAIR(S): Kathleen Mary O'Reilly, Texas A&M University
 3:20 Angela Oberg*, Rutgers University, *The gap between infrastructure and service delivery is wider than a toilet.*
 3:40 Ashley Coles*, Georgia Southern University, *Information and infrastructure: overcoming the challenges of community-managed water and sanitation in peri-urban Cali, Colombia.*
 4:00 Giacomo Galli*, Wageningen University, *The 'projectisation' of sanitation: cases from Gemena, Democratic Republic of Congo.*
 4:20 Kathleen Mary O'Reilly, Texas A&M University; Richa Dhanju*, Texas A&M University; Abhineety Goel, Independent Scholar, *Exploring "the remote" and "the rural": Spaces of open defecation in Uttarakhand, India.*

4540. Authors Meets Critics: Timothy Stewart-Winter's "Queer Clout: Chicago and the Rise of Gay Politics" (Sponsored by Sexuality and Space Specialty Group)

- Room: Union Square 13, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): David K. Seitz, University of Toronto
 CHAIR(S): Rinaldo Walcott
 Discussant(s): Timothy Stewart-Winter, Rutgers University-Newark
 Panelists: Alex George Papadopoulos, DePaul University; Lawrence Knopp, University of Washington Tacoma; Heidi J. Nast, DePaul University; Rashad Shabazz, The University of Vermont

4541. Towards a Research Agenda for Tourism Geography (II) (Sponsored by Recreation, Tourism, and Sport Specialty Group)

- Room: Union Square 14, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Alan A. Lew, Northern Arizona University; Dieter K. Müller, Umeå University
 CHAIR(S): Regina Scheyvens, Massey University

Panelists: Remy Tremblay, Université Du Québec - TELUQ; Andreas Kagermeier, Trier University; Kevin Hannam, Edinburgh Napier University; Honggang Xu, Sun Yat-sen University; Alan A. Lew, Northern Arizona University

4542. Narratives on Space and Place

- Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Jyoti Gupta, Vanderbilt University
 3:20 Lajos Boros*, University of Szeged, *Diversity or homogeneity? The production of public spaces in Budapest, Hungary.*
 3:40 Tom Howard*, University of British Columbia, *Hegemony in the Post-Political City: Some Gramscian Reflections on Urban Policy, Sustainability, and Post-Politics.*
 4:00 Jyoti Gupta*, Vanderbilt University, *Rose is not an approved color: The politics of place meaning and making in a gentrifying neighborhood.*
 4:20 Kristina McNamara*, Colgate University, *Defining Environmental Justice in Developing Nations: A Case Study of the Goat Islands, Jamaica.*

4543. Variegated governance of industry 1 (Sponsored by Regional Development and Planning Specialty Group, Development Geographies Specialty Group, Economic Geography Specialty Group)

- Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Glen Norcliffe, York University; Boyang Gao, Central University of Finance and Economics
 CHAIR(S): Boyang Gao, Central University of Finance and Economics
 3:20 Glen Norcliffe*, York University; Boyang Gao, Dr. Central University of Finance and Economics, *Variegated Governance of Industry in the Neoliberal Age.*
 3:40 David Sweeting*, University of Bristol, UK; Robin Hambleton, University of the West of England, Bristol, *Directly elected mayors: can they make a difference?.*
 4:00 Jung-Ying Chang*, National Taipei University, *The "Actually Existing" Creative City: Governance Dilemma of Authentic Urban Space.*
 4:20 Joshua D Shake*, University of Michigan, *After the policy transfer happens: governance and participatory budgeting in Chicago.*
 Discussant(s): John Holmes, Queen's University

4544. Advances in Remote Sensing and Statistical Techniques for Detecting Anthropogenic Impacts in Grassland Ecosystems (Sponsored by Remote Sensing Specialty Group, Human Dimensions of Global Change Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): J.M. Shawn Hutchinson, Department of Geography, Kansas State University; Anne Jacquin, INRA
 CHAIR(S): J.M. Shawn Hutchinson, Department of Geography, Kansas State University
 3:20 Anne Jacquin*, INRA; Antoine Roumigué, INRA; Grégoire Sigel, AIRBUS Defense & Space; Hervé Poilvé, AIRBUS Defense & Space; Bruno Bouchard, Céremade - Université Paris Dauphine, *Investigation of a satellite-based production efficiency model to improve an Index-Based grassland insurance product.*
 3:40 Sydney M. Firmin*, University of Denver; Rebecca L. Powell, Ph.D., University of Denver, *Prairies and Plovers: Assessing the impact of temporal resolution on stable carbon isoscapes in mixed grasslands.*
 4:00 Yichun Xie*, Eastern Michigan University, *Exploring coupled climate and socioeconomic impacts on dynamics of grasslands over multiple spatiotemporal scales.*
 4:20 Travis B. Poitras*, USGS Western Geographic Science

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Center, Menlo Park, CA; Miguel Villarreal, USGS Western Geographic Science Center, Menlo Park, CA; Michael Duniway, USGS Southwest Biological Science Center, Moab, UT; Travis Nauman, USGS Southwest Biological Science Center, Moab, UT, *Remote sensing and spatiotemporal analysis of patterns of recovery from oil and gas development on the Colorado Plateau.*

- 4:40** J.M. Shawn Hutchinson*, Department of Geography, Kansas State University; Anne Jacquin, Université de Toulouse, INPT, Ecole d'Ingénieurs de Purpan; Bryanna Pockrandt, Department of Geography, Kansas State University; Stacy L Hutchinson, Department of Biological and Agricultural Engineering, Kansas State University, *Time Series Analysis of Vegetation Phenometrics for Military and Non-Military Lands using Moderate Resolution Satellite Imagery.*

4545. GPOW Subconference I: Feminist Methodology Meets the Impact Agenda (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Union Square 18, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Amelia Schubert, University of Colorado
 CHAIR(S): Leslie Kern, Mount Allison University
 Panelists: Leslie Kern, Mount Allison University; Heather McLean, University of Glasgow; Amelia Schubert, University of Colorado; Tamar Y. Rothenberg, Bronx Community College of the City University of New York

4546. Map and Spatial Pattern Comparison I (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Jed Long, University of St Andrews; Colin Robertson, Wilfrid Laurier University
 CHAIR(S): Jed Long, University of St Andrews
3:20 Colin Robertson*, Wilfrid Laurier University; Jed A Long, PhD, University of St. Andrews, *You say patchy, I say clumpy: why is comparing spatial patterns difficult?.*
3:40 Steven Andrew Roberts, PhD*, Wilfrid Laurier University, *A Shape Based Local Indicator Of Spatial Association Measure For Maritime Anomaly Detection.*
4:00 Johannes De Groeve, Mr.*, Ghent University; Nico Van de Weghe, Prof.Dr., Ghent University; Nathan Ranc, Mr., Harvard University, Fondazione Edmund Mach; Tijs Neutens, Dr., Ghent University; Lino Ometto, Dr., Fondazione Edmund Mach; Omar Rota-Stabelli, Dr., Fondazione Edmund Mach; Francesca Cagnacci, Dr., Fondazione Edmund Mach, *Extracting similar movement patterns in animal trajectories using sequence analysis methods.*
4:20 Andy Stock*, Stanford University; Fiorenza Micheli, Stanford University, *Effects of model assumptions and data quality on cumulative human impact maps.*
4:40 Fahui Wang*, Louisiana State University; Yujie Hu, Louisiana State University; Shuai Wang, Capital Normal University, Beijing; Xiaojuan Li, Capital Normal University, Beijing, *Local Indicator of Colocation Quotient with a Statistical Significance Test: Examining Spatial Association of Crime and Facilities.*

4547. J. X. Kasperson Student Paper Award Session (Sponsored by Hazards, Risks, and Disasters Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Laura Kathryn Siebeneck, University of North Texas
 CHAIR(S): Laura Kathryn Siebeneck, University of North Texas
3:20 Nicole E. Callais*, The University of Southern Mississippi - Geoinformatics and Hazards Research Laboratory; Bandana Kar, Associate Professor, The University of Southern Mississippi - Geoinformatics and Hazards

Research Laboratory; David Cochran, Associate Professor, The University of Southern Mississippi - Geoinformatics and Hazards Research Laboratory; George Raber, Associate Professor, The University of Southern Mississippi; Bret Blackmon, Assistant Professor, The University of Southern Mississippi, *The Invisible People of the Invisible Coast: The Resilience of People Experiencing Homelessness to Disasters on the Alabama, Louisiana, and Mississippi Gulf Coasts.*

- 3:40** Nathan Frey*, Pennsylvania State University, *Historical Development of Hazard Vulnerability on Staten Island's East Shore.*

4:00 Amanda L. Fencel*, Geography Graduate Group and Center for Environmental Policy and Behavior, UC Davis; Julia Ekstrom, PhD, Policy Institute for Energy, the Environment and the Economy, UC Davis; Mark Lubell, PhD, Center for Environmental Policy and Behavior, Department of Environmental Science and Policy, UC Davis, *Drought Resilience among California's Drinking Water Systems.*

- 4:20** Lauren Land*, Louisiana Sea Grant at LSU, *Participation and Resilience Indicators for Ports.*

4:40 Michelle A Ritchie*, Binghamton University, *Coastal Resilience and Beach Stability Studies: A Connecticut Case Study.*

4548. [Spatiotemporal Symposium] Time Geography: New Challenges and Opportunities (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Hongbo Yu, Oklahoma State University; Kajsa Ellegård, Linköping University; Shih-Lung Shaw, University of Tennessee
 CHAIR(S): Hongbo Yu, Oklahoma State University
3:20 Hanna Maria Paulina Carlsson, Ma (Hons) Human Geography*, Utrecht University, *A time-geographic analysis of the daily mobility patterns of the visually impaired.*
3:40 Kristina Trygg*, Linköping University; Helena Köhler, Linköping University, *Mapping the complexity of everyday life - experiences of using time-diaries in qualitative studies..*
4:00 Zidan Mao*, Utrecht University; Mei-Po Kwan, University of Illinois at Urbana-Champaign; Dick Ettema, Utrecht University; Martin Dijst, Utrecht University, *The interaction between activity participation and activity space of commuters in Beijing: exploring the influence of multimodal behavior.*
4:20 Qinyue Pan*, Oklahoma State University; Hongbo Yu, Oklahoma State University, *A Time-geographic Approach to Investigate Gender Difference in Accessing Employment Opportunities in a Metropolitan Area.*
4:40 Haizhong Qian*, Zhengzhou Institute of Surveying and Mapping; Texas State University; Yongmei Lu, Texas State University, *A dynamic method to extract trajectory and activity patterns from GPS data.*

4549. Teaching Web and Mobile GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Union Square 22, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Jennifer N. Swift, University of Southern California; Daniel Goldberg, Texas A&M University; Wei Yang, University of Southern California
 CHAIR(S): Jennifer N. Swift, University of Southern California
 Introducer: Karen Kemp
 Discussant(s): Daniel Goldberg, Texas A&M University; Chuanrong Zhang, University of Connecticut, Department of Geography

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- Panelists: Keith C. Clarke, University Of California, Santa Barbara; Eric Shook, Kent State University; Jennifer N. Swift, University of Southern California; James Thatcher, University of Washington - Tacoma; Pinde Fu, Esri
- Washington; Richard White, Sheffield Hallam University
- 4550. The Interior in Social-Ecological Systems 2: Resilience, Quality of Life, and Empathy (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
- Room:* Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Julia Haggerty, Montana State Univ; Hannah Gosnell, Oregon State University
 CHAIR(S): Julia Haggerty, Montana State Univ
 3:20 Lissy Goralnik*, Oregon State University, *Socio-ecological Resilience Education, Empathy, and Sense of Place.*
 3:40 David Leo Kelly*, Deakin University, *The Problem of the Good Life: affective geographies of development in Broome, Western Australia.*
 4:00 Juha Kotilainen*, University of Eastern Finland, *Resilience of Resource Communities: Between Industrial Policies, Environmental Politics and Development Expectations.*
 4:20 Sara Bolduc, Ph.D. Candidate*, University of Hawaii, Department of Urban and Regional Planning, *Inclusiveness in Environmental Governance: A Study of Watershed Partnerships in Hawai'i.*
 Discussant(s): Jesse Abrams, University of Oregon
- 4551. The Geography of Entrepreneurship and its Ecosystems - II (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group, Business Geography Specialty Group)**
- Room:* Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Haifeng Qian, University of Iowa; Elizabeth Mack, Arizona State University; Heike Mayer
 CHAIR(S): Elizabeth Mack, Arizona State University
 3:20 Benjamin Spigel*, University of Edinburgh Business School; Tara Vinodrai, PhD, University of Waterloo, *Blossom or rot: Anchor Firm Collapse, Entrepreneurship, and Labour Market Effects.*
 3:38 Nicolas Friederici*, Oxford Internet Institute, *The Social Structure of Entrepreneurial Ecosystems in Africa: Innovation Hubs and Fluidly Bounded Communities.*
 3:56 Tim Vorley, Professor*, University of Sheffield; Nick Williams, Associate Professor, University of Leeds; Chay Brooks, Lecturer, University of Sheffield, *Understanding the Role of Anchor Institutions in Entrepreneurial Ecosystems: An Institutional Perspective.*
 4:14 Hilary Chart*, Stanford University, *The Transatlantic Trade in Black Masculinities: Christian Business Discourses from the Americas to Botswana.*
 4:32 Haifeng Qian*, University of Iowa; Xin Yao, University of Colorado, *Anchor University and College-Town Entrepreneurial Ecosystems.*
 Discussant(s): Yasuyuki Motoyama, Ewing Marion Kauffman Foundation
- 4552. Vegan Geographies (Sponsored by Animal Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)**
- Room:* Mason B, Hilton Hotel, 6th Floor (Panel Session)
 ORGANIZER(S): Simon Springer, University of Victoria; Ophélie Electre Véron; Richard White, Sheffield Hallam University
 CHAIR(S): Simon Springer, University of Victoria
 Introducer: Simon Springer
 Panelists: Ophélie Electre Véron; Anthony Levenda, Portland State University; Heather Rosenfeld, University of Wisconsin - Madison; Paul Hodge, University of Newcastle; Kathryn Gillespie, University of
- 4553. Geographies of Media XVII: Muscapes and Spaces of Music (2) (Sponsored by Communication Geography Specialty Group)**
- Room:* Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Laura Sharp, University of Arizona
 CHAIR(S): Laura Sharp, University of Arizona
 3:20 Jack Chovanes*, Undergraduate at West Chester University, *The global variation of pop music.*
 3:40 Noelia Mercedes García*, University of Puerto Rico, Río Piedras Campus; Roberto E Morales, M.A., San Juan Bay Estuary Program, *Through music and sound: experience of place and ecological identity in Culebra.*
 4:00 Alejandro Mercado-Celis*, Universidad Autonoma Metropolitana, *Transborder music networks. The case of San Diego-Tijuana region..*
 4:20 SayedAli Mostolizadeh*, University of Waterloo, *The rhythm of resistance: Narrative of war, displacement, and resistance in Yarmouk refugee camp.*
 Discussant(s): Lacin Tutarlar, University of Kentucky
- 4554. Issues in Ethnic Geography II (Sponsored by Ethnic Geography Specialty Group)**
- Room:* Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Stavros T. Constantinou, Ohio State University; Carlos Teixeira, University of British Columbia Okanagan
 CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan
 3:20 Kathryn Wright*, University of Colorado, Boulder, *Integration and the migration-development nexus: Senegalese migrants' engagement with "development" in Harlem and Denver.*
 3:40 James Chaney*, Middle Tennessee State University, *The Settlement and Integration of Somali Refugees in Nashville, Tennessee.*
 4:00 Paul N. McDaniel*, Kennesaw State University; Jacqueline A. Housel, Sinclair Community College; Colleen Q. Saxen, Kozmetsky Global Collaboratory, Stanford University; Tom Wahlrab, Welcome Dayton, *Processes of Receptivity and Place-Making Practices for Immigrant Integration in a "Welcoming City": The Case of Dayton, Ohio.*
 4:20 John Ponstingel*, Binghamton University; John Ponstingel, Binghamton University, *Filipinos and Asian Indians in Jersey City, New Jersey.*
 4:40 Pablo S. Bose*, University of Vermont, *Refugees and Resettlement in Small Town USA.*
- 4555. New geographies and spatialities of war and political violence IV (Sponsored by Political Geography Specialty Group, Military Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
- Room:* Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Steven M. Radil, University of Idaho; Andrew Martin Linke, University of Utah
 CHAIR(S): Steven M. Radil, University of Idaho
 3:20 Amy Ross*, University Of Georgia, Athens, *Just Killing: Army ROTC and the Laws of War.*
 3:40 Barney Warf*, University of Kansas; Emily Fekete*, Oklahoma State University, *Relational Geographies of Cyberterrorism and Cyberwar.*
 4:00 Adam Moore*, UCLA, *The hidden geographies of labor activism at overseas U.S. military bases.*
 4:20 Ann Laudati*, University of Bristol, *Accumulating Insecurities: Rethinking and relinking natural resource violence in eastern Democratic Republic of Congo.*
 Discussant(s): Steven M. Radil, University of Idaho

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- 4556. Food Across Borders: Production, Consumption, and Boundary Crossing in North America (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group, Geographies of Food and Agriculture Specialty Group)**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Laura-Anne Minkoff-Zern, Syracuse University, Department of Public Health, Food Studies, and Nutrition
 CHAIR(S): Don Mitchell, Syracuse University
3:20 Michael Wise, Assistant Professor of History*, University of North Texas, *The Place that Feeds You: Allotment and the Struggle for Blackfeet Food Sovereignty*.
3:40 Kellen Backer*, Syracuse University, *Borders and the Limits of Logistics and Standardization: The Quartermaster Corps and Food Provisioning in World War II*.
4:00 Laura-Anne Minkoff-Zern*, Syracuse University, Department of Public Health, Food Studies, and Nutrition, *Crossing Borders, Overcoming Boundaries: Latino Immigrant Farmers And a New Sense of Home in The United States*.
4:20 Marygold Walsh-Dille, PhD*, University of New Mexico, *(Re)Producing Ethnic Difference: Solidarity Trade, Indigeneity, and Colonialism in the Global Quinoa Boom*.
 Discussant(s): Don Mitchell, Syracuse University
- 4557. Global Art Worlds and a World of Cities 2 (Sponsored by Graduate Student Affinity Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Murray Mckenzie; Yueming Zhang, Clark University
 CHAIR(S): Murray Mckenzie
3:20 Julie Ren, PhD*, City University of Hong Kong; Martin Fuller, PhD, Technische Universität Berlin, *Proximity, Art Openings and Potentiality*.
3:40 Olgierd Andrzej Nitka*, The University of Hong Kong, *The scaling effect of Art Basel*.
4:00 Yueming Zhang*, Clark University, *Art Meets Urban in the Postcolonial Asia: A Case Study of "Hotel Asia Project"*.
4:20 Dylan Fahoome*, DePaul University, *Representing Global Subjects and Normalizing Inequality in Contemporary Drama: Behind the Beautiful Forever and The World of Extreme Happiness*.
 Discussant(s): Harriet Hawkins, Royal Holloway, University of London
- 4558. Governing Extraction/ Experiencing Extraction I: Shale Gas (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Heather Plumridge Bedi, Dickinson College; Amanda Wooden, Bucknell University
 CHAIR(S): Amanda Wooden, Bucknell University
3:20 Thomas Loder*, Texas A&M University, *Exploring the Opinions of Longer-Term Residents Regarding Hydraulic Fracturing and Economic Development in the Bakken Shale, North Dakota*.
3:40 Amanda E Wooden*, Bucknell University, *Fractured Activism: Place Politics and Nationalistic Narratives in Central Pennsylvanian Shale Gas Drilling Discourses*.
4:00 Heather Plumridge Bedi, PhD*, Dickinson College, *Pipeline Perils in Pennsylvania: Contested Shale Gas Fracking and Transportation*.
4:20 Karen Edelstein*, FracTracker Alliance; Kyle Ferrar, FracTracker Alliance, *Oil and Gas Extraction: at what costs to communities?*.
4:40 Vicki Oppenheim*, University of North Texas, Geography Department; Matthew Fry, Ph.D., University of North Texas, Geography Department; Myungsup Kim, Ph.D., University of North Texas, Economics Department; Murray Rice, Ph.D., University of North Texas, Geography Department; Jeffrey Rous, Ph.D., University of North Texas, Economics Department; Chetan Tiwari, Ph.D., University of North Texas, Geography Department, *A Preliminary Analysis of Gas Well Density and Socioeconomic Variables in the City of Denton, Texas*.
- 4559. Other cartographies, other geographies, other voices 2 (Sponsored by Cartography Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Janet Speake, Liverpool Hope University
 CHAIR(S): Janet Speake, Liverpool Hope University
3:20 Benjamin D. Hennig*, University of Oxford, *A Social Atlas of Europe*.
3:40 Lars Brabyn, Dr*, University of Waikato, New Zealand, *Representing Landscape Experience Using a New Metric for Combining Space and Time*.
4:00 Christopher Lukinbeal*, University of Arizona, *Scale: (Dis)embodiment, Possession, and Alienation*.
4:20 Kamil M Geronimo, BA*, University of Puerto Rico, *An Atlas of Puertorrican Cooperatives: A Historic-Spatial Study*.
4:40 Matthew J. Miller*, University of Southern California, *Visualizing the Entrepreneurial Ecosystem for African Americans - Learning from Los Angeles*.
- 4560. Sites and Scales of Animal Geographies**
Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kim Ward
3:20 Nick Bergmann*, Montana State University, *Bounding Wildlife: Mobile Nature, Applied Ecology, and the Montana Department of Fish and Game in the Yellowstone River Basin, 1972-1978*.
3:40 Noel Hawkins*, Simon Fraser University, *Ideological Critique and Representative Politics of the Vancouver Aquarium*.
4:00 Robert James Winstanley-Chesters, Dr*, University of Leeds, *Beastly Natures and Creaturely Spaces of Pyongyang: Animal Geographies of North Korea*.
4:20 Kaitlyn M Gaynor*, University of California - Berkeley, *Landscapes of fear: Spatial patterns of risk perception and response by non-human animals*.
4:40 Kim J Ward*, Plymouth University, *The logics of biocontrol: campylobacter and the political economy of chicken*.
- 4562. GIScience and disease mapping (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: Mendocino I, Hotel Nikko, 2nd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Martha Sayre, NASA
3:20 Chien-Chou Chen, PhD*, Center for GIS, Academia Sinica, Taiwan; Bo-Cheng Lin, PhD, Center for GIS, Academia Sinica, Taiwan; Ta-Chien Chan, PhD, Center for GIS, Academia Sinica, Taiwan, *Identify Hot Spots of Dengue Fever Prospectively in an Urban City of Southeast Asia*.
3:40 Charlotte Buehler Cherry, MS, MPH*, Vanderbilt University; Veronica Escamilla, PhD, University of Chicago; Michael Emch, PhD, University of North Carolina at Chapel Hill; Douglas Morgan, MD, MPH, Vanderbilt University, *Spatial Characteristics of Stomach Cancer Incidence in Western Honduras*.
4:00 Gabriele Richardson*, Louisiana State University, *The Relationships of Yellow Fever Death Outcomes and Housetypes: A Case Study from New Orleans' 1878 Yellow Fever Outbreak*.
4:20 Adeola Morakinyo Abiodun, Mr*, University of Pretoria,

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Satellite derived metrics for monitoring malaria incidences in Nkomazi region, South Africa.

4:40 Martha Sayre*, NASA DEVELOP Program - ARC, Puerto Rico Health.

4563. Healthcare access in the US and Canada (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Amy J. Blatt, TerraFirm International Corp.

3:20 Amy J. Blatt, Ph.D.*, TerraFirm International Corp., *Health, Science, and Place: A New Model.*

3:40 YAN LIN, Ph.D.*, Geography Department, South Dakota State University; Michael C. Wimberly, Ph.D., Geospatial Sciences Center of Excellence, South Dakota State University; Jeffrey Irwin, Geography Department, South Dakota State University, *Geographic access to cancer treatment facilities and breast cancer disparities.*

4:00 Seth Bishop*, University of Utah, *Spatial Access and Local Demand for Emergency Medical Services in the Intermountain West.*

4:20 Tayyab Ikram Shah, Ph.D.*, University of Saskatchewan; Marina Jones, University of Saskatchewan; Brenna Bath, BSc(PT), MSc, PhD, FCAMPT, University of Saskatchewan; Alyssa Hayes, BDent, MSc, FRCD(C), University of Saskatchewan; Scott Bell, Ph.D., University of Saskatchewan; Gerry Uswak, DMD, MPH, University of Saskatchewan; Stephan Milosavljevic, Ph.D., University of Saskatchewan, *A comparative analysis of geographic accessibility to three primary health care services in an urban centre: a case study of Saskatoon, Canada.*

4570. Measures of spatial access to urban green spaces (Sponsored by International Geography, GIScience, and Urban Health Theme, Health and Medical Geography Specialty Group, Transportation Geography Specialty Group)

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Coline Dony, University of North Carolina - Charlotte; Daniel Yonto, University of North Carolina - Charlotte

CHAIR(S): Coline Dony, University of North Carolina - Charlotte

3:20 Coline C Dony*, University of North Carolina - Charlotte, *Modeling spatial access to urban parks incorporating perception of park visitors and within the local context of Charlotte, North Carolina.*

3:40 Lee K. Cerveny*, PNW Research Station; Jenna Tilt, Ph.D., Oregon State University, *Access to Nature along the Urban-to-Wildland Continuum.*

4:00 Xiao Shi*, Cornell University, *The Spatial Determinants of Urban Park Distribution in New York City.*

4:20 Siyi Yu*, East China Normal University; Bailang Yu, East China Normal University; Wei Song, University of Louisville; Bin Wu, East China Normal University; Yan Huang, East China Normal University; Jianping Wu, East China Normal University, *Floor Green View Index: an indicator for quantifying visibility of urban vegetation using remotely sensed images and GIS.*

4572. I. Remembering Edward Soja (1940-2015)

Room: Bay View Room, Hotel Nikko, 25th Floor (Panel Session)

ORGANIZER(S): Susan Ruddick, University of Toronto

CHAIR(S): Susan Ruddick, University of Toronto

Discussant(s): Discussant(s): John C. Western, Syracuse University; Claske Dijkema, Université Grenoble Alpes; Keith Woodward, University of Wisconsin-Madison; John Paul Jones, University of Arizona; Allen J. Scott, University of California - Los Angeles; Mark Purcell, University of Washington; Michael

J. Dear, University of California, Berkeley; Ayona Datta, University of Leeds; Roberto Luís Monte-Mór, Universidade Federal De Minas Gerais; Saskia Sassen, Columbia University; Michael Storper, London School of Economics; Juan Miguel Kanai, University of Miami; Jane S. Pollard, Newcastle University

4573. Critical Knowledge Making in Political Ecology: Intersections between STS, multiple ontologies and ethnography (Sponsored by Cultural and Political Ecology Specialty Group, Geographic Perspectives on Women Specialty Group, Development Geographies Specialty Group)

Room: Peninsula Room, Hotel Nikko, 25th Floor (Panel Session)

ORGANIZER(S): Mara Jill Goldman, University of Colorado;

Andrea Joslyn Nightingale, Swedish University of Agricultural Sciences

CHAIR(S): Mara Jill Goldman, University of Colorado

Discussant(s): Michael Watts, University Of California; Matthew Turner, University of Wisconsin-Madison

Panelists: Mara Jill Goldman, University of Colorado; Andrea Joslyn Nightingale, Swedish University of Agricultural Sciences; Samer N. Alatout, University of Wisconsin-Madison; Juanita Sundberg, University of British Columbia

4574. Affective and Emotional Spaces of Vulnerability [1]

Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Simon Dickinson, University of Exeter; Sarah Tupper, University of Exeter

CHAIR(S): Simon Dickinson, University of Exeter

3:20 Pat Neuwelt, MD, PhD*, The University of Auckland; Robin A Kearns, PhD, The University of Auckland, *The medical practice waiting room: a space of vulnerability?.*

3:40 Sarah Tupper*, University of Exeter, *The event and experiencing vulnerability: older people's practices and performances of post-disaster recovery.*

4:00 Veronica Vickery*, University of Exeter, *Infectious Images and Geopolitical Vulnerabilities.*

4:20 Mayra Sanchez*, University of California - Davis, *Toward a Feminist Political Ecology of Children's Vulnerability to Toxic Agricultural Environments through Parents' Experiences.*

4:40 Nadia Bashir*, Nadia Bashir, Sheffield Hallam Univeristy, *The qualitative researcher: the flipside of the research encounter with vulnerable people.*

4575. Narrating displacement: Lived experiences of social and spatial exclusion #4

Room: Paris North, Marker Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Emil Pull, Malmö University; Ioanna Tsoni, Malmö University; Jacob Lind, Malmö University

CHAIR(S): Emil Pull, Malmö University

Panelists: Sander Van Lanen, University College CORK; Stefano Portelli, Università di Roma "La Sapienza"; Debangana Bose, The Ohio State University

4576. Situating diasporic knowledges II (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Cultural Geography Specialty Group)

Room: Paris South, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Case Watkins, Louisiana State University; Judith Carney, UCLA

CHAIR(S): Judith Carney, UCLA

3:20 Case Watkins*, Louisiana State University, *Place-based knowledge and development in diaspora: The viability of an Afro-Brazilian landscape.*

3:40 Linda Boukhris, Dr.*, Université Paris I Panthéon Sorbonne, *Afro-Costarican ecological knowledge and practices in the green nation.*

4:00 Nazanin Naraghi*, College of the Canyons, Simon Fraser University, *The Iranian Diaspora in Los Angeles and*

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Migration Trauma: The Aesthetics of "Not Getting It".

4:20 Joseph B. Powell*, Louisiana State University, *Diasporas and Diversity: In-situ conservation of African diasporic crops in the Caribbean.*

Discussant(s): Haripriya Rangan, The University of Melbourne

4577. Exploring Roger Byrne's Legacy IV: Human-environment interactions and cultural change (Sponsored by Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Athens North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Maria Caffrey, University of Colorado

Boulder; Donald G. Sullivan, University Of Denver;

Tripti Bhattacharya, University of California, Berkeley

CHAIR(S): Donald G. Sullivan, University Of Denver

3:20 Erik N. Johanson*, University of Tennessee; Sally P Horn, University of Tennessee; Chad S Lane, University of North Carolina - Wilmington; Maureen Sánchez, University of Costa Rica, *A 4000-year Record of Paleoenvironmental Change and Agricultural Intensification from Laguna Los Mangos in Southern Pacific Costa Rica.*

3:40 Anna Klimaszewski-Patterson*, University of Nevada, Reno; Scott Mensing, University of Nevada, Reno, *Evidence for prehistoric anthropogenic forest change in Sequoia National Forest, California, USA.*

4:00 Mark A. Blumler*, SUNY-Binghamton, *Evolutionary Imperialism: Agricultural Origins and Invasive Species.*

4:20 Kevin Gilmore*, HDR; Maria Caffrey, University of Colorado; Jonathan Hedlund, ERO Resources Corporation; Ian Slayton, University of Denver, *Building on Roger Byrne's Legacy in the Great Basin: The Relationship between Paleoenvironment and Prehistory on the Edge of the Sierra Valley of Eastern California..*

Discussant(s): Donald G. Sullivan, University Of Denver

4578. Human Impacts on Watershed Processes IV Watershed Management with GIS (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

3:20 Wilbert Karigomba*, North West Arkansas Community College, *Exploring Participatory GIS in Watershed Management.*

3:40 Mahbubur R Meenar, PhD*, Temple University; Jeffrey Featherstone, PhD, Temple University; Richard Fromuth, PE, Temple University; Manahel Soro, PhD, Temple University, *Assessment and Prioritization of Stormwater Infrastructure Scenarios in Flood Prone Communities: A Mixed-Methods GIS Approach.*

4:00 Annaka Scheeres*, Calvin College; Charlotte Reynolds*, Calvin College; Jason VanHorn, PhD, Calvin College, *Geographic Information Systems (GIS) Development for the Plaster Creek Watershed.*

4:20 Fan Liu*, Beijing Normal University; Bo Chen, Beijing Normal University; Peijun Shi, Beijing Normal University, *The Finer the DEM Resolution, the More Accurate the Extracted River Length?.*

4:40 Mitchell Sodek*, Penn State University, *Designing an Open Source Web Application for Visualizing Aquifers.*

4579. The Rise and Fall of Cheap Natures, I

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Jason W. Moore

CHAIR(S): Elizabeth Havice, University of North Carolina-Chapel Hill

3:20 Jason W. Moore*, Binghamton University, *The Rise and Fall of Cheap Nature.*

3:40 Christopher R. Cox*, University of Washington, *'Decadent and Overmature': The Capitalist Colonization of the Redwood Rainforest.*

4:00 Eddie Yuen*, San Francisco Art Institute, *Greening the Yellow Peril: Asian Ecocidal Appetites and the Devouring of Nature.*

4:20 Jennifer J. Casolo, PhD*, Universidad Rafael Landívar, *Unsettling De(bi)velopments: Cheap Natures, Costly Crises, and Colonial Connections in the Ch'orti' East..*

4:40 Joshua Eichen*, University of Minnesota, *Race, Value, And The Emergence of the Capitalocene.*

4580. New Discourses of the Old Nation-State: Territories, Identities, Practices 2 (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Ingrid A. Medby, Durham University; Berit Kristoffersen

CHAIR(S): Berit Kristoffersen

3:20 Ingrid A. Medby*, Durham University, *Narratives of Arctic State Identity.*

3:40 John Allen*, The Open University; Allan Cochrane, The Open University, *A State of Distortion: Stretching the Spatial Authority of the State Topologically.*

4:00 Maria Persdotter*, Malmö University, *At the Nexus of Universalism and Nationalism: Homeless Roma EU-citizens and the Politics of Housing in Sweden.*

4:20 Benjamin Peter Clifford*, University College London, *The British-Irish Council, state actors and the everyday filling-in of devolution in the United Kingdom.*

4:40 Szu-Yun Hsu*, University of British Columbia, *Trade, Investment and the Rise of (Neo)liberal Nationalism in Taiwan.*

4581. 2016 Robert Raskin Student Competition (Sponsored by Cyberinfrastructure Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Panel Session)

ORGANIZER(S): Jizhe Xia

CHAIR(S): Jizhe Xia

4582. China/East Asia

Room: Beijing, Marker Hotel, 2nd Floor (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ding Fei, University of Minnesota - Minneapolis

3:20 Jing Zheng*, Wuhan University, *GIS application in China's contemporary rural settlement reformation.*

3:25 Nina Zhang*, University of Bristol, *Analysis of Interprovincial and Intraprovincial Migration in China from 2000 to 2010 with Extended and Enhanced Gravity Models.*

3:30 Zhaohui Li*, George Washington University, *Visualize spatial distribution of population in Ordos (Kangbashi), China.*

3:35 Yi Xiao*, Minzu University of China; Guo Luo, Minzu University of China; Shi hong Du, Peking University, *Stability of Landscape Pattern of Qiannan Buyi and Miao Autonomous Prefecture.*

3:40 Xiang Jingwei*; Li Jiangfeng, *Spatial difference and its influencing factors of cultivated land transition of poverty counties in western Hubei of China.*

3:45 Changjian Wang*, Guangzhou Institute of Geography, *Analyzing influencing mechanism of carbon emissions in Guangdong province based on IO-SDA model.*

3:50 Bin HE*, Beijing Normal University; Aifang Chen, Beijing Normal University, *The response of vegetation growth to the recent warming hiatus in China.*

3:55 Shengxi Cao*, Tsinghua University, *The influence of local financial ecology on infrastructure financing methods choices: A perspective from financialisation.*

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- 4:00** Jinhong Ding*; Xuan Guo, *Expanding Consumerism in Urbanizing China and Its Effects on Carbon Emissions.*
- 4:05** Ding Fei*, University of Minnesota - Minneapolis, *Spatiality of China's Special Zones Within and Beyond its Border.*
- 4583. The Agency of Place III (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Soren Larsen, University of Missouri; Jay T. Johnson, University of Kansas
 CHAIR(S): Soren Larsen, University of Missouri
3:20 Sarah Wright*, University of Newcastle; Sandra Suchet-Pearson, Macquarie University; Kate Lloyd, Macquarie University; Bawaka Country, North East Arnhem Land; Laklak Burarrwanga, Bawaka Cultural Enterprises and Macquarie University; Ritjilili Ganambarr, Bawaka Cultural Enterprises and Macquarie University; Merrkiyawuy Ganambarr-Stubbs, Bawaka Cultural Enterprises and Macquarie University; Banbapuy Ganambarr, Bawaka Cultural Enterprises and Macquarie University; Djawundil Maymuru, Bawaka Cultural Enterprises and Macquarie University, *Co-becoming time/s: time/s-as-telling-as-time/s.*
3:40 Naomi Simmonds*, The University of Waikato; Ngati Huri Hapu, *Te Waotu: place and wellbeing and the wellbeing of place for Maori in Aotearoa New Zealand.*
4:00 Sean Robertson*, University of Alberta - Faculty of Native Studies (Edmonton); Gita Ljubcic, Carleton University - Geography (Ottawa); Rebecca Mearns, Qikiqtani Inuit Association (Iqaluit), *Inuit Restorative Landscapes Old and New: Place, Practice and Feeling in Gjoa Haven, Nunavut.*
4:20 Angela Rose Fernandez, MSW, LICSW*, University of Washington, *Yappalli: The role of place in Indigenous health for Indigenous allies.*
 Discussant(s): Jay T. Johnson, University of Kansas
- 4584. Urban low carbon transitions, informalities and innovation democracy**
Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Ralitsa Hiteva, SPRU, University of Sussex
 CHAIR(S): Sarah E. Knuth, University of Michigan
 Panelists: Saska Petrova, University of Manchester; Andres Luque-Ayala, Durham University, UK; Vanesa Castan Broto, UCL; Peter J. North, University Of Liverpool; Dan Musil, Western Sydney University
- 4585. Changing Geopolitics of Kurdistan (Sponsored by Political Geography Specialty Group)**
Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Panel Session)
 ORGANIZER(S): Sanan Moradi, University of Oregon; Jessie Hanna Clark, University of Nevada
 CHAIR(S): Carl Thor Dahlman, Miami University
3:20 Carl Thor Dahlman, Miami University
3:40 Jessie Hanna Clark, University of Nevada
4:00 Sanan Moradi, University of Oregon
- 4586. Decentering the Frontier - Catch-all for dispossession or useful analytical concept? (second session)**
Room: Salon I, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Frank Mueller, Universidade Federal do Rio de Janeiro - Rio de Janeiro; Maria Angela Backhouse, Friedrich Schiller University Jena
 CHAIR(S): Maria Angela Backhouse, Friedrich Schiller University Jena
3:20 Jennifer Bartmess*, University of Zurich, *The oil palm frontier: Expansion into indigenous lands in Sabah, East Malaysia.*
3:40 Michael Polson*, CUNY Graduate Center, *Drug War Frontiers: Governance, Freedom and Fortune on the Rural/Urban Edge.*
- 4:00** Mercedes Biocca, PhD in Sociology*, Instituto De Altos Estudios Sociales, Argentina, *Disclosing the margins: Dispossession and the politics of Indigenous people in a frontier territory.*
 Discussant(s): Alice Kelly, University of California, Berkeley
- 4587. Towards Hydrocitizenship: Connecting communities with multiple water issues 2**
Room: Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Graeme Lorenzo Evans, Middlesex University
 CHAIR(S): Graeme Lorenzo Evans, Middlesex University
3:20 Shaun Andrew Maskrey*, University of Nottingham; Nick J Mount, PhD, University of Nottingham, *Building a community understanding of flood risk through participatory modelling.*
3:40 Eric Sarmiento*, University of Oxford; Sarah Whatmore, University of Oxford; Catharina Landstrom, University of Oxford, *Hydro-social spaces and the challenges of neoliberal environmentalism.*
4:00 Andrew Church*, University of Brighton; Johanne Orchard-Webb, University of Brighton; Jasper Kenter, Scottish Association for Marine Science; Ros Bryce, Perth College, University of the Highlands and Islands, *The environmental justice potential of the Ecosystems Approach deliberative turn: Reflections on democratic participatory valuation methods used to illuminate hydro-social relations and hydro-citizen values.*
 Discussant(s): Graeme Lorenzo Evans, Middlesex University
- 4588. Tracing Heroes and Villains in the negotiation of spatial relationships I (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Arielle Hesse, Penn State; Jennifer Lynn Titanski-Hooper
 CHAIR(S): Arielle Hesse, Penn State
3:20 Alice Cree*, Durham University, *Who sings the nation-state? Soldierly heroism and the Military Wives Choir.*
3:40 Vanessa Schofield*, University of Durham, *Rioters: Non-believers who don't believe in anything? Heroes and Villains in UK Riots.*
4:00 Derek H. Alderman*, University of Tennessee; Joshua Inwood, University of Tennessee, *Jim Crow Villainy and the Creation of the "Bad Negro": Reputational Politics, Transgressive Mobilities, and the Case of Heavy Weight Boxer Jack Johnson.*
4:20 Jennifer Lynn Titanski-Hooper*, The Pennsylvania State University, *National Heroes or Economic Villains?: Fiscal Responsibility and War Veteran Benefits in Croatia.*
 Discussant(s): Ingrid L. Nelson, University of Vermont

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Poster Sessions for Friday are located on pages 312-317.

4601. Why are we (t)here? Radical challenges to privilege and presence in the North-South encounter (2)

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Mark Griffiths, University of Oulu; Olivia

Umurewa Rutazibwa, University of Portsmouth
CHAIR(S): Mark Griffiths, University of Oulu

5:20 Olivia Klimm*, Freiburg University, *Inequality in ethnographic research: embracing privilege.*

5:40 Phoebe Everingham*, University of Newcastle, *Speaking Spanglish: embodying linguistic borderlands in volunteer tourism.*

6:00 Carrie Mott*, University of Kentucky, *Multi-Racial Solidarity Activism on the Arizona border: negotiating difference.*

6:20 Charles Leddy-Owen*, University of Portsmouth, *Emplaced and Embodied Disavowals of Nation-State Violence.*

Discussant(s): Ishan Ashutosh, Indiana University

4603. Symposium on Human Dynamics Research: Travel Dynamics (I)

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
ORGANIZER(S): Yang Yue, Shenzhen University; Donggen

Wang, Hong Kong Baptist University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Yang Yue, Shenzhen University

5:20 Wei Tu*, Shenzhen Key Laboratory of Spatial Smart Sensing and Service, College of Civil Engineering, Shenzhen University, Shenzhen 518060, China; Rui CAO, School of Geodesy and Geomatics, Wuhan University, Wuhan 430079, PR China; Jinzhou CAO, State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, Wuhan 430079, PR China; Qingquan LI, Key Laboratory for Geo-Environment Monitoring of Coastal Zone of the National Administration of Surveying, Mapping and GeoInformation, Shenzhen University, Shenzhen 518060, China; Shih-lung SHAW, Department of Geography, University of Tennessee, *Spatial-Temporal Variation of Public Transit Ridership Inferring from Smart Card Data and Mobile Phone Data.*

5:40 Xiaomeng Chang*, Shenzhen University; Yang YUE, Shenzhen University; Wei TU, Shenzhen University; Zhichun JIAN, Wuhan University; Qingquan LI, Shenzhen University; Shih-lung SHAW, Department of Geography, University of Tennessee, *Deriving commuting origin-destination data from large-scale human tracking data.*

6:00 Meng Zhou*, Hong Kong Baptist University, *Analyzing Community Structure in Transportation Networks.*

6:20 Bi Yu Chen*, Wuhan University; Hui Yuan, Wuhan University; Qingquan Li, Shenzhen University; Shih-Lung Shaw, University of Tennessee, *Spatiotemporal data model for network time geographic analysis in the era of big data.*

6:40 Qiuping Li*, School of Geography and Planning Sun Yat-sen University; Zisheng Fu, School of Geography and Planning Sun Yat-sen University; Lin Liu, School of Geography and Planning Sun Yat-sen University; Suhong Zhou, School of Geography and Planning Sun Yat-sen University, *A Twice-Clustering Method for GPS Trajectories in Urban Network based on Similar Queues.*

4604. Visualizing Spatial Information

Room: Golden Gate 4, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert G. Cromley, University Of Connecticut

5:20 Zhongliang Cai*, School of Resources and Environmental Science, Wuhan University, P.R.China; Min Weng, School of Resources and Environmental Science, Wuhan University, P.R.China; Jian Xu, School of Resources and Environmental Science, Wuhan University, P.R.China; Bozhao Li, School of Resources and Environmental Science, Wuhan University, P.R.China, *Egocentric Spatial Information Organization and Visualization for Newmedia map.*

5:40 Maureen Ann Kelley, PhD*, San Jose State University, *Toward building a map taxonomy model.*

6:00 Nate Wessel*, University of Toronto, *Mapping dead-ends: how and where to consider noise reduction.*

6:20 Feng Qi*, Kean University; Seth Docherty, New Jersey Department of Environmental Protection; Anthony Ingato, Montclair State University, *The unification and separation of time and space and the implications on time-space visualizations.*

6:40 Robert G. Cromley*, University Of Connecticut; Dean M. Hanink, University of Connecticut; Jie Lin, Zhejiang University, *A Cartographic Modeling Approach to Isopleth Mapping.*

4605. China and the Global South: Perspectives on the Geography of Development

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Alvin Almendrala Camba, Johns Hopkins University; Marilyn Grell-Brisk, Université de Neuchâtel

CHAIR(S): Alvin Almendrala Camba, Johns Hopkins University
Introducer: Marilyn Grell-Brisk

5:27 Marilyn Grell-Brisk*, Université de Neuchâtel, *Global Economic Stratification: The China Effect and Sub-Saharan Africa.*

Introducer: Alvin Almendrala Camba

5:53 Alvin A/ Camba*, Johns Hopkins University, *The Geoeconomics of Chinese Capital: State Capacity and Developmental Trajectories in Southeast Asia.*

Introducer: Juliet Lu

6:20 Juliet Lu*, UC Berkeley, ESPM, *Great Expectations: Drivers and Obstacles of Chinese Land Acquisitions in Laos.*

Discussant(s): You-tien Hsing, University Of California at Berkeley

4606. Hipster Geographies: Socio-spatial practices, politics, and economies of one of culture's most maligned figures 2 (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Ryan Burns, Temple University; Cristina Temenos, Northeastern University

CHAIR(S): Cristina Temenos, Northeastern University

5:20 Joshua Long*, Southwestern University, *"Die Hipster Scum," "End Hipster Gentrification," and Other Things Hipsters Say.*

5:40 Bradley Gardener*, Middlebury University; bradley s gardener, Phd, Middlebury College, *Black Hipsters? How does Hipster Rap Inscribe Urban Space?.*

6:00 Johanna Lilius*, Aalto university, *Producing the attractive city: parenting on the city sidewalks.*

6:20 Aisling McCourt*, University of Salford; Marie Griffiths, Dr, University of Salford; Philip Martin, University of Salford, *'Hipster Business Review': Creative entrepreneurial start-ups in Greater Manchester.*

Discussant(s): Jesse Proudfoot, University of Durham

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- 4607. Frontiers of Geospatial Data Science (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign
 Discussant(s): Budhendra Bhaduri, Oak Ridge National Laboratory
- 4608. Ethnic diversity, environment and climate change (2) (Sponsored by Cultural and Political Ecology Specialty Group, Ethnic Geography Specialty Group)**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Olivia Dun, University of Wollongong, NSW; Lesley M. Head, University Of Wollongong; Natascha Klocker, University of Wollongong
 CHAIR(S): Lesley M. Head, University Of Wollongong
5:20 John R. Taylor, MLA, PhD*, Chatham University; Sarah Taylor Lovell, MLA, PhD, University of Illinois Urbana-Champaign, *Urban Agriculture as Green Infrastructure: Ecosystem Services and Tradeoffs in the Home Food Gardens of Ethnic and Migrant Households in Chicago, IL.*
5:40 Rebecca Campbell*, University of Wollongong, *Diverse environmental knowledges: Food, gender, and household sustainability in Pacific Island migrant households.*
6:00 Ananth Gopal*, University of Wollongong - Wollongong, NSW, *Growing Cultures: the cultivation of emergent ecological knowledge by ethnic minority home food gardeners..*
6:20 Heather Goodall*, University of Technology Sydney, *Water, Islam and Migrancy.*
 Discussant(s): Julian Agyeman, Tufts University
- 4609. Algorithmic Governance (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Economic Geography Specialty Group)**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Jeremy Crampton, University of Kentucky; Andrea L. Miller, University of California - Davis
 CHAIR(S): Jeremy Crampton, University of Kentucky
 Introducer: Jeremy Crampton
 Panelists: Agnieszka Leszczynski, University of Auckland; Emily Kaufman, University of Kentucky; Louise Amoore, Durham University; Andrea L. Miller, University of California - Davis; Ian Shaw, The University of Glasgow; Kate Crawford, MIT/Microsoft Research
- 4610. The AAG Mapathon: A Review (Sponsored by AAG Mapathon)**
Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Thomas Gertin
 CHAIR(S): Thomas Gertin
- 4611. The Impact of Drug Laws on Crime and Public Space**
Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Allison Brown, Tuscarora International
5:20 Thomas J. Veldman*, Kent State University, *Longitudinal and Fine Scale Assessment of the Lower Ninth Ward and Holy Cross Neighborhoods from 2010-2015: Changing Conditions and Their Impact on Crime.*
5:40 Nuria Carton de Grammont*, Universite de Montreal, *Violence on stage: body deployment and the uses of public space in the context of drug trafficking war in Mexico.*
6:00 Aaron H. Gilbreath, Ph.D*, College of Staten Island, City University of New York; Jonathan Peters, Ph.D., College of Staten Island, City University of New York; Richard Flanagan, Ph.D, College of Staten Island, City University of New York, *Blowing Smoke: Is Marijuana Legalization a Viable Tool for Economic Development in New York State?.*
6:20 Allison Brown*, Tuscarora International, *Geographers Don't Do Drugs.*
- 4613. [IJUS Lecture by Peter Taylor] Cities in climate change: challenges in making a social science fit for the Anthropocene**
Room: Continental 3, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Jung Won Sonn, University College London
 CHAIR(S): Jung Won Sonn, University College London
 Introducer: Jung Won Sonn
 Discussant(s): David Bassens, Free University of Brussels; Murray M. Low, London School of Economics
 Panelists: Peter J. Taylor, Loughborough University
- 4614. Transforming Work in Mobile Worlds 3: Politics, Technologies, Intensities (Sponsored by AAG Jobs and Careers Theme)**
Room: Continental 4, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Francis L. Collins, University of Auckland; David Bissell, The Australian National University
 CHAIR(S): Francis L. Collins, University of Auckland
5:20 Patricia LEJOUX*, ENTPE-Transport Economics Laboratory, *Towards Nomad Workers? The Role of Mobile ICTs in the Transformations of Work and Mobility.*
5:40 David Bissell*, The Australian National University; Ole B Jensen, Aalborg University; Phillip Vannini, Royal Roads University, *Intensive mobilities: the experiential politics of long-distance workers.*
6:00 Jane YeonJae Lee*, Northeastern University, *Mobile-working lives: the importance of telework in mobility transitions.*
6:20 Sven Kesselring*, Nuertingen-Geislingen University, *Corporate Mobilities Regimes and the Sustainability Question.*
 Discussant(s): Ole B. Jensen, Dept of Architecture & Design, Aalborg University
- 4615. Radical Crosscurrents: EJ, Political Ecology, and Traveling Theory (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
Room: Continental 5, Hilton Hotel, Ballroom Level (Panel Session)
 ORGANIZER(S): Malini Ranganathan, American University; Garth Andrew Myers, Trinity College; Laura Pulido, University of Southern California
 CHAIR(S): Laura Pulido, University of Southern California
 Panelists: Gabriela Valdivia, University of North Carolina - Chapel Hill; Garth Andrew Myers, Trinity College; Malini Ranganathan, American University; Kate Derickson, University of Minnesota; Carolyn Finney, University of California Berkeley; Jonathan K. London, ept of Human Ecology/ Community and Regional Development
- 4616. Crime/fear in space and time**
Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Andrew Newton, The University of Huddersfield; Nick Malleon, University of Leeds
 CHAIR(S): Andrew Newton, The University of Huddersfield
5:20 Andrew Newton*, The University of Huddersfield, *Crime and the Night Time Economy (NTE): Multi-classification crime (MCC) hot spots in time and space.*
5:40 Nick Malleon*, School of Geography, University of Leeds, UK; Martin Andresen, School of Criminology, Simon Fraser University, Canada, *The Influence of the Ambient Population on London Crime Hotspots.*
6:00 John Hipp*, University of California - Irvine, CA; Young-an Kim, University of California-Irvine, *Estimating the*

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presence of offenders, guardians, and targets at street segments: Consequences for crime at various times of day.

- 6:20** Kalen Flynn*, University of Pennsylvania; Douglas Wiebe, PhD, University of Pennsylvania, *Safe for whom? Adolescent perceptions of safety during time spent in high versus low social trust areas of Philadelphia.*
- 6:40** Huanfa Chen*, University College London; TAO CHENG, University College London; SARAH WISE, University College London, *Spatial-temporal Optimisation of Cooperative Police Patrol Routes.*

4617. Arboriculture and Urban Forestry

- Room:** Continental 7, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Adam Berland, Ball State University
CHAIR(S): Andrew Millward, Ryerson University
- 5:20** Adrina C. Bardekjian, MFC, PhD*, *Wuthering woods and uncommon clearcuts: Negotiating human and non-human agency in Southern Ontario's urban forests.*
- 5:40** Sadia Butt, B.Sc, MFC, PhD Candidate*, University of Toronto, *Impacting Urban Forest Governance at the Neighbourhood Level: The Influence of Resident Association Executives on the Neighbourhood Urban Forest (NUF).*
- 6:00** Janani Sivarajah, MFC, PhD Candidate*, Faculty of Forestry, University of Toronto; Sean Thomas, PhD, Faculty of Forestry, University of Toronto; Sandy Smith, PhD, Faculty of Forestry, University of Toronto, *Evaluating the Relative Shade Value of Schoolyard Trees for Health.*
- 6:20** Amber Grant*, Urban Forestry Research & Ecological Disturbance (UFRED) Group, Ryerson University; James WN Steenberg, PhD, Urban Forestry Research & Ecological Disturbance (UFRED) Group, Ryerson University; Andrew A Millward, PhD, Urban Forestry Research & Ecological Disturbance (UFRED) Group, Ryerson University, *Street tree decline and mortality in structural soil cells.*
- 6:40** Natalie S Van Doorn, PhD*, U.S. Forest Service; Greg McPherson, PhD, U.S. Forest Service, *Long-term street tree demography in Claremont, CA.*

4618. Bioaccumulation: Revaluing Life in the Anthropocene II

- Room:** Continental 8, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Elizabeth R. Johnson, University of Minnesota - Minneapolis; Helen Pritchard, Goldsmiths, University of London
CHAIR(S): Elizabeth R. Johnson, University of Minnesota - Minneapolis
- 5:20** Sophia Strosberg*, University of Minnesota, *Interior Real Estate: Struggles Over the Naturalized and Racialized Territory of the Microbiome.*
- 5:40** Julian S. Yates*, University of British Columbia, *Re-vitalizing Andean living worlds: Kamayoq, the new biotechnical yacana, and 'refreshing the blood' of Andean alpaca genetic resources.*
- 6:00** Marion Ernwein*, University of Fribourg, *Lively plants for neoliberal plans? On the lively materialities of neoliberalism.*
- 6:20** Garnet Kindervater*, Dartmouth College, *Life in the Anthropocene: Materialisms, Biopolitics, and Critique.*
Discussant(s): Bruce Braun, University of Minnesota - Minneapolis

4619. Contemporary Perspectives on Urban Inequality-III: Race and Poverty (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

- Room:** Continental 9, Hilton Hotel, Ballroom Level (Paper Session)
ORGANIZER(S): Madhuri Sharma, University of Tennessee, Knoxville; Willow Lung Amam, University of Maryland; Pablo Mendez, Carleton University

- CHAIR(S): Willow Lung Amam, University of Maryland
- 5:20** Willow Lung-Amam*, University of Maryland; Katrin Anacker, George Mason University; Nick Finio, University of Maryland, *Worlds Away in Suburbia: The Changing Geography of Concentrated Poverty in the Washington, DC Metro.*
- 5:40** Pablo Mendez*, Carleton University, *Exploring Ottawa's debtstcape.*
- 6:00** Christopher Niedt*, Hofstra University, *The New Suburban Fix and Its Discontents.*
- 6:20** Whitney Airgood-Obyrcki*, The Ohio State University; Bernadette Hanlon, The Ohio State University, *Poverty, Race, and Redevelopment in Cleveland's Suburbs.*

4624. There's No Such Thing As Culture 20yrs Later (Sponsored by Socialist and Critical Geography Specialty Group)

- Room:** Imperial A, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Clayton Rosati, Bowling Green State University
CHAIR(S): Clayton Rosati, Bowling Green State University
Introducer: Audrey L. Kobayashi
Discussant(s): Elvin K. Wyly, University of British Columbia
Panelists: Richard H. Schein, University Of Kentucky; Scott Kirsch, University of North Carolina at Chapel Hill; Deborah Dixon, University of Glasgow; Kirsten Simonsen, Roskilde University; Don Mitchell, Syracuse University

4625. AAG World Geography Bowl 7:30 p.m. - 11:30 p.m.

- Room:** Imperial B, Hilton Hotel, Ballroom Level (Special Event Session)

4627. Developing experiential learning opportunities in geography curricula (Sponsored by AAG Jobs and Careers Theme, Geography Education Specialty Group)

- Room:** Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)
ORGANIZER(S): Ola Ahlqvist, The Ohio State University
CHAIR(S): Ola Ahlqvist, The Ohio State University
Introducer: Timothy L. Hawthorne
Discussant(s): Ola Ahlqvist, The Ohio State University
Panelists: Michael R. Glass, University of Pittsburgh; Denise Blanchard, Texas State University

4628. Legacies of Black Feminisms (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

- Room:** Union Square 1, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Pavithra Vasudevan, University of North Carolina, Chapel Hill; LaToya Eaves, Florida International University
CHAIR(S): Pavithra Vasudevan, University of North Carolina, Chapel Hill
Discussant(s): LaToya Eaves, Florida International University
Panelists: Aaron Mallory, University of Minnesota - Minneapolis; Priscilla McCutcheon, University of Louisville; Katherine McKittrick, Queen's University; Kai M. Green

4629. Author Meets Critics: "Transportation and Revolt: Pigeons, Mules, Canals, and the Vanishing Geographies of Subversive Mobility" by Jacob Shell (Sponsored by Socialist and Critical Geography Specialty Group, History of Geography Specialty Group)

- Room:** Union Square 2, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Kafui Attah, CUNY Murphy Institute
CHAIR(S): Kafui Attah, CUNY Murphy Institute
Panelists: Hector Agredano, The Graduate Center, CUNY; Patrick Vitale, New York University; Julie Cidell, University of Illinois; Jacob Shell, Temple University; Zack Furness, Penn State University, Greater Allegheny

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- 4630. A Research Agenda for a 'Radical' Marine Spatial Planning (Sponsored by Coastal and Marine Specialty Group)**
Room: Union Square 3, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Wesley Flannery; Geraint Ellis, Queen's University Belfast
 CHAIR(S): Wesley Flannery
 Introducer: Geraint Ellis
 Panelists: Wesley Flannery; Kevin St. Martin, Rutgers University; Melissa Jane Nursey-Bray, University of Adelaide; Nathan Bennett, University of British Columbia/ University of Washington; Jan Van Tatenhove, Wageningen University
- 4631. The Role of Small and Independent Journals in a Dynamic Publication Landscape (Sponsored by Latin America Specialty Group, Cultural Geography Specialty Group, Historical Geography Specialty Group)**
Room: Union Square 4, Hilton Hotel, 4th Floor (Panel Session)
 ORGANIZER(S): Maria D. Lane, University of New Mexico
 CHAIR(S): Maria D. Lane, University of New Mexico
 Discussant(s): Sara Beth Keough, Saginaw Valley State University
 Panelists: Christopher Gaffney, University of Zurich; Ola Johansson, University of Pittsburgh at Johnstown; Erik Prout, Texas A&M University; Maria D. Lane, University of New Mexico; Hilda Kurtz, University of Georgia
- 4632. Science, Technology, and Innovation in Sustainable Governance and Management of African Cities (Sponsored by Africa Specialty Group)**
Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Francis Koti, University of North Alabama; Regan Doyle, Cardiff University; Akolade Akiyode, School of Planning and Geography
 CHAIR(S): Francis Koti, University of North Alabama
 5:20 Regan Doyle, MSc*, Cardiff University, *Geographic Information Technology in Slum Economies: A Study of Economic Activity Hubs in Dar es Salaam's Informal Settlements*.
 5:40 Francis Koti*, University of North Alabama; Herbert Hambati Qambalo, University of Dar es Salaam, *Unpacking the Complexity in the Informal Sector in East African Cities using Participatory GIS*.
 6:00 Akolade Akiyode*, School of Planning and Geography, *Analysing Street Trader Locations using sDNA*.
 6:20 John Felkner, Ddes, MA*, Florida State University, *Synchronization of Road Investment with Land Use and Economic Productivity in East Africa, 2003-2013*.
 6:40 Stephan Bock*, University of Bayreuth, *Becoming Africa's Singapore?! - Translocal Learning in Kigali's Urban Planning*.
- 4633. Energy Transitions III: Case Studies (Sponsored by Energy and Environment Specialty Group)**
Room: Union Square 6, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Michael Minn, University of Illinois
 CHAIR(S): Michael Minn, University of Illinois
 5:20 Tom Broekel*, Institute of Economic and Cultural Geography, University of Hannover; Christoph Alfken, Institut of Economic and Cultural Geography, Leibniz University of Hannover, *Gone with the wind? The impact of wind turbines on tourism demand*.
 5:40 Michel Georges Deshaies*, Université de Lorraine, *The new energy landscapes in the lignite basin of Lusatia (Germany)*.
 6:00 Scott E Phillips, GISP*, California State University, Stanislaus; Brian L Cypher, PhD, California State University, Stanislaus, *Solar Energy Development and Endangered Upland Species of the San Joaquin Valley of California: Identifying Conflict Zones*.
 6:20 Hannah Poisson-Smith*, Northern Michigan University, *Transition to Cleaner Power Generation*.
- 6:40 Michael J. Dorsch*, Graduate Center, CUNY, Toward Climate Change Mitigation, Energy Justice, and Resilience: Electricity Infrastructure Transitions and Transformations.**
- 4634. Tourism, Militarization and Nation-Building (Sponsored by Recreation, Tourism, and Sport Specialty Group, Political Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Sayaka Sakuma; Kyle Kajihiro, University of Hawaii - Manoa
 CHAIR(S): Sayaka Sakuma
 5:20 Sayaka Sakuma*, University of Hawaii at Manoa, *We ran to you to fight with you: US military Base and Protest Tour in Okinawa, Japan*.
 5:35 Michael Clancy*, University of Hartford, *Tourism, Memory and National Identity: The Case of the National 9/11 Museum*.
 5:50 Kyle Kajihiro, Ph.D. Student*, University of Hawaii - Manoa, *DeTouring U.S. Empire at 'Pearl Harbor'*.
 6:05 Laurel Mei-Singh*, CUNY Graduate Center, *Carceral Conservationism: Contested Landscapes And Technologies Of Dispossession At Ka'ena Point, Hawai'i*.
 6:20 Emily Cheng*, Montclair State University, *Ecotourism in Vietnam through the Lens of U.S. Militarism, Empire, and Neoliberalism*.
 Discussant(s): Sasha Davis, Keene State College
- 4637. China's Water Resources (Sponsored by China Specialty Group)**
Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Jason Yang, Ball State University
 5:20 Junjie Niu*, Research Institute of Historical Geography and Environmental Change, Taiyuan Normal University, *Soil Water Environment Under Plantation and Suitable Setting of Vegetation in Shanxi, China*.
 5:40 Peng Gao*, Syracuse University; Zhaoyin Wang, Department of Hydraulic Engineering, Tsinghua University, Beijing, China; Donald Siegel, Department of Earth Science, Syracuse University, Syracuse, New York, *Sedimentation in China's Three Gorges Reservoir: a tamed river dragon*.
 6:00 Jason Yang*, Ball State University; Xianrong Du, North University of China, *An Improved Method for Extracting Open Water from Landsat TM Image*.
 6:20 Xianghong Che*; Yang Yaping*, Institute of Geographic Sciences and Natural Resources Research, CAS, *Lakes Changes of Qinghai-Tibet Plateau from MODIS Time-series Imagery and Existing Problems Related to Lakes Mapping*.
- 4638. Global China (Sponsored by China Specialty Group)**
Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): David F. Ley, University of British Columbia
 5:20 Kwadwo Owusu*, University of Ghana; Paul W. K. Yankson, University of Ghana; Alex B Asiedu, University of Ghana; Frauke Urban, School of Oriental and African Studies (SOAS), University of London; Giuseppina Siciliano, School of Oriental and African Studies (SOAS), University of London, *The emerging livelihood challenges of resettled communities of the Bui Dam Project in Ghana and the role of Chinese dam-builders*.
 5:40 Martijn Burger*, Erasmus University Rotterdam; Bas Karreman, Erasmus University Rotterdam; Frank van Oort, Erasmus University Rotterdam, *Location Decisions of Chinese Multinationals in Europe: The*

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Role of Overseas Communities.

- 6:00** Hongyan Yang*, Buildings-Landscapes-Cultures, University of Wisconsin Milwaukee, *Exploring the Political Dimension of Race through Ethnic Restaurants.*
- 6:20** Tom Narins*, University at Albany, *The Battery Business: Lithium Availability and the Growth of the Global Electric Car Industry.*

4639. Sanitation inadequacy 2: Beyond poverty and preferences (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

- Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Richa Dhanju, Texas A&M University
 CHAIR(S): Richa Dhanju, Texas A&M University
- 5:20** Sarah L. Jewitt, PhD*, University Of Nottingham; Anjana Mahanta, Independent researcher, Guwahati, India., *Improved Sanitation for Whom, Where and How Long? Insights from Guwahati, India..*
- 5:40** Margaret C Morales, M.A.*, "Bolivians Piss in the Ditch" - *Deepening Racialized Narratives in Villa Lamadrid's Sewerage Crisis.*
- 6:00** Kimber Haddix Mckay*, University of Montana; Catherine Sanders, Adara Development Group; Moses Ssekidde, Kiwoko Hospital; Prosy Namutebi, Adara Development Group, *Lessons Learned from a Menstrual Hygiene Management (MHM) Program in Central Uganda..*
- 6:20** Kory Russel*, Stanford University; Sebastien Tilmans, PhD, Stanford University, *Expanding sanitation services: Impacts of a container-based, household toilet and human waste collection service in a dense urban slum of Cap Haitien, Haiti.*
- Discussant(s): Ashley Coles, Georgia Southern University

4640. Plurality, Action and Spaces of Appearance: Hannah Arendt and Emerging 'Arendtian' Geography

- Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Julian R. Shaw, King's College London
 CHAIR(S): Amiera Sawas, King's College London
- 5:20** Julian R. Shaw*, King's College London, *Arendt's Conditions embracing Marxist Critique: Finding, Creating and Disrupting Public Space in Luton, UK.*
- 5:40** Charles Bartlett Travis, Dr.*, Trinity College Dublin; Poul Holm, Prof., Trinity College Dublin, *Placing Arendt: the Anthropocene, Planetary Boundaries, and Social Transformation.*
- 6:00** Christina West*, University of Heidelberg, *Transversal Urban Research through the "lens" of Hannah Arendt's "Space of Appearance".*
- Discussant(s): Derek Ruez, University of Kentucky

4641. Urban Land Use and Change

- Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Zhenfeng Shao
- 5:20** Chao Fan*, Arizona State University; Sergio Rey, Arizona State University; Soe Myint, Arizona State University, *SFRR: A regression framework to understanding impacts of land cover patterns on urban warming.*
- 5:40** MA CAIXUE*, College of Public Administration, Huazhong Agricultural University, China; Quanghien Truong, College of Resources and Environment, Huazhong Agricultural University, China. Faculty Of Geography - Land Administration, Quy Nhon University, Vietnam; Liyuan he, College of Resources and Environment, Huazhong Agricultural University, China; Anhthu Ngo, Faculty Of Geography - Land Administration, Quy Nhon University, Vietnam, *the research on the urban land use changes by GIS and*

remote sensing.

- 6:00** Jae Teuk Chin*, Saint Louis University, *A Spatio-temporal View of Land Use Change Using Block-level Analysis.*
- 6:20** Zhenfeng Shao*, Wuhan University; Yuan Zhang, Wuhan University; Lei Zhang, Wuhan University; Lin Ding, Wuhan University, *Extracting Impervious surfaces from high spatial resolution imagery using random forest.*

4642. Debates on China's Environmental Governance (Sponsored by China Specialty Group, Rural Geography Specialty Group)

- Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Kin-Wing (Ray) Chan, Cardiff School of City and Regional Planning; Dan Liang, Xiamen University
 CHAIR(S): Kin-Wing (Ray) Chan, Cardiff School of City and Regional Planning
- 5:20** C.P. Pow*, National University of Singapore, *Building a Harmonious Society through Greening: Ecological Civilization and Contested Aesthetic Governmentality in China.*
- 5:40** Yangfan Li*, Xiamen University, *Coastal urbanization and resilience practices in China: Landscape change, environmental effects and ecological governance.*
- 6:00** Zhang Ziwen*, Institute of Geographical Sciences and Natural Resource Research, CAS, *The Changes of Spatial Pattern of China's Grain Output and Its Impact on Resources and Environment.*

4643. Variegated Governance of Industry 2 (Sponsored by Political Geography Specialty Group, Regional Development and Planning Specialty Group, Economic Geography Specialty Group)

- Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Glen Norcliffe, York University
 CHAIR(S): Glen Norcliffe, York University
- 5:20** Michael Dunford*, Chinese Academy of Sciences/ University of Sussex; Michael Dunford, Chinese Academy of Sciences/University of Sussex, *Territorial Development and the Evolution of the Chinese Model of Governance.*
- 5:40** Boyang Gao*, Central Univrsity of Finance and Economics; Glen Norcliffe, York University; Micheal Dunford, Chinese Academy of Science, *State Governance in the Development of Chongqing's Notebook Computer Cluster.*
- 6:00** Wen-I Lin*, Assistant Professor, Graduate Institute of Urban Planning, National Taipei University; Shu-Yi Chiu, Assistant Professor, Department of Arts and Creative Industries, National Dong Hwa University, *Creativity-led spatial fix of brownfield lands in Shanghai.*
- 6:20** Lanchih Po*, University of California, Berkeley, *Titling in Dongguan: empowerment or disempowerment.*
- Discussant(s): Weidong Liu, Chinese Academy of Sciences

4644. Agriculture, Environment, and Health (Sponsored by Rural Geography Specialty Group, Health and Medical Geography Specialty Group)

- Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Neng Wan, University of Utah
 CHAIR(S): Neng Wan, University of Utah
- 5:20** Margaret Carrel*, University of Iowa; Sean G Young, University of Iowa; Eric Tate, University of Iowa, *Pigs in Space: Determining the Environmental Justice Landscape of Swine Concentrated Animal Feeding Operations (CAFOs) in Iowa.*
- 5:40** Neng Wan*, University of Utah, *Parkinson's Disease and Pesticides Exposure: New Findings from a Comprehensive Study in Nebraska, USA.*
- 6:00** Jean Baptiste Faye*, University of Oregon, *Indigenous Agroforestry Systems and Food Security in the Sahel.*
- 6:20** Melanie Malone*, Portland State University, *Mapping the*

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Unintended Consequences of No-Till Agriculture: Changes in Vegetation Over Time from Increased Herbicide Drift in Wasco County, Oregon..

6:40 Ty Beal*, University of California - Davis, *Assessing Micronutrient Adequacy of the Global Food Supply at the Country Level.*

4645. GPOW Subconference II: Enacting an inclusive professional community (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: *Union Square 18, Hilton Hotel, 4th Floor (Panel Session)*
ORGANIZER(S): Amelia Schubert, University of Colorado;

Farhana Sultana, Syracuse University; Nicole Laliberte, University of Toronto - Mississauga

CHAIR(S): Farhana Sultana, Syracuse University
Discussant(s): Farhana Sultana, Syracuse University
Panelists: Nicole Laliberte, University of Toronto - Mississauga; Sarah Stinard-Kiel, Temple University; Beth Bee, East Carolina University; Milena U. Janiec-Grygo, University of South Florida

4646. Map and Spatial Pattern Comparison II (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: *Union Square 19, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Jed Long, University of St Andrews; Colin Robertson, Wilfrid Laurier University

CHAIR(S): Colin Robertson, Wilfrid Laurier University
5:20 Jeon-Young Kang*, SUNY - Buffalo; Jared Aldstadt, SUNY - Buffalo, *Patterns of Diversity in Dengue Virus Infections.*

5:40 Isabelle Nilsson, PhD*, University of North Carolina - Charlotte - Charlotte, NC, *Spatial Interactions among Retail Chains: Controlling for Zoning and Intra-Chain Location Patterns.*

6:00 ChengHe Guan*, Harvard University, *Spatial Distribution of Urban Territories at a Regional Scale: Modeling the Changjiang Delta's Urban Network.*

6:20 Angela Marcela Suarez*, University of California - Santa Barbara; Haiyun Ye, UCSB, *Spatio-temporal Analysis of Social Media Response After a Flood Event.*

6:40 Cody Schank*, University of Texas, *Using spatial point process models to map rare species: A case study on Baird's Tapir in Mexico and Central America.*

4647. Spatializing Urban Climate Change Governance (Sponsored by Human Dimensions of Global Change Specialty Group, Hazards, Risks, and Disasters Specialty Group, Urban Geography Specialty Group)

Room: *Union Square 20, Hilton Hotel, 4th Floor (Panel Session)*
ORGANIZER(S): Linda Shi, Massachusetts Institute of Technology; Kian Goh, Northeastern University

CHAIR(S): William D. Solecki, Hunter College
Discussant(s): William D. Solecki, Hunter College
Panelists: Linda Shi, Massachusetts Institute of Technology; Kian Goh, Northeastern University; Todd Schenk, Virginia Tech; Zachary Lamb, MIT; Joseph Holler, Middlebury College

4648. [Spatiotemporal Symposium] Time Geography: New Challenges and Opportunitie (III) (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: *Union Square 21, Hilton Hotel, 4th Floor (Paper Session)*
ORGANIZER(S): Hongbo Yu, Oklahoma State University; Kajsa Ellegård, Linköping University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Hongbo Yu, Oklahoma State University
5:20 Rebecca Loraamm*, University of Oklahoma; Joni Downs, University of South Florida, *Optimally locating wildlife crossing structures: a wildlife movement approach.*

5:40 Mattias Hellgren*, Linköpings University, *Change of Daily Activities in a Time-Geographic Perspective.*

6:00 Ruoqing Wang Scholz*, Texas State University; Yongmei Lu, Texas State University; Michael Andrew Scholz, Winona State University, *Identifying Individual Level Daily Travel-Activity Patterns Using Sequence Alignment Method.*

6:20 Zifeng Chen*, Department of Urban Planning and Design, the University of Hong Kong; Yanwei Chai, College of Urban and Environmental Sciences, Peking University, *Planning the opening hours of facilities in suburban Beijing: The perspective of time geography.*

6:40 Hongbo Yu*, Oklahoma State University, *Visualizing and Exploring Spatiotemporal Clusters of Space-time Paths.*

4649. Beyond Borders: the Ontology of Belonging

Room: *Union Square 22, Hilton Hotel, 4th Floor (Paper Session)*

ORGANIZER(S): Program Committee
CHAIR(S): Shelby Smith, School of Geography and Development, The University of Arizona

5:20 Harry Bregazzi*, University of Bristol, *A positive conceptualisation of peace through relational ontology.*

5:40 Mohamed Elyassini*, Indiana State University, *Did the Jewish state in Palestine beget the Islamic state in Iraq and Syria?.*

6:00 Gideon Biger*, Tel aviv university, *Enclaves as a mean to solve the Israel-Palestine territorial dispute.*

6:20 Irit Amit-Cohen*, Prof. in Geography an Environment, Bar Ilan University, *Obtaining others heritage, a new concept of attachment to place.*

6:40 Shelby Smith*, School of Geography and Development, The University of Arizona, *Whose citizenship? Belonging, micropolitics, and site ontology.*

4650. Geography and Post-phenomenology: Concepts, Methods, Futures

Room: *Union Square 25, Hilton Hotel, 4th Floor (Panel Session)*

ORGANIZER(S): James N. Ash, Newcastle University
CHAIR(S): James N. Ash, Newcastle University

Introducer: James N. Ash
Panelists: Maria Fannin, University of Bristol; Lizzie Richardson, University of Cambridge; Derek McCormack, University of Oxford

4651. The Geography of Entrepreneurship and its Ecosystems - III (Sponsored by AAG Jobs and Careers Theme, Economic Geography Specialty Group, Business Geography Specialty Group)

Room: *Mason A, Hilton Hotel, 6th Floor (Paper Session)*
ORGANIZER(S): Haifeng Qian, University of Iowa; Elizabeth Mack, Arizona State University; Heike Mayer

CHAIR(S): Heike Mayer
5:20 Gernot Grabher, HCU Hamburg; Jonas König*, HafenCity University Hamburg, *The Shifting Geographies of Entrepreneurial Networks: Performative Networking on Social Networking Sites.*

5:38 Antoine Habersetzer*, University of Berne, Switzerland, Geographical Institute, Center for Regional Economic Development, *What kind of pre-entry experience matters for startups in peripheral regions?.*

5:56 Helge Lea Tvedt*, University of Bergen; Grete Rusten, University of Bergen, *Green connections: eco-entrepreneurship, knowledge sourcing and strategic business cooperation from rural locations.*

6:14 Yuxi Zhao*, The Ohio State University; Darla K. Munroe, The Ohio State University, *Entrepreneur-led Landscape Changes During the Amenity Transition: The Co-Production of Tourism Industry and Exurban Community in Hocking Hills, Ohio.*

6:32 Shiri M. Breznitz*, University of Toronto; Paige A Clayton, University of North Carolina, Chapel Hill;

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Daniela Defazio, University of Toronto, *Patterns and Determinants of Intraorganizational Tie Formation Among Company-Members of an Entrepreneurial Community*.

Discussant(s): Elizabeth Mack, Arizona State University

4652. Lacan on Tour, on Stage, in the Garden and at the Table (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: *Mason B, Hilton Hotel, 6th Floor* (Paper Session)

ORGANIZER(S): Daniel C. Knudsen, Indiana University; Nitasha Sharma, Indiana University

CHAIR(S): Nitasha Sharma, Indiana University

5:20 Daniel C. Knudsen*, Indiana University; Jillian M Rickly, University of Nottingham; Elizabeth S Vidon, SUNY-ESF, *Existential Authenticity: A Lacanian Perspective*.

5:40 Nitasha Sharma*, Indiana University, *Dark Tourism and Lacan*.

6:00 Carmen Antreasian*, Indiana University, *Performing the triumph of phallic logic*.

6:20 Megan Elizabeth Betz*, Indiana University, *Performing the myth of the garden*.

6:40 Lillian G Brown*, Indiana University; Daniel C Knudsen, Indiana University, *Taste and the Unconscious*.

4653. Nightscapes: Discourses on Nocturnal Labor, Recreation and Leisure, Nighttime Infrastructural Landscapes and Spatialization (Sponsored by Communication Geography Specialty Group)

Room: *Powell Room A, Hilton Hotel, 6th Floor* (Paper Session)

ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; Lusi Morhayim; Hélène DUCROS

CHAIR(S): Joseph Palis, University of the Philippines-Diliman

5:20 Rosellen McGary*, Northeastern Illinois University, *Social Spaces in Chicago at Night: The impact of gentrification on nightlife in the city*.

5:40 Lusi Morhayim, PhD*, Israeli Institute of Technology, Technion, *Nightscapes of urban bicycling*.

6:00 Katherine Alexandra Newman*, University of Victoria, *The Nocturnal City: Urban Rhythms and the Politics of Night Spaces*.

6:20 Jeremy Bryson*, Weber State University, *Dark sky preservation: Reflections on sustainability pedagogy and community engagement*.

Discussant(s): Tim Edensor, Manchester Metropolitan University

4654. Vehicle Odometers and Other Novel Methods of Examining Car Ownership and Usage (Panel) (Sponsored by Transportation Geography Specialty Group)

Room: *Powell Room B, Hilton Hotel, 6th Floor* (Panel Session)

ORGANIZER(S): Tim Chatterton, University of the West of England; Deborah Salon, Arizona State University; Jillian Anable, University of Aberdeen

CHAIR(S): Tim Chatterton, University of the West of England
Introducer: Jillian Anable

Panelists: Tim Chatterton, University of the West of England; Deborah Salon, Arizona State University; Joseph Ferreira, MIT

4655. Wither the green economy and its alternatives? Changing rural hopes, desires and expectations in the extractive frontiers of Southeast Asia. (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: *Sutter Room A, Hilton Hotel, 6th Floor* (Paper Session)

ORGANIZER(S): Zachary Anderson, University of Toronto; Wolfram Dressler, School of Geography, University of Melbourne

CHAIR(S): Zachary Anderson, University of Toronto

5:20 Zachary R Anderson*, University of Toronto, *Mainstreaming Green: Negotiating the Politics of*

Development in Indonesia's Emerging Green Economy.

5:40 Marvin Joseph Montefrio, Ph.D.*, Yale-NUS College; Wolfram Dressler, Ph.D., University of Melbourne; Ana Christina Bibal, University of the Philippines, Los Banos, *Managing Food Security Expectations in the Era of Green Economy in the Philippines*.

6:00 Wolfram Dressler*, School of Geography, University of Melbourne, *A journey through hope and despair in a legacy of conservation failures in frontier Southeast Asia*.

6:20 Tuyen Le*, UCLA, *Sacred and Science, Environment and Economy: Vietnam's Agarwood Industry*.

Discussant(s): Robert Fletcher, Wageningen University

4656. Exploring the food, energy, and water nexus in Sub-Saharan Africa (Sponsored by Human Dimensions of Global Change Specialty Group, Water Resources Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: *Sutter Room B, Hilton Hotel, 6th Floor* (Paper Session)

ORGANIZER(S): Kurt Waldman, Ostrom Workshop in Political Theory

CHAIR(S): Jordan Blekking, Indiana University

5:20 Kurt B Waldman*, Ostrom Workshop in Political Theory, Indiana University; Tom Evans, Dept. of Geography, Indiana University; Shahzeen Attari, School of Public and Environmental Affairs, Indiana University, *The Impact of Farmers' Perceptions of Rainfall Uncertainty on Hybrid Maize Seed Choice*.

5:40 Brad Peter*, Michigan State University; Joseph Messina, Michigan State University; Guiying Li, Michigan State University, *Identifying Marginal Land and the Optimal Niche for Deployment of Perennial Grains in Western and sub-Saharan Africa*.

6:00 Tyler Schlachter*, Indiana University, *Quantifying Miombo Woodland Degradation and its Influence on Food and Energy Security; Southern Province, Zambia*.

6:20 Leo Charles Zulu*, Michigan State University, *The Rough Path Towards Sustainable Biomass Energy Production in Sub-Saharan Africa*.

6:40 Jordan Blekking*, Indiana University, *Is the Zambian Food Reserve Agency a poverty alleviation tool?*.

4657. Global Art Worlds and a World of Cities 3 (Sponsored by Graduate Student Affinity Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: *Taylor Room A, Hilton Hotel, 6th Floor* (Paper Session)

ORGANIZER(S): Murray Mckenzie; Yueming Zhang, Clark University

CHAIR(S): Yueming Zhang, Clark University

5:20 Yixiang Sun*, University College London, *Entrepreneurial Place-making, Public Engagement and The Production of Cultural Spaces: A Case Study of Qujiang Cultural and Creative District, Xi'an*.

5:40 Yajing Ning, PhD Candidate*, National University Of Singapore, *The Relational Geography of Arts Gentrification in Shanghai*.

6:00 Lacin Tutalar*, University of Kentucky, *A Weird Art Map of the City: Listening to the Refugee, Power and Vulnerability*.

6:20 Freke Caset*, Ghent University; Ben Derudder, Ghent University, *Measurement and interpretation of 'global cultural cities' in a world of cities*.

Discussant(s): Andrew Harris

4658. Governing Extraction/ Experiencing Extraction II (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: *Taylor Room B, Hilton Hotel, 6th Floor* (Paper Session)

ORGANIZER(S): Heather Plumridge Bedi, Dickinson College; Amanda Wooden, Bucknell University

CHAIR(S): Heather Plumridge Bedi, Dickinson College

5:20 Emily Billo*, Goucher College, *Resource extraction and the*

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right to protest: Contentious politics in Intag, Ecuador.
5:40 Lauren Miyoko Baker, Ph.D.*, Soka University of America, *Environmental emergencies as a prism to both critique and reinforce "social responsibility" in the northeast Peruvian Amazon.*

6:00 Meredith J. DeBoom*, University of Colorado at Boulder, *Extracting Place and Placing Extraction: Politics of Marine Phosphate Mining in Namibia.*

6:20 Maurizio Totaro*, University of Ghent, *Integrating into the Global, Disintegrating the Local: Oil Production and the Fragmented Social Geographies of Western Kazakhstan.*

Discussant(s): Heather Plumridge Bedi, Dickinson College

4659. Other cartographies, other geographies, other voices (Sponsored by Cartography Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Panel Session)

ORGANIZER(S): Janet Speake, Liverpool Hope University

CHAIR(S): Janet Speake, Liverpool Hope University

Discussant(s): Matthew W. Wilson, Harvard University

Panelists: Sebastien Caquard, Concordia University; Hyowon Ban, California State University, Long Beach; Janet Speake, Liverpool Hope University

4660. Realising the Right to Food

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Lana Jay Whittaker, University of Cambridge; Samuel Strong, University of Cambridge

CHAIR(S): Lana Jay Whittaker, University of Cambridge

5:20 Samuel Strong*, University of Cambridge, *Governing the space between survival and abandonment: Food banks as an emergent biopolitics.*

5:40 Nicole Gombay*, Université de Montréal, *Rendering dispossession technical: a settler colonial state's ordering of Indigenous peoples' "food insecurity".*

6:00 Federica Bono*, KU Leuven; John Finn*, Christopher Newport University, *Realizing the right to food: the Cuban case.*

6:20 Ilona Moore*, Bucknell University, *The rights-bearing subject?: Investigating the logic of food security and entitlements.*

6:40 Lana Whittaker*, University of Cambridge, *Realising the right to food in India: Lessons from the Midday Meal Scheme.*

4662. Making Peace(s) in Colombia

Room: Mendocino I, Hotel Nikko, 2nd Floor (Panel Session)

ORGANIZER(S): Julie De Dardel, University of Neuchatel; Sara Koopman, York University; Amy E. Ritterbusch, Universidad de los Andes

CHAIR(S): Sara Koopman, York University

Introducer: Emma Shaw Crane

Discussant(s): Teo Ballve, Colgate University

Panelists: Amy E. Ritterbusch, Universidad de los Andes; Alejandro Camargo, Syracuse University; Tatiana Acevedo, Université De Montreal; Julie De Dardel, University of Neuchatel

4663. Valuation Economies and their Geographies (Sponsored by Economic Geography Specialty Group)

Room: Mendocino II, Hotel Nikko, 2nd Floor (Paper Session)

ORGANIZER(S): Max-Peter Menzel, University of Hamburg; Tina Haisch

CHAIR(S): Max-Peter Menzel, University of Hamburg

Introducer: Melanie Fasche

5:30 Max-Peter Menzel*, University of Hamburg, *The production of context. And its geography.*

5:50 Tina Haisch*, Tina Haisch, University of Bern, *Market transformation through valuation: the case of the beer market.*

6:10 Ulrich Ermann*, University of Graz; Marc Michael Seebacher, University of Graz, *Valuing und valuation*

things: practices of performing value(s).

6:30 Aaron Van Klyton, PhD*, University of Greenwich; Said Ngoga-Rutabayiro, PhD, University of Rwanda; Dorotya Sallai, PhD, University of Greenwich, *Being (ac)countable in East Africa- An analysis of the role of the State in Globally-sourced Crowdfunding of Local Small and Medium Enterprises (SMEs).*

4664. AAG - ISUH International Geography, GIScience, and Urban Health Theme: Opening Plenary - Plenary Session (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Nikko Ballroom I, Hotel Nikko, 3rd Floor (Plenary Session)

Chair: **Jo Ivey Boufford**, The New York Academy of Medicine

Opening Remarks:

Douglas Richardson, Executive Director, American Association of Geographers

Shamim Talukder, President, International Society for Urban Health (ISUH)

Keynote Speakers:

Andy Haines, London School of Hygiene and Tropical Medicine, The Rockefeller Foundation-Lancet Commission on Planetary Health

Mei-Po Kwan, Professor, Department of Geography and GIScience, University of Illinois at Urbana-Champaign

Alex Ross, Director of World Health Organization (WHO) Kobe Centre, Japan

4667. Exploring the Intersections of Public Art(s) + Public Health

Room: Monterrey I, Hotel Nikko, 3rd Floor (Panel Session)

ORGANIZER(S): Joni M. Palmer, University of Colorado at Boulder; Angela Loder, University of Denver

CHAIR(S): Joni M. Palmer, University of Colorado at Boulder

Introducer: Joni M. Palmer

Discussant(s): Angela Loder, University of Denver

Panelists: Joni M. Palmer, University of Colorado at Boulder; Anita McKeown, NCAD; Angela Loder, University of Denver; William Gribb, University Of Wyoming

4668. Research Methods in Industrial Pollution and Disaster

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): María Mercedes Rodríguez Fontán

5:20 Huan Huang*, Chengdu University of Technology; Yinglong Wang, 3Renmin University of China, Beijing, 100872; Sisi Yin, Renmin University of China, Beijing; Xiaokun Yu, Chengdu University of Technology, Chengdu; Siyi Li, Chengdu University of Technology, Chengdu, *The Technological Innovation Models of the Reconstruction of Industrial Enterprises in the stricken area From the Research of Wenchuan Earthquake-hit area.*

5:40 Wenbo Guo*; Yan Zhang; Yanwei Chai, *Figuring suburban residents' daily activity pattern:evidence from GPS-based activity-travel survey in Beijing.*

6:00 Weifeng Li*, Department of Urban Planning and Design, The University of Hong Kong, *Planning for Clean Air in China's Megacities: Linking Urban Structure and Air Pollution in Beijing.*

6:20 María Mercedes Rodríguez Fontán*, Universidad Nacional de La Plata, *Industrial Disaster in Brasil.*

4669. New York City and Resilience in the Post-Hurricane Sandy Era

Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Cary Karacas, College of Staten Island

CHAIR(S): Cary Karacas, College of Staten Island

5:20 Thomas James DePaulo*, College of Staten Island; Thomas James DePaulo, College of Staten Island, *A Return to Natural Resilience: Strengthening New York City's Jamaica Bay.*

5:40 Vincent Quinn*, *The Urban Resilience of New York City: Waterfront Property and Vulnerable Populations.*

FRIDAY, APRIL 1 • 5:20 PM - 7:00 PM • 4600

6:00 Nicholas Peter Anderson*, College of Staten Island, *Seeking Shelter: A Study of New York City's Evacuation Shelters.*

6:20 Stanton Bradley Estwick*, College of Staten Island, *To Build or not to Build: Should New York City take a similar approach to flooding as the Netherlands?.*

4670. Uses and Analysis of Census Data

Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Keith Moffett, United States Bureau Of the Census

5:20 Kalyn Rossiter*, George Mason University; David Wong, George Mason University, *Congressional Redistricting: Keeping Communities Together?.*

5:40 Lee R Wentela, Chief, Address and Spatial Analysis Branch*, U.S. Bureau Of the Census, *Virtual Canvassing: In-Office Methods for Validating the Census Bureau's Address List for the 2020 Census.*

6:00 Michael Orris*, U.S. Bureau Of the Census, *Understanding MAF/TIGER Address Ranges.*

6:20 Brian Moore*, Oak Ridge National Laboratory (ORNL); Eddie Bright, Oak Ridge National Laboratory (ORNL); Jake McKee, Oak Ridge National Laboratory (ORNL); Jeanette Weaver, Oak Ridge National Laboratory (ORNL), *Activating the Population Variable in Urban Expansion Modeling.*

6:40 Keith Moffett*, United States Bureau Of the Census, *2020 Census: Status of Planning.*

4672. II. Remembering Edward Soja (1940-2015)

Room: *Bay View Room, Hotel Nikko, 25th Floor* (Panel Session)

ORGANIZER(S): Susan Ruddick, University of Toronto

CHAIR(S): Susan Ruddick, University of Toronto

Discussant(s): John C. Western, Syracuse University; Claske Dijkema, Université Grenoble Alpes; Keith Woodward, University of Wisconsin-Madison; John Paul Jones, University of Arizona; Allen J. Scott, University of California - Los Angeles; Mark Purcell, University of Washington; Michael J. Dear, University of California, Berkeley; Ayona Datta, University of Leeds; Roberto Luís Monte-Mór, Universidade Federal De Minas Gerais; Saskia Sassen, Columbia University; Michael Storper, London School of Economics; Juan Miguel Kanai, University of Miami; Jane S. Pollard, Newcastle University

4673. The Singapore Journal of Tropical Geography Annual Lecture (Sponsored by Wiley)

Room: *Peninsula Room, Hotel Nikko, 25th Floor* (Paper Session)

ORGANIZER(S): Tracey Skelton, National University of Singapore

CHAIR(S): Tracey Skelton, National University of Singapore

Introducer: Tracey Skelton

5:30 Nancy Lee Peluso*, University of California, *Miners, Maids, and Other Mobile Subjects: Remaking Agrarian Environments in Indonesia.*

Discussant(s): Tracey Skelton, National University of Singapore

4674. Affective and Emotional Spaces of Vulnerability [2]

Room: *Bellevue Room, Marker Hotel, Lobby Level* (Paper Session)

ORGANIZER(S): Simon Dickinson, University of Exeter; Sarah Tupper, University of Exeter

CHAIR(S): Sarah Tupper, University of Exeter

5:20 Jouni Hakli*, University of Tampere; Kirsi Pauliina Kallio*, University Of Tampere; Elisa Pascucci, University Of Tampere, *'Becoming Refugee' in Cairo.*

5:40 Kathryn Tomko Denler*, York University, *Doing the impossible: Unpacking vulnerability amongst migrants with liminal immigration status.*

6:00 Jenny Smith*, Newcastle University, *Liminal Statuses in Liminal Places: Refused asylum seekers living in Newcastle upon Tyne, UK.*

6:20 Harriet Thomson*, University of Manchester - Manchester,

Exploring the Concept of 'Vulnerable Customers' in Policymaking and the Implications for Energy Vulnerability in Europe.

4675. After New Urbanism?

Room: *Paris North, Marker Hotel, Lobby Level* (Panel Session)

ORGANIZER(S): Susan Moore, University College London;

Daniel Trudeau, Macalester College

CHAIR(S): Susan Moore, University College London

Introducer: Susan Moore

Panelists: Daniel Trudeau, Macalester College; Gordon MacLeod, University of Durham; Nicholas A. Phelps; Eliot Tretter, University of Calgary; Yonn A. Dierwechter, University Of Washington - Tacoma; Leah Montange, University of Toronto

4676. Situating diasporic knowledges: A roundtable discussion (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group, Cultural Geography Specialty Group)

Room: *Paris South, Marker Hotel, Lobby Level* (Panel Session)

ORGANIZER(S): Case Watkins, Louisiana State University; Judith Carney, UCLA; Juanita Sundberg, University of British Columbia

CHAIR(S): Judith Carney, UCLA

Discussant(s): Judith Carney, UCLA; Nazanin Naraghi, College of the Canyons; Juanita Sundberg, University of British Columbia

Panelists: Linda Boukhris; Chris S. Duvall, University of New Mexico; Joseph B. Powell, Louisiana State University; HariPriya Rangan, The University of Melbourne; Andrew Sluyter, Louisiana State University; Robert A. Voeks, California State University Fullerton; Case Watkins, Louisiana State University

4677. Landscapes of Change: Exploring Roger Byrne's Contribution and Legacy (Sponsored by Paleoenvironmental Change Specialty Group)

Room: *Athens North, Marker Hotel, Lower Level* (Panel Session)

ORGANIZER(S): Tripti Bhattacharya, University of California, Berkeley

CHAIR(S): Tripti Bhattacharya, University of California, Berkeley

Panelists: Scott A. Mensing, University of Nevada - Reno; Mark A. Blumler, SUNY-Binghamton; Elizabeth Watson, Academy of Natural Sciences of Drexel University; Tripti Bhattacharya, University of California, Berkeley

4678. Human Impacts on Watershed Processes V Watershed Management & Governance (Sponsored by Geomorphology Specialty Group, Water Resources Specialty Group, Mountain Geography Specialty Group)

Room: *Athens South, Marker Hotel, Lower Level* (Paper Session)

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

5:20 Hubert B. Stroud*, Arkansas State University, *Restoration within an Important Western Everglades Watershed.*

5:40 Kyle Flanagan*, USF St. Petersburg; Barnali Dixon, Dr., USF St. Petersburg, *Rethinking MPA: Integration of Watershed Urbanization.*

6:00 Rachel Craig*, University of Tennessee, *Using the Analytic Hierarchy Process to Evaluate Progress Toward Watershed Management Objectives.*

6:20 Christy Jean*, Kansas State University, *Hydrological Transitions: The Story of Kansas Watersheds.*

6:40 Danielle Molenaar*, Northern Michigan University, *Watershed Valuation for the Great Lakes.*

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- 4679. The Rise and Fall of Cheap Natures, II**
Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Jason W. Moore
 CHAIR(S): Ann El Khoury, Macquarie University
5:20 Alejo Kraus-Polk*, UC Davis Geography Graduate Group - Davis, CA, *Mountains and Rivers with out End: The End of Cheap Water in California.*
5:40 Zachary Caple*, University of California Santa Cruz, *Life in Clay: Cheap nature in a mining-altered watershed.*
6:00 Judith Watson, BA, MA, PGCE, DPhil*, University of Brighton, *Not out of the Woods Yet: the missing "timber crisis" in the Capitalocene transition.*
6:20 Sébastien Rioux*, Université de Montréal, *Revisiting Neil Smith's Production of Nature Thesis: Agriculture and the Production Time of Capital.*
6:40 Jay Bolthouse*, Binghamton University; Jay Bolthouse, Binghamton University, *Hegemony in the Web of Life: from the Ecological 'Bundle' to the Ethico-Political 'Block' and Back Again.*
- 4680. The next best thing: a panel for human geographers to talk about the way they choose the next project, the tactics they use at turning points, and epic stories of success and failure.**
Room: Vienna South, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Naomi Adiv, Portland State University
 CHAIR(S): Naomi Adiv, Portland State University
 Introducer: Naomi Adiv
- 4681. Advanced Geospatial Web Services Technologies (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Zhipeng Gui, Wuhan Univeristy; Jizhe Xia
 CHAIR(S): Zhipeng Gui, Wuhan Univeristy
5:20 Xiaoqiang Cheng*, Wuhan University; Huayi Wu, Wuhan University; Zhipeng Gui, Wuhan University; Ping Shen, Wuhan University; Wen Sheng, Wuhan University, *An Investigation of Visual Quality of Web Map Services through Web Crawler and Visual Feature Analysis.*
5:40 Zhipeng Gui*, Wuhan Univeristy; Jun Cao, Wuhan University; Xiaojing Liu, Wuhan University; Xiaoqiang Chen, Wuhan University; Huayi, Wu, Wuhan University, *A Content Statistic and Performance Monitoring Report for public OGC Web Map Services.*
6:00 Jizhe Xia*, *Adopting cloud computing to optimize spatial web portals for better performance.*
6:20 Kuei-Yuan Chen*; Chih-Hong Sun, *Combine Location-Based Service with Dynamic Accident Hotspot to Build Traffic Accident Warning System.*
6:40 Yongyao Jiang*, George Mason university, *Mining and Utilizing Dataset Relevancy from Oceanographic Dataset Metadata, Usage Metrics, and User Feedback to Improve Data Discovery and Access.*
- 4682. Physical Geography**
Room: Beijing, Marker Hotel, 2nd Floor (Interactive Short Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Lauren N. Brown, UCLA
5:20 Janet E. Smith*, University of Missouri - Kansas City; Caroline Davies, PhD, University of Missouri - Kansas City, *Clay Minerals of the Al-Jafr Basin, Jordan: Indicators of Paleoenvironmental Change.*
5:30 Charles Efiog Udosen, PhD*, University of Uyo, *Impacts of climate and land surface changes on urban catchment hydrology of Uyo, S.E. Nigeria.*
5:40 Chen-Ling Hung*, University of South Carolina; Allan James, University of South Carolina, *Quantifying Impervious Surface Areas for a Small Urban Watershed Using Spatial Analysis.*
- 5:50** Cristina Monfasani*, Salem State University, *Free Web Tool for Visualizing Potential Flooding From Sea Level Changes and Storm Surges.*
6:00 Yafang Li*, *Using vegetation net primary productivity to determine theoretical and achievable farmland productivity.*
6:10 Ryan Gallagher*, *Determining the Error Between Microtopographic Measurements.*
6:20 Xavier Griffin*; Xavier Christopher Oliver Griffin, University of Mary Washington, *Hung out to dry: Case Studies Comparing California counties' water management solution to the drought for California residents.*
6:30 Kelsey Powers*, University of Washington, *Marine mammal tracking with mobile gis.*
6:40 Yunfei Zhang, doctor*, Beijing Normal University; Weiguo Jiang, associate professor, Beijing Normal University; Xi Chen, doctor, Beijing Normal University; Liangliang Tao, doctor, Beijing Normal University; Linmei Huang; Xiaobin Li; Lin Zhu; Zhaoning Gong; Peng Hou; Jing Li, professor, Beijing Normal University, *Urban wetland function research based on the "patches - groups - systems".*
6:45 Lauren N. Brown, MA*, UCLA; Richard F Ambrose, PhD, UCLA; Glen M MacDonald, PhD, UCLA, *Regional, Spatial, and Temporal Variations in Vertical Accretion Rates of Coastal Salt Marshes in California.*
- 4683. The Agency of Place IV (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Metropolitan A, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Soren Larsen, University of Missouri; Jay T. Johnson, University of Kansas
 CHAIR(S): Soren Larsen, University of Missouri
5:20 Lisa R Palmer, Dr*, The University of Melbourne, *Negotiating diverse agencies of place in Timor Leste.*
5:40 Christopher Reed Coggins*, Bard College at Simon's Rock, *Thinking Landscapes - Properties and Personhood.*
6:00 Rinchu D. Dukpa*, Wageningen University, *Hydro-development in the Eastern Himalayas and the Politics of Place.*
6:20 Vanessa Sloan Morgan*, Queen's University, *Placing responsibility: Ontological pluralism and Indigenous-settler relations.*
6:40 Hannah Jaicks*, The CUNY Graduate Center, *Live, Work, and Play: The Significance of Place-Making in Cultivating Human-Nonhuman Predator Relations in the Greater Yellowstone Ecosystem.*
- 4684. Remote Sensing Applications (mostly for climate modeling)**
Room: Metropolitan B, JW Marriott Hotel, 2nd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Laura Harding, The Pennsylvania State University
5:20 Xu Lu*, Clark University, *Estimation of the instantaneous downward surface shortwave radiation using MODIS data at Lhasa for all sky days.*
5:40 Adam Michael Wilson, PhD*, University At Buffalo; Walter Jetz, PhD, Yale University, *High-resolution Global Cloud Dynamics for Environmental Monitoring.*
6:00 Joshua Jackson Haga*, Michigan State University; Raechel A Bianchetti, PhD, Michigan State University, *Expert-Novice Differences in Differentiating between Arid and Drought-affected Environments.*
6:20 Xiaohu Zhang*, The University of Hong Kong; Anthony Yeh, The University of Hong Kong; Zhixin Qi, Sun Yat-Sen University, *Automatic registration of PolSAR images based on multi-scale Harris detector and orientation angle differences.*
6:40 Laura Harding*, The Pennsylvania State University; Guido Cervone, The Pennsylvania State University; Andmorgan Fisher, Geospatial Research Laboratory; Michael Lewis, Geospatial Research Laboratory;

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Michael Anderson, U.S. Army Tank Automotive Research Development and Engineering, *Verification of a downscaled soil moisture product using Cosmic-ray Soil Moisture Observing System (COSMOS)*.

4685. Visions for GIScience

- Room: Metropolitan C, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Timothy F. Trainor, U.S. Bureau Of the Census
5:20 Matthew Miller, PhD*, Southern Connecticut State University, *A Universal Spatial Data Model for Raster and Vector Data*.
5:40 Qingyun Du*, Wuhan University, *A new ubiquitous computing Paradigm based on Geo-AR system*.
6:00 John A. Kelmelis, Ph.D.*, Penn State, *Brain Function as a Model for Forecast Enabled Intelligent Maps*.
6:20 Werner Kuhn*, UCSB, *Toward an Outward-Looking Geographic Information Science*.
6:40 Timothy F. Trainor*, U.S. Bureau Of the Census, *The Importance of the Global Statistical Geospatial Framework for the United States*.

4687. Contested Spaces and Environmental Decision-Making

- Room: Salon II, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Drew Hodge, Weber State University
5:20 Gabriel Granco*, Kansas State University; Marcellus M Caldas, Dr, Kansas State University; Jason S Bergtold, Dr, Kansas State University; Ana Cláudia Sant'Anna, PhD Student, Kansas State University, *Ethanol and farmer's land use decision-making in the Brazilian Savanna*.
5:40 Nino Antadze*, Bucknell University, *The polyphony of voices in environmental planning*.
6:00 Frode Sundnes, Dr.*, Norwegian University of Life Sciences; Eirin Hongslo, Dr., Norwegian University

of Life Sciences, *Conservation of a "use-mountain": Knowledge in the Management of a Landscape Conservation Area in southern Norway*.

- 6:20** Bruce L. Bigelow*, Butler University, *The American Midwest: Region or Anti-Region?*.
6:40 Drew Hodge*, Weber State University, *Utah Citizens' Perception of Public Lands*.

4688. Tracing Heroes and Villains in the negotiation of spatial relationships II (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

- Room: Salon III, JW Marriott Hotel, 2nd Floor (Paper Session)*
 ORGANIZER(S): Arielle Hesse, Penn State; Jennifer Lynn Titanski-Hooper
 CHAIR(S): Jennifer Lynn Titanski-Hooper
5:20 Ashley Fent, PhD Candidate*, UCLA, *Lines in the sand: scale and separation in a zircon mine controversy in Casamance (Senegal)*.
5:40 Arielle Hesse*, Penn State, *Oilfield Heroes and Terrorists: Behavior Based Safety in the US Oil and Gas Industry*.
6:00 Leigh Barrick*, University of British Columbia, *A Moat with Alligators: Narratives of Culpability in Central American Asylum Claims in the U.S.*.
6:20 Adrienne Ybanez Cooke*, Pennsylvania State University, *Uber Technologies versus The State*.
 Discussant(s): Ingrid L. Nelson, University of Vermont

FRIDAY, APRIL 1 • 7:10 PM - 8:10 PM • 4700

4738. Ethnic Geography Specialty Group Business Meeting (Sponsored by Ethnic Geography Specialty Group)

Room: Union Square 11, Hilton Hotel, 4th Floor (Meeting Session)

4749. Coastal and Marine Specialty Group Business Meeting (Sponsored by Coastal and Marine Specialty Group)

Room: Union Square 22, Hilton Hotel, 4th Floor (Meeting Session)

FRIDAY, APRIL 1 • 7:30 PM - 11:30 PM

World Geography Bowl

Friday, April 1, 7:30 p.m. - 11:30 p.m.

Room: Imperial B, Hilton Hotel, Ballroom Level

Student teams from the AAG's regional divisions will compete in a round-robin tournament starting at 7:30 p.m. in the Franciscan Rooms and Imperial B, at the Hilton Hotel. The championship round will begin at approximately 10:30 pm.

World Geography Bowl Coordinator:
Jamison Conley, West Virginia University

World Geography Bowl AAG Liaison:
Ed Ferguson, American Association of Geographers

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

For special events, please see the Special Events & Meetings Summary on pages 54-58.

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SATURDAY, APRIL 2 • 8:00 AM - 9:40 AM • 5100

- 5101. Spatializing Blackness - Author Meets Critics (Sponsored by Urban Geography Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Willie Wright, UNC Department of Geography; Aaron Mallory, University of Minnesota - Minneapolis
 CHAIR(S): Aaron Mallory, University of Minnesota - Minneapolis
 Introducer: Willie Wright
 Discussant(s): Aaron Mallory, University of Minnesota - Minneapolis
 Panelists: Ted Rutland, Concordia University; LaToya Eaves, Florida International University; Rashad Shabazz, The University of Vermont; Carolyn Finney, University of California Berkeley
- 5103. Relational Poverty 12, Author meets critics: G DeVerteuil's (2015) 'Resilience in the Post-welfare Inner City: Voluntary Sector Geographies in London, Los Angeles and Sydney'**
Room: Golden Gate 3, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Geoffrey P. DeVerteuil, Cardiff University
 CHAIR(S): Victoria A. Lawson, University of Washington
 Panelists: Melissa R. Gilbert, Temple University; Sarah Elwood, University of Washington; Eugene McCann, Simon Fraser University; Deborah G. Martin, Clark University
- 5105. Affecting Social Policy**
Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Alex Wafer
8:00 Ceit E Wilson*, University of Queensland; Tiffany Morrison, Ph.D., James Cook University; Jo-Anne Everingham, Ph.D., University of Queensland, *Steering Affordable Social Outcomes in America's Energy Heartland: Multi-Actor Meta-Governance in the Marcellus Shale, Pennsylvania.*
8:20 Rebecca L. Van Stokkum*, University of California - Davis, *Participation and information in local government.*
8:40 Dale Arnold*, Western Michigan University, *Veterans' Satisfaction with Veterans' Affairs Healthcare.*
9:00 Alex Wafer, Dr*, University of the Witwatersrand, *Infrastructure and the Materiality of Citizenship in Cosmo City.*
9:20 Moustapha Soumahoro*, School of Northern Development-Geography, Laurentian University, Sudbury, Canada, *Atlas of living conditions and poverty: Greater Sudbury -Ontario, Canada.*
- 5106. Critical Issues in Outer Space**
Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Julie Michelle Klinger, Boston University; Danny Bednar, Western University
 CHAIR(S): Julie Michelle Klinger, Boston University
8:00 Heather Whipple*, Brock University, *Further Flights of Fancy: Extraterrestrial Cultural Geographies.*
8:20 Deborah Scott, JD, PhD*, University of Edinburgh, *"We Need to Learn to be Independent of Earth": The Co-production of Space Synthetic Biology and Human Geographies of Outer Space.*
8:40 Julie Michelle Klinger, PhD*, Boston University, *Resource Geopolitics and the Political Economy of Off-Earth Mining.*
9:00 Danny Bednar*, Western University, *Locating Outer Space Issues within a General Typology of Governance.*
9:20 Nicola Triscott*, *Critical Art and Outer Space: A curatorial inquiry into space as a global commons.*
- 5107. Urban Waters: Private Bodies in Public Aquatic Spaces**
Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Naomi Adiv, Portland State University; Nathalie Boucher, Université de Montréal
- CHAIR(S): Naomi Adiv, Portland State University
8:00 Nathalie Boucher*, Université de Montréal, *When neoliberalism hits the water: an ethnographic exploration of Australian bathers.*
8:20 Naomi Adiv*, Portland State University, *Infrastructures of hygiene: municipal bathing waters in New York City 1870 - present..*
8:40 Dagmar Grimm-Pretner*, University of Natural Resources and Life Sciences Vienna, *Municipal Public Pools for Children in Vienna, Austria.*
9:00 Will Mackintosh*, University of Mary Washington, *Indian Maidens in Pure Springs: The Imagined Native American Origins of Early American Spa Towns.*
 Discussant(s): Kurt Iveson, University of Sydney
- 5108. Forest, agricultural, and urban transitions in Mainland Southeast Asia: Synthesizing knowledge and developing theory (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Development Geographies Specialty Group)**
Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Stephen Leisz, Colorado State University; Jefferson Fox, East-West Center
 CHAIR(S): Stephen Leisz, Colorado State University
8:00 Stephen Leisz, Ph.D.*, Colorado State University, *Urban-rural teleconnections along the East-West Economic Corridor within borders and across borders.*
8:20 Jefferson Fox, PhD*, East-West Center; Ian Baird, PhD, University of Wisconsin, Madison, *How land concessions affect places elsewhere: Telecoupling and large-scale plantations in southern Laos and northeastern Cambodia.*
8:40 Kaspar Hurni*, East-West Center, *Mapping the expansion of tree crops for selected Landsat footprints in Mainland Southeast Asia between 2000 and 2014 using a dense time stack of Landsat data.*
9:00 Thi Thanh Hien Pham*, UQAM; Sarah Turner, McGill University, *They're razing the mountains": The Dynamics between Land Use and Land Cover Change, and Livelihood Strategies in the Northern Vietnam Borderlands.*
 Discussant(s): Burak Guneralp, Texas A&M University
- 5109. Practice and Pedagogy of Critical Cartography: Spatial Data for Social Justice**
Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Bradley Gardener, Temple University; Matthew K. Ellis, Texas Christian University
 CHAIR(S): Matthew K. Ellis, Texas Christian University
 Panelists: Anna Feigenbaum, Bournemouth University; Bradley Gardener, Temple University; Matthew K. Ellis, Texas Christian University; Anja Kanngieser, University of Wollongong; Stephen McFarland, The University of Tampa; Manissa Maharawal, CUNY - Graduate Center; Doug Specht, University of Westminster
- 5110. Place, Change, and Scale in Comparison**
Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Fatih Altug
8:00 Brian Wallace McCabe, MA, MAS*, California State University - Fullerton; Brian Wallace McCabe, MA, MAS, California State University-Fullerton, *Regional Conflict and Cooperation: A Framework for Understanding Global Geography.*
8:20 Foster Frempong*, Kwame Nkrumah University of Science and Technology, *ethical dynamics of customers of hotels in kumasi, ghana.*
8:40 Melissa Haller*, Colgate University; Daisaku Yamamoto, Colgate University, *Coping with the Loss of a Nuclear Plant: Understanding Community-Level Responses to Decommissioning in Haddam, Connecticut and*

SATURDAY, APRIL 2 • 8:00 AM - 9:40 AM • 5100

Wiscasset, Maine.

- 9:00** Fatih Altug*, Ankara University, *The Effects of Proximity Forms on the Research Collaborations: The Case of Geographers in Turkey.*

5111. Witness to the Holocaust (Sponsored by Historical Geography Specialty Group)

- Room: Continental 1, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Anne Kelly Knowles, Middlebury College
CHAIR(S): Rudi Hartmann, University of Colorado
8:00 Anne Kelly Knowles*, University of Maine; Paul B. Jaskot, DePaul University; Levi Westerveld, Middlebury College, *Placing the Incommensurable: Mapping Forced Laborers' Experience in the Nazi Universe.*
8:20 Maël Le Noc*, Texas State University; Alberto Giordano, Texas State University, *Family Separation during the Holocaust in Italy.*
8:40 Alberto Giordano*, Texas State University; Tim Cole, University of Bristol, *Placing Holocaust Testimonies and Social Networks in Budapest and Italy.*
9:00 Steven Hoelscher*, University Of Texas at Austin, *A Landscape of Ruins: Roman Vishniac's Return to Postwar Berlin.*
9:20 Anika Walke, Ph.D.*, Washington University in St. Louis, *From Soil to Graves: On the Spatiality of Holocaust Memory in Post-World War II Soviet Society.*

5112. LiDAR remote sensing for forestry applications (Sponsored by Remote Sensing Specialty Group)

- Room: Continental 2, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Dameng Yin, SUNY - Buffalo; Le Wang, SUNY at Buffalo
CHAIR(S): Le Wang, SUNY at Buffalo
8:00 Bin Wu*, 1. Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2. School of Geographic Sciences, East China Normal University; Bailang Yu, 1. Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2. School of Geographic Sciences, East China Normal University; Qiusheng Wu, Department of Geography, Binghamton University, State University of New York, Binghamton; Yan Huang, 1. Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2. School of Geographic Sciences, East China Normal University; Zuoqi Chen, 1. Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2. School of Geographic Sciences, East China Normal University; Jianping Wu, 1. Key Laboratory of Geographic Information Science, Ministry of Education, East China Normal University; 2. School of Geographic Sciences, East China Normal University, *Extracting individual trees using localized contour tree method and airborne LiDAR data.*
8:20 Ziyue Chen*; Bing Xu; Bingbo Gao, *Quantifying tree green visibility using airborne Lidar data.*
8:40 Christine Hladik, PhD*, Georgia Southern University; Ellen Herbert, PhD, Virginia Institute of Marine Sciences, *Correction of tidal marsh digital elevation models and modeling marsh resilience with sea level rise.*
9:00 Dameng Yin*, SUNY - Buffalo, *Mangrove Tree Crown Delineation Using LiDAR.*
9:20 Xuelian Meng*, Louisiana State University; Le Wang, The State University of New York at Buffalo; Xukai Zhang, Louisiana State University; Jinyan Tian, Capital Normal University; Chong Huang, Institute of Geographical Sciences and Natural Resources Research (IGSNRR); Xudong Guan, Institute of Geographical Sciences and Natural Resources Research (IGSNRR), *Comparison of mangrove vegetation height measurement based on UAV LiDAR and terrestrial LiDAR.*

5115. Administrative Opacity, Law, and Geographies of Invisibility

- Room: Continental 5, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Lindsay Shade, University of Kentucky; Andrea Craft, University of Illinois At Chicago
CHAIR(S): Lindsay Shade, University of Kentucky
8:00 Andrea Craft*, University of Illinois At Chicago, *TIF as a flexible tool for state regulation of uneven development.*
8:20 Lisa R Pruitt*, University of California, Davis; Marta Vanegas, *Urbanormativity, Spatial Privilege and Judicial Blindspots in Abortion Law.*
8:40 Tarecq Amer, Ph.D.*, University of California - Davis, *Drones of War- Geography, Law, and the Visuality of New Empire.*
9:00 Brendan Conner, Esq.*, Streetwise and Safe, *The Uneven Development of Criminal Law: Human Geography, Policing, and Criminal Law Formation on the Urban Scale.*

5116. Geographic Knowledge, Methods, Tools

- Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Louise E. Mathews, USDA FSA Aerial Photography Field Office(None)
8:00 Yanli Zhang*, Stephen F. Austin State University; Daniel R Unger, Stephen F. Austin State University; I-Kuai Hung, Stephen F. Austin State University; David L Kulhavy, Stephen F. Austin State University, *Accuracy evaluation of current consumer-grade GNSS receivers.*
8:20 You Lan*, Institute of Space and Earth Information Science, Chinese University of Hong Kong; Lin Hui, Institute of Space and Earth Information Science, Chinese University of Hong Kong, *A tentative study on geographic knowledge engineering for Virtual Geographic Environments.*
8:40 Sergio Hernandez, MS. MEd.*, Tacoma Community College/University of Washington, *Map Mouse: A Web-Based Geotiff Conversion Tool..*
9:00 Forrest DeGroot*, CCSF, *A Proposed Alternative Measure for Climate Change Potential.*
9:20 Louise E. Mathews*, USDA FSA Aerial Photography Field Office(None), *What is Authoritative Geospatial Information in an Online World?.*

5119. Contemporary Perspectives on Urban Inequality IV: Neoliberalism, Post-structuralism and Immigrants' Roles in Place/Space Differentiation (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Ethnic Geography Specialty Group)

- Room: Continental 9, Hilton Hotel, Ballroom Level (Paper Session)*
ORGANIZER(S): Madhuri Sharma, University of Tennessee; Knoxville; Donghee Koh, University of Tennessee; Michael D. Webb, University of North Carolina at Chapel Hill
CHAIR(S): Selima Sultana, University of North Carolina-Greensboro
8:00 Qinglin Hu*, University of Connecticut; Dean M. Hanink, Professor, University of Connecticut, *Class, Race, and Gender Correlates of Income Inequality in US MSAs: An Exploratory Investigation.*
8:20 Donghee Koh*, University of Tennessee, *Korean Americans in the LA & NY CMSA. A longitudinal study of spatial assimilation in a multi-ethnic context..*
8:40 Melissa Erica Holmes, M.S.*, University of Tennessee, *Asian Immigration: Tracking Exponential Growth Across the United States.*
9:00 Nathan E Trombley*, University of Tennessee, *Remittance Behavior of US Immigrants.*
9:20 Arwa Mohamed Altahet*, UNCG; Selima Sultana, University of North Carolina at Greensboro, *To Dream the American Dream: A Geographic Assessment of Immigrants' Housing choices and Quest for Upward Mobility By.*

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- 5120. Pyrogeography I: Africa (Sponsored by Cultural and Political Ecology Specialty Group, Remote Sensing Specialty Group, Biogeography Specialty Group)**
Room: *Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Paul Laris, CSU Long Beach
 CHAIR(S): Paul Laris, CSU Long Beach
8:00 Mary C Henry*, Miami University; John K Maingi, Miami University; Jessica L McCarty, Michigan Tech Research Institute, *Mapping Burn Scars in the Aberdare Range, Central Kenya using Landsat Data and MODIS Active Fire Detection.*
8:20 Niti B. Mishra*, University of Wisconsin - La Crosse, *Modeling spatio-temporal variability in fires in response to rainfall, vegetation morphology and land-use patterns in semi-arid savannas: A satellite based assessment around Africa's largest protected area.*
8:40 Moussa KONE, Dr.*, Université Félix Houphouët-Boigny, Cocody; Paul Laris, Prof, California State University, Long Beach; Fadiala Dembélé, Prof, Université du Mali, Bamako; Maiga Saly Ramata, Université Félix Houphouët-Boigny, Cocody; Fakuru Camara, *A fine-scale model of fire emissions from West Africa.*
9:00 Rebecca Lee Jacobs*, California State University, Long Beach; Paul Laris, PhD, California State University, Long Beach, *Mapping burned area in West Africa with object-based image analysis of Landsat data.*
9:20 Paul Laris*, CSU Long Beach; Sepideh Dadashi, University of Colorado; Audrey Jo, CSULB; Moussa Kone; Fadiala Dembele; Fakuru Camara, *What is "early" and what is "late"? The West African fire experiments and what they can (and can't) tell us about the impacts of savanna fires.*
- 5121. Geographies of the Everyday: Embodied Experiences of Othering and Violence Session I (Sponsored by Cultural Geography Specialty Group)**
Room: *Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Gordon Andrew Cromley, Kent State University; Samuel Henkin, University of Kansas; Christabel Devadoss
 CHAIR(S): Samuel Henkin, University of Kansas
8:00 Gordon Andrew Cromley, M.A.*, Kent State University, *Paratopia: Towards an understanding of a militarized Utopia.*
8:20 Emily Erickson*, University of California, Los Angeles, *Fostering Undocumented Political Participation: Institutional Mechanisms to Overcome the Fear of Deportation.*
8:40 Samuel Henkin*, University of Kansas, *Geographies of 'non-lethal weapons': revolutionary technologies and everyday spaces of political violence.*
9:00 Mark Gardiner*, Stanford University - Stanford, CA, *From World War I to Mad Max IV: battle lines in the Namib.*
- 5122. Emerging themes in Landscape-Mobilities I (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: *Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Avril Maddrell; Mattias Qvistrom, Swedish Univ of Agricultural Sciences
 CHAIR(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences
8:00 Mattias Qvistrom*, Swedish Univ of Agricultural Sciences, *Fitness mobility in a welfare landscape.*
8:20 Hendrikus Joseph Pardoel*, University of the West of England, *Transhumant landscape-mobility.*
8:40 Mitchell Snider*, University of Kentucky, *Landscape, Mobility, and Exclusion/Inclusion: Latino Migrant Perspectives in East Boston, MA.*
9:00 Tucker J. Landesman*, London School of Economics, *Contested landscape: urban development and "favela integration" in Rio de Janeiro.*
- 9:20** Avril Maddrell*, UWE, *Landscape-Mobilities: putting gender on the agenda (again).*
- 5123. Cultural and Creative Industries as Dynamic Sectors: Looking Under the Hood I (Sponsored by Economic Geography Specialty Group)**
Room: *Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Patrick Adler, University of California Los Angeles; Atle Hauge, Eastern Norway Research Institute
 CHAIR(S): Patrick Adler, University of California Los Angeles
8:00 Atle Hauge, Professor*, Lillehammer University College, *Cultural and creative industries and service innovation.*
8:20 Sharon C. Cobb*, University of North Florida, *Raising capital in a creative way: traditional and innovative applications.*
8:40 Amy Cervenak*, University of Toronto, *Festivals as Temporary Clusters: a case study of the Toronto International Film Festival.*
9:00 Shoshanah B.D. Goldberg-Miller*, Ohio State University, *Planning Cities of Culture: Creative economic development policy in Toronto and New York.*
9:20 Chang Liu*, The University of Hong Kong; Dong Liu, Tongji University; Yu Wang, 021 Incubator Shanghai; Fuqiang Liu, Tongji University, *From Cultural to Sustainable Creative Cultural Industry: A Review of Shanghai Practice.*
- 5127. Spatial Methods for Analyzing Political Economy in Mexico**
Room: *Yosemite B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Andrew Hilburn, Texas A&M International University
8:00 Robert B. South*, University of Cincinnati, *Export-Oriented Plant Closure in Mexico.*
8:20 Jesus A. Trevino*, UANL; Anjomani Ardeshir, UT-Arlington, *Territorial Distribution and Spatial Change of Manufactures in Mexico, 1998-2008.*
8:40 Enrique Pérez-Campuzano*, Instituto de Geografía; Hiram Hernández, Universidad Nacional Autónoma de México; Alejandro Sánchez-Zárte, El Colegio de México, *Two methods for Analyzing spatial distribution of Services in Mexico.*
9:00 Jeff R DeGrave, Ph.D.*, University of Wisconsin-Eau Claire; Nathan B Schaffer, University of Wisconsin-Eau Claire; Payden H Volbrecht, University of Wisconsin-Eau Claire, *Assessing Microcredit Needs through Participatory Mapping: But How Participatory is "Participatory?"*
9:20 Andrew Hilburn*, Texas A&M International University, *Using GIS to Characterize Mexico's Social Properties in the Sabinas and Chicontepec Basins in the Era of Neoliberal Agrarian and Energy Reform..*
- 5128. Contested Mobilities in Latin America 1: Uneven mobilities in unequal cities (Sponsored by Latin America Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: *Union Square I, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Ersilia Verlinghieri, University of Leeds; Karen Lucas, Institute of Transport Studies, University of Leeds
 CHAIR(S): Karen Lucas, Institute of Transport Studies, University of Leeds
8:00 Jorge Blanco, MSc*, Universidad De Buenos Aires; Ricardo Apaolaza, University of Buenos Aires, *Social inequality and differential mobility: Three main issues for Buenos Aires Metropolitan Region..*
8:20 Diego Hernandez*, Universidad Católica del Uruguay, *Uneven mobilities, uneven opportunities: social distribution of public transport accessibility to jobs*

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and education in Montevideo, Uruguay.

8:40 Michael Lukas*, Universidad De Chile; Ernesto López, Universidad de Chile, *Real estate speculation, transport infrastructure and spatial capital: insights from Santiago de Chile.*

9:00 Cristhian Alfonso Figueroa*, University of Leeds, *Transport behaviour in the Neoliberal State: side-effects of Housing and Transport policies in low income neighbourhoods of Santiago de Chile.*

9:20 Ana Isabel Moreno-Monroy*, Universitat Rovira i Virgili; Frederico Roman Ramos, FGV; Robin Lovelace, University of Leeds, *School accessibility: a new index applied to the case of São Paulo.*

5129. Climate Politics in the Golden State 1 (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)

Room: Union Square 2, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Tracy Perkins, Howard University; Michael A. Mendez, University of San Francisco

CHAIR(S): Patrick Bigger, University of Kentucky

8:00 Tracy Perkins, Ph.D.*, Howard University, *When Does Participation Pay Off? California Environmental Justice Activists and the Global Warming Solutions Act of 2006.*

8:20 Michael A. Mendez*, University of San Francisco, *Climate Change from the Streets: Community Action for Global Health Impact.*

8:40 Barbara Haya*, University of California, Berkeley, *REDD reductions in the red?: implications of reference level and crediting period on the risk of over-crediting and program effectiveness.*

9:00 Libby Blanchard*, University of Cambridge, *Interrogating Public Debates over Jurisdictional REDD+ in California's Global Warming Solutions Act: Implications for Social Equity.*

Discussant(s): Beth Rose Middleton, UC Davis

5130. Africa's Urban Revolutions: suburbs, surveillance and spatial justice

Room: Union Square 3, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Ben Page, UCL; Garth Andrew Myers, Trinity College

CHAIR(S): Garth Andrew Myers, Trinity College

8:00 Garth Andrew Myers*, Trinity College, *Towards a Typology of Suburbs in Africa?.*

8:20 Ben Page*, UCL; Emile Sunjo, University of Buea, *Making an African suburb, making an African class: builders, landlords and a housing market that (sort of) works..*

8:40 Hille Koskela*, University of Turku, *Surveillance and policing in Dar es Salaam.*

9:00 Sagie Narsiah, Dr*, University of KwaZulu-Natal, *The struggle for spatial justice in Durban, South Africa.*

5131. Addressing Poverty and Inequalities in the Sustainable Development Agenda: Case Studies from Africa I (Sponsored by Africa Specialty Group)

Room: Union Square 4, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Andrea Rishworth, Ottawa University; Vincent Zubedar Kuuire, Queen's University

CHAIR(S): Andrea Rishworth, Ottawa University

8:00 Margaret King*, Chicago State University; Margaret King, Chicago State University, *Microentrepreneurship and Poverty Alleviation: Policy Implications for Sustainable Development in Sub-Saharan Africa.*

8:20 Richard A. Mbih*, Pennsylvania State University, *The Politics of Land Rights And Sustainable Development in Northwest Cameroon.*

8:40 Jake Wilson, M.A., M.Sc.*, Glasgow Caledonian University; Tahseen Jafry, Professor, Glasgow Caledonian University, *The Social Dimensions of Climate Change: A Policy Challenge.*

9:00 Heather Price*, University of Stirling; Zoe Matthews, University of Southampton; Hildah Essendi, University of Southampton; Jane Falkingham, University of Southampton; Chris Kanani, University of Southampton; AbuBakr Bahaj, University of Southampton, *Investigating the impacts of off-grid electricity access on rural communities in sub-Saharan Africa.*

9:20 Vasna Ramasar*, Lund University, *South Africa's energy nexus: Energy security, climate change mitigation and capital expansion.*

5132. Adaptation Hegemonies: Knowledge, Governance and Development Confronting Climate Change I (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Union Square 5, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Kasia Paprocki, Cornell University; Alejandro Camargo, Syracuse University

CHAIR(S): Kasia Paprocki, Cornell University

8:00 Sophie Webber*, UCLA, *Circulations in the Pacific Adaptation Complex.*

8:20 Jamie Shinn*, Texas A&M, *Social Vulnerability and the Governance of Adaptation: A case study from the Okavango Delta, Botswana.*

8:40 Alejandro Camargo*, Syracuse University, *Topographies of abandonment: Adaptation, risk and dispossession in post-disaster Colombia.*

9:00 Kasia Paprocki*, Cornell University, *Threatening Dystopias: Regimes of Development and Climate Change Adaptation in Bangladesh.*

Discussant(s): Michael Watts, University Of California

5133. Lessons from the field: Community Geography & Public History

Room: Union Square 6, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Amie Thurber, Vanderbilt University

CHAIR(S): Laura Barraclough, Yale University

Discussant(s): Laura Barraclough, Yale University

Panelists: Amie Thurber, Vanderbilt University; Sara Safransky, UNC-Chapel Hill; Alexander Tarr, UC Berkeley Geography; Amanda Matles, CUNY Graduate Center

5134. Root Causes of Occupational Safety and Health Outcomes of Non-Salaried Workers (Sponsored by Ethics, Justice, and Human Rights Specialty Group, Health and Medical Geography Specialty Group)

Room: Union Square 7, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Carl Wilmsen, Northwest Forest Worker Center; Vanessa Casanova

CHAIR(S): Carl Wilmsen, Northwest Forest Worker Center

Panelists: Michael Merten, Oklahoma State University

5137. Risk Communication and Resilience (Sponsored by Applied Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 10, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Bandana Kar, University of Southern Mississippi; David M. Cochran, University of Southern Mississippi

CHAIR(S): David M. Cochran, University of Southern Mississippi

8:00 Simona Epasto*, University of Macerata; Marcello Bernardo, University of Calabria; Francesco De Pascale, University of Calabria, *Resilience and seismic risk perception: educational paths in Calabria, southern Italy.*

8:20 David P Gimmich*, Texas State University - San Marcos; Colleen C. Hiner, PhD, Texas State University - San Marcos, *Evaluating and improving wildfire evacuation*

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in Austin, Texas through community engagement workshops.

- 8:40** Xiaohui Liu, M.S.*, The University of Southern Mississippi; Bandana Kar, Associate Professor, The University of Southern Mississippi; David M. Cochran, Associate Professor, The University of Southern Mississippi, *Citizen science and risk communication - An analysis of social media vs. traditional media.*
- 9:00** James Arnott*, University of Michigan; Susanne C. Moser, Susanne Moser Research & Consulting and Stanford University, *Resilience: Boundary object, sham or progress at the interface of science and practice?*
- 9:20** David M. Cochran, Ph.D.*, University of Southern Mississippi; Bandana Kar, University of Southern Mississippi, *Factors influencing public response to emergency alert and warning messages on the Mississippi Gulf Coast.*

5138. Landscape Backstories I (Sponsored by Landscape Specialty Group)

- Room: Union Square 11, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Ellen Hostetter, University of Central Arkansas
 CHAIR(S): Ellen Hostetter, University of Central Arkansas
- 8:00** Alyson L. Greiner*, Oklahoma State University, *Banal Nationalism and Back Stories: A Recipe for Mural Art during the New Deal.*
- 8:20** Ellen Hostetter, Ph.D.*, University of Central Arkansas, *Judges, Legal Opinions, and the Emerging Automotive Business Landscape: Case Studies from New Jersey and Pennsylvania.*
- 8:40** Paul B. Frederic*, University of Maine - Farmington; Paul B Frederic, University of Maine - Farmington, *Contested Space: Siting Rural Cellar Telephone Towers in Central Maine.*
- 9:00** Suzanne B Dickens, M.A.Ed., MSc.*, Front Range Community College, *Cracks in the Façade: The Effect on the Vernacular of the Production and Reproduction of the Santa Fe Style.*
- 9:20** Lisa Rainey Brownell, PhD*, Ohio State Historic Preservation Office, *Historic Preservation Tax Credits and Neighborhood Transformation.*

5139. Turkish Geograpy Studies

- Room: Union Square 12, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Ahmet Cavus, Atatürk University
 CHAIR(S): Chelsea Nestel, University of Wisconsin - Madison
- 8:00** Mehmet Deniz*, Usak Üniversitesi, *Local Residents Perception of Tourism Impacts in Kayaagil Village in Usak (Turkey).*
- 8:20** Fatih Orhan*, Erzincan University, *Traditional Plateau Residences and Touristic Value in Northern Eastern Turkey (Artvin Province).*
- 8:40** Salih Birinci*, Atatürk University, *An Example To Protected Areas Which Have Been Opened To Tourism: Tunca Valley Natural Park (NE Turkey).*
- 9:00** Ahmet ÇAVUS*, Atatürk University, *Changing Tourism Activity In Middle East After Arab Spring And Its Impact On Turkish Tourism.*
- 9:20** Chelsea Nestel*, University of Wisconsin - Madison, *Designing an Experience: Maps and Signs at Troy.*

5140. Masculinities, sexualities and place: exploring contested intersections 1 (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

- Room: Union Square 13, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Carl Anthony Bonner Thompson, Newcastle University; Peter E. Hopkins, Newcastle University
 CHAIR(S): Carl Anthony Bonner Thompson, Newcastle University
 Introducer: Carl Anthony Bonner Thompson
- 8:20** Derek Ruez*, University of Kentucky, *"Within this house":*

Citizenship and the sexual and gender geographies of migrant settlement.

- 8:40** Marco Venturi*, University College London (UCL), *Who Left the Closet Door Open? Gay Men and Masculinities in the Grindr Age..*
- 9:00** Kathryn Medien*, University of Warwick, *Geographies of Sexual Deviance: Palestinian Sex in the Israeli Settler Colony..*
- 9:20** Lynda Johnston*, University of Waikato, *'So I have been trans now for coming up to 10 years, but I don't identify as trans': the in between spaces and places of trans masculinities.*

5141. Natural Resources, Conservation, Water Resources

- Room: Union Square 14, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Paloma Carton De Grammont Lara, University of Florida
- 8:00** Robert Briwa*, Montana State University, *Environmental Governance in Pennsylvania's Anthracite Region.*
- 8:20** Kira Smith*, Portland State University, *Who's at the table? The political ecology of community based resource management in the Klamath River Basin.*
- 8:40** Aditi Ranjan, PhD*, MYMA Solutions; Pankaj Lal, PhD, Montclair State University, *Integrating Ecosystem Services in the Remediation Evaluation Process.*
- 9:00** Matthew G. Hatvany*, Université Laval and HGIS Laboratory, University of Saskatchewan, *'The Lake that Waits': Flyways, Waterfowl Conservation and the Rewriting of the Toponymic West.*
- 9:20** Paloma Carton De Grammont Lara, PhD*, University of Florida; Gerardo Bocco, PhD, CIGA-UNAM; Ana Córdova y Vázquez, PhD, El Colegio de la Frontera Norte; Antoinette M.G.A. WinklerPrins, PhD, Johns Hopkins University, *The social dimension in Mexican biodiversity conservation policy.*

5142. Advances in Cryosphere Research (Sponsored by Cryosphere Specialty Group)

- Room: Union Square 15, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Vena W. Chu, UCLA
 CHAIR(S): Vena W. Chu, UCLA
- 8:00** Marilyn Raphael*, UCLA; Jason Michael Ward, UCLA Department of Geography, *Ross Ice Shelf Polynya - Contribution to Antarctic Sea Ice Variability.*
- 8:20** Rituparna Nath*, University of Calgary; Shawn J. Marshall, University of Calgary, *Using Flow Line Modelling, Gis And Remote Sensing For Reconstructing Glacier Volume Loss Model For Athabasca Glacier, Canadian Rockies..*
- 8:40** Zhen Li*, Institute of remote sensing and digital earth, *The glacier thickness changes and mass balance estimating from spaceborne Synthetic Aperture Radar observations.*
- 9:00** Florian Tolle*, University of Franche-Comté; Alexander Prokop, UNIS The University centre in Svalbard; Eric Bernard, University of Franche-Comté CNRS; Jean-Michel Friedt, University of Franche-Comté; Madeleine Griselin, University of Franche-Comté, *Witnessing and measuring the impacts of cryosphere changes in the High Arctic.*
- 9:20** Adam W. Burnett*, Colgate University; Tim Coleman, Colgate University, *Automated Lake-Effect Snow Identification for the Syracuse, NY Region Using Base Reflectivity Radar.*

5143. Spatiotemporal Symposium: Complexity Theories in Geography I (Dynamic Networks) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)*

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ORGANIZER(S): Eun-Kyeong Kim, The Pennsylvania State University; Clio Andris; Xi Liu, Pennsylvania State University

CHAIR(S): Eun-Kyeong Kim, The Pennsylvania State University

8:00 Jeremy Auerbach*, University of Tennessee; Sergey Gavrilets, University of Tennessee; Mark van Vugt, VU University of Amsterdam, *Time to Consensus in Heterogeneous Social Networks*.

8:20 Kysang Kwon*, Korea Advanced Institute of Science and Technology, *The Evolution of World City Network, 2006-2013: The Case of the Ownership Structures in Transnational Corporations*.

8:40 Susan Pike, PhD*, University of California, *Social Networks, Geographies and Travel Behavior: A Comparison of Results from Two University Communities*.

Discussant(s): Clio Andris

5144. Rural Geography in Africa, Asia, and Middle and South America (Sponsored by Rural Geography Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)

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

CHAIR(S): Dawn M. Drake, Missouri Western State University

8:00 Nicolaas Philippus Geyer*, Student (Master's degree), *Counterurbanisation and rural development: comparisons between the developing and developed world*.

8:20 Nuratu Muhammad*, Bayero University Kano, *The Role Of Cooperative Societies In Expanding Rural Womens Social And Economic Empowerment In Parts of Kano And Jigawa States ,Nigeria..*

8:40 Emily Reisman*, University of California - Santa Cruz, *The Trouble with Tradition, Community, and Self-Reliance: Reframing Expectations for Village Seed Banks*.

9:00 Meshari S. Alenezi*, University of Florida, *A Geographic Study Of The Perception Of The Nature Reserves And National Parks In Kuwait*.

9:20 Fernando Campos Mesquita*, University of Campinas, *Regional Innovation Systems and Agricultural Development: The role of research centers in the moving of bioethanol production into the Brazilian Cerrados*.

5145. Cultural Geography: Place

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Toni A. Alexander, Southeast Missouri State University

8:00 Richard Heyman*, University of Texas at Austin, *Renegotiating Race and Landscape in the Wake of Charleston: The Case of Confederate Statues on the University of Texas Campus*.

8:20 Sarah Ashley Ryniker*, Georgia Southern University, *Savannah Neighborhoods in 1860: Examining an Irish Immigrant Community in the US South*.

8:40 Richard A. Waugh*, University Of Wisconsin, Platteville; L. Lynnette Dornak, University of Wisconsin-Platteville, *Perceptual Regions of Texas: Then and Now*.

9:00 Toni A. Alexander*, Southeast Missouri State University; Kathryn Adkins, Southeast Missouri State University, *Renewing North St. Louis: The Ethics of Geography in Place*.

9:20 Aina S. Niaz*, George Calfas, PhD, *"You're either with us, or against us" - A Sociocultural Examination on Strategic Semiotics and Populace Polarization*.

5146. Symposium on Human Dynamics Research: Privacy Issues (Sponsored by Geographic Information Science and Systems Specialty Group, Transportation Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Ling Yin, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences; Yu Liu, Peking University

CHAIR(S): Ling Yin, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

8:00 Grant McKenzie*, University of California - Santa Barbara, *Preserving Platial Privacy*.

8:20 Ling Yin*, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, *Re-Identification Risk versus Data Utility for Aggregated Mobility Research Using Mobile Phone Location Data*.

8:40 Li Shi, Institute of RS and GIS, Peking University; Yu Liu*, Institute of RS and GIS, Peking University, *Evaluate Uniqueness from Social Ties and Locations Using Mobile Phone Data*.

9:00 Jennie Day*, *Flying Flâneurs: The Socio-spatial and Socio-technical Implications of Recreational Unmanned Aerial Vehicles (recreational-UAVs) in Urban Airspace*.

Discussant(s): Daniel Z. Sui, The Ohio State University

5147. Symposium on Human Dynamics Research: Travel Dynamics (II)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Yang Yue, Shenzhen University; Donggen Wang, Hong Kong Baptist University; Shih-Lung Shaw, University of Tennessee

CHAIR(S): Donggen Wang, Hong Kong Baptist University
8:00 Jianghao Wang*, State Key Laboratory of Resources and Environmental Information System, Institute of Geographic Sciences & Natural Resources Research, Chinese Academy of Sciences; Wenjie Wu, Institute for Social Policy, Housing, Environment and Real Estate, Heriot-Watt University; Tianshi Dai, College of Economics, Jinan University, *The Geography of Cultural Ties and Human Mobility: New Evidence based on Social Media from China*.

8:20 Xiaming Chen*, Shanghai Jiao Tong University; Siwei Qiang, Shanghai Jiao Tong University; Yaohui Jin, Shanghai Jiao Tong University, *Uncovering General Laws of Human Mobility Dynamics from Mesoscopic Perspective*.

8:40 MING-HSUN CHEN*, National Taiwan University, *Exploring Travel Behavior by Volunteered Geographic Information*.

9:00 Yang Yue*, Shenzhen University; Yan Zhuang, Wuhan University; Wei Tu, Shenzhen University; Xiaomeng Chang, Shenzhen University; Shih-Lung Shaw, The University of Tennessee, *Can we reestablish the fact from fragmented information? -- Using travel survey as an example*.

9:20 Tyler Bonnell*, University of Lethbridge; S. Peter Henzi, University of Lethbridge; Louise Barrett, University of Lethbridge, *Extracting movement behaviour of individuals in groups with sparse data: baboons show bias towards certain group members*.

5148. Gender, Mobility, and Spaces of Conflict

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hyejin Yoon, University of Wisconsin - Milwaukee

8:00 Hyejin Yoon*, University of Wisconsin - Milwaukee; Hyosun Kim, Sangmyung University, *Return or Stay? South Korean female scholars' experiences in home and host country*.

8:20 Margarida Queiros*, Universidade de Lisboa, IGOT-CEG; Paulo Morgado, Universidade de Lisboa, IGOT-CEG; Nuno Marques Costa, Universidade de Lisboa, IGOT-CEG; Mario Vale, Universidade de Lisboa, IGOT-CEG; Nelson Mileu, Universidade de Lisboa, IGOT-CEG; Municipia; Fabio Rodrigues, Universidade de Lisboa, IGOT-CEG; Julia Maltez Guerreiro,

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Universidade de Lisboa, IGOT-CEG, *Patterns of Gendered Mobilities: inequality in space -time.*

8:40 Ellen Foster*, Rensselaer Polytechnic Institute, *Politics of Space in Maker Cultures: Mobility and Solidification of Public and Private Space Allocation.*

9:00 Neiset Bayouth*, University of Puerto Rico, *Diaspora, gender, identities and the cultural meanings of smoking.*

9:20 Elvira Maria Restrepo, PhD*, University of Miami, *Geographic Comparison of Women's Impact on Contemporary War and Peace.*

5150. 3rd Special Session Retail aspects in Urban Geography and Urban Planning I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)

Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Herman Kok, Multi / ODTU

CHAIR(S): Herman Kok, Multi / ODTU

Introducer: Herman Kok

8:05 Conrad Christiaan Kickert, PhD*, University of Cincinnati, *Optimized contraction - spatial transformation of urban core retail distribution in The Hague and Detroit 1911-2011.*

8:25 Joris Beckers*, University of Antwerp; Ivan Cardenas, University of Antwerp; Wouter Dewulf, dr., University of Antwerp; Ann Verhetsel, prof. dr., University of Antwerp, *The Geography of E-commerce Deliveries in Belgium.*

8:45 Steve Wood*, University of Surrey; Andrew Alexander, University of Surrey, *Regulation in Practice: Power, Context and Resources at the Local Scale in UK Food Retailing.*

9:05 Herman Kok*, Multi / ODTU, *Internationalization of retailing: The case of Turkey.*

9:25 Maura McGee*, CUNY - Graduate Center, *Starbucks and Gentrification: Race, Class and Coffee in Brooklyn.*

5151. The Geography of Infrastructure: States, Nature, and Capital (Part I) (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Carlo E. Sica, Syracuse University

CHAIR(S): Carlo E. Sica, Syracuse University

8:00 James Angel, Phd Candidate*, King's College London, *Towards an Energy Politics In, Against and Beyond the State: Reflection's on Berlin's Struggle for Energy Democracy.*

8:14 James A. Tyner*, Kent State University, *The Nature of State Capitalism: Irrigation under the Khmer Rouge.*

8:28 Jin-Tae Hwang*, Seoul National University Asia Center, *Neoliberalized developmental state-nature: The case of the Four Major Rivers Restoration Project in South Korea.*

8:42 Xi Wang*, University of Colorado, Boulder, *Taming the World's Most Complex Machine: Planning for China's Electricity Sector.*

8:56 Kathleen Guillozet, PhD*, Marylhurst University, *The Hydro-Social Cycle of a State-Driven Water Quality Market in Oregon, USA.*

9:10 Clare Marie Beer*, University of California - Los Angeles, *Selling Conservation: The Eco-economic Logics of Protected Areas in Chile.*

9:24 Travis K Bost*, University of Toronto, *Aesthetic Infrastructures or Technologies of Placation: State Climate Change Planning in Coastal Louisiana.*

5152. Creative Approaches to Cartography I (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Jorn Seemann, Ball State University

CHAIR(S): Jorn Seemann, Ball State University

8:00 Jacob Shell*, Temple University, *Animal Mobilities and Scrambled Maps: Creative Cartography and Mapping Geography Which is "Hard to Map".*

8:20 Jorn Seemann*, Ball State University, *Deconstructing Children's Maps of the World.*

8:40 David Woo, Dr.*, California State University East Bay, *Spatial Anchors and Distant Memories: A Study of Immigrant's Mental Maps of Their Homeland.*

9:00 André Reyes Novaes, PhD*, State University of Rio de Janeiro, *Maps and History of Art: survivals and series as research methods in the History of Cartography.*

9:20 Travis White*, University of Kansas; Terry Slocum, University of Kansas; Dave McDermott, Haskell Indian Nations University, *Communicating quantity through color: Trends and issues in the use of quantitative color schemes.*

5153. Social/human responses to water risks under a changing climate (Sponsored by Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Water Resources Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Liang Yang, University of Hamburg; Loretta Singletary, University of Nevada

CHAIR(S): Liang Yang, University of Hamburg

8:00 Julia Ekstrom, PhD*, University of California - Davis; Louise Bedsworth, PhD, UC Davis; Amanda Fencl, PhD, UC Davis, *Adapting Water Quality Management for Climate Change: Progress of Drinking Water Systems in California.*

8:20 Loretta Singletary*, University of Nevada, Reno; Kelley Sterle, Doctoral Candidate, University of Nevada, Reno, Division of Hydrologic Sciences; Karen Simpson, Doctoral Candidate, University of Nevada, Reno Department of Political Science, *Collaborative Modeling to Understand Climate Resiliency and Adaptation in Snow-fed Arid Land River Systems, Western USA.*

8:40 Luke Juran*, Virginia Tech; Breeana Prince, Virginia Tech, *"My energy first goes to water, then I worry about the rest of my day": water security among households with access to improved sources in India.*

9:00 Therese Rudebeck*, University of Cambridge, *Corporate Water Stewardship: challenges and opportunities associated with a growing private sector involvement in water governance within and beyond factory fences.*

9:20 Crystal Tremblay, PhD*, University of British Columbia, *Participatory water governance in Urban Africa: building citizenship through arts-based engagement.*

5154. Big Data for Urban and Regional Analysis (I) (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Daniel Arribas-Bel; Emmanouil Tranos, University of Birmingham; David C. Folch, Florida State University

CHAIR(S): Emmanouil Tranos, University of Birmingham

8:00 Ate Poorthuis*, Singapore University of Technology and Design, *How to Draw a Neighborhood? The Potential of 'Big Data' for Understanding (the perception of) Urban Neighborhoods.*

8:20 Sairi Tatiana Pineros, PhD Student*, Panthéon-Sorbonne University; EIREST - Interdisciplinary team of Studies on Tourism; ESILV - Léonard de Vinci Pôle Universitaire, Technology Lab, *Big Data and tourism in the cities of developing countries: A case study of Colombian cities.*

8:40 James Cheshire*, University College London, *Big, Open Data for Urban Geographical Analysis.*

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9:00 Daniel Arribas-Bel, PhD*, University of Liverpool; Emmanouil Tranos, PhD, University of Birmingham, *New approaches to measure the spatial structure(s) of cities.*

Discussant(s): David C. Folch, Florida State University

5155. Authors-Meet-Critics: Beyond the Kale: Urban Agriculture and Social Justice Activism in New York City by Kristin Reynolds and Nevin Cohen (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Kristin Reynolds, The New School; Nevin Cohen, CUNY School of Public Health

CHAIR(S): Christine C. Caruso, Eastern Connecticut State University

Introducer: Christine C. Caruso

Discussant(s): Kristin Reynolds, The New School; Nevin Cohen, CUNY School of Public Health

Panelists: Nathan McClintock, Portland State University; Daniel R. Block, Chicago State University; Evan Weissman, Syracuse University; Gail Myers, Farms To Grow; Hank Herrera, Center for Popular Research, Education and Policy, Tela D'arweh, Llc

5156. Practices of Gentrification 1: The micro-politics of gentrification

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Huub Ploegmakers; Arnoud Lagendijk, Radboud University Nijmegen; Yvonne Franz

CHAIR(S): Arnoud Lagendijk, Radboud University Nijmegen

8:00 Lukas Smas*, Nordregio; Liisa Perjo, Nordregio; Peter Schmitt, Nordregio; Moa Tunström, Nordregio, *Neoliberal Politics of Urban Planning Practices in State-led Property Development.*

8:20 Martin Phillips*, University Of Leicester; Darren Smith, Loughborough University, *Assembling Comparative Studies of Gentrification: an International Exploration of Rural Gentrification.*

8:40 Freek De Haan*, Radboud University Nijmegen; Serap Kayasu, Middle East Technical University; Emine Yetiskul, Middle East Technical University, *Practices of politicizing gentrification: The emergence, organization and governance of an urban issue in three European neighborhoods.*

Discussant(s): Jason Luger, King's College London Cities Group

5157. Rural Development in China: Challenges, Resilience and Opportunities I (Sponsored by China Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Yansui Liu, Chinese Academy of Sciences

8:00 Hualou Long*, IGSNRR, CAS, *Challenges for the Future of Rural China: A Spatial Restructuring Perspective.*

8:20 Yuheng Li*, Chinese Academy of Sciences, *Rural Resilience in Response to the Decline of Rural China.*

8:40 Zi Li*, School of Design and Environment, National University Of Singapore, *Culture and Competition from E-commerce service in Rural Transformation - China's New Online-Mobile Urbanism.*

9:00 Wang Jieyong*, *Rural Depopulation and its Effects on Settlements in North China Plain: Case Study of Three Villages.*

9:20 Yansui Liu*, Beijing Normal University, *Rural hollowing problem in China: The evolution process, driving forces and policy implications.*

5158. Urbanization and Urban Transformation in China (Sponsored by China Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Xiaoguang Wang, Central Michigan University

8:00 Xiang Liu*, Peking University, *The spatial disparity and determinants of semi-urbanization in China.*

8:20 Matthias Falke*, Ruhr-University Bochum, *Urban Governance and Transformation of Chinese Coal Cities - the Case of Xiaoyi, Shanxi Province.*

8:40 Qingxu Huang*, Beijing Normal University, *The population in China's earthquake-prone areas has increased by over 32 million along with rapid urbanization.*

9:00 De Tong, School of Urban Planning and Design, Shenzhen Graduate School, Peking University, Shenzhen, China; Xiaoguang Wang*, Geography, Central Michigan University; Nanqi Zhao, School of Urban Planning and Design, Shenzhen Graduate School, Peking University, Shenzhen, China, *How the Dual Land Ownership System Affects Urban Expansion: the Case of Shenzhen, China.*

5159. Asphalt Jungle? Untangling Urban Foodscapes (Sponsored by Urban Geography Specialty Group, Geographies of Food and Agriculture Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Garrett Graddy-Lovelace, American University School of International Service

8:00 Billy Hall*, Florida International University, *From Food Desert to Folk Life Village: Race, Property, and the Redevelopment of Black Neighborhood Foodscapes.*

8:20 Ilonca Vaartjes*, University Medical Center Utrecht, *Fast food restaurants density is associated with increased cardiovascular disease incidence In urban areas in The Netherlands.*

8:40 Grace Kellner*, University of Denver, *Gardening for security? A case study of the influence of community gardening on food security in Denver.*

9:00 Jennifer Blecha*, San Francisco State University, *Acceptable Slaughter: How municipal ordinances categorize animals and purposes for their slaughter.*

Discussant(s): Garrett Graddy-Lovelace, American University School of International Service

5160. Convention theory in agro-food studies: Past, present and future 1 (Sponsored by Geographies of Food and Agriculture Specialty Group, Economic Geography Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Stefano Ponte, Copenhagen Business School

CHAIR(S): Stefano Ponte, Copenhagen Business School

8:00 Christopher Rosin*, Centre for Sustainability: Agriculture, Food, Energy, Environment; Hugh Campbell, Professor, University of Otago; Katharine Legun, Doctor, University of Otago, *In pursuit of hopeful interventions: performativity and regimes of justification in agri-food research.*

8:20 Renata Blumberg*, Montclair State University, *Conventions in Alternative Food Networks: Perspectives from Eastern Europe.*

8:40 Filippo Barbera*, University of Torino; Roberto Di Monaco, University of Torino; Joselle Dagnes, University of Torino, *Measuring Quality Conventions in Alternative Food Networks.*

9:00 David M Evans*, University of Manchester, *Taking conventions (and convention theory) elsewhere: processes of consumption and qualification in industrial worlds of food.*

Discussant(s): Stefano Ponte, Copenhagen Business School

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- 5168. Disease transmission and diffusion (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Monterrey II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Peng Gao, University at Buffalo
8:00 Lu Liang*, University of Arkansas, Monticello, *Assessment of knowledge towards the relationship between climate change and human infectious disease from geo-temporal contextual perspectives.*
8:20 Tzai-Hung Wen*, National Taiwan University, *Measuring the Local Neighborhood Effects on Large-scale Spatial Diffusion of Dengue Epidemics in High-Epidemic Areas.*
8:40 Peng Gao*, University at Buffalo; Ling Bian, University at Buffalo, *Epidemic Spreading in Contact Networks with Cluster Structure.*
9:00 Temitope Alimi*, University of Miami, *Civil conflict as a driver of malaria trends in Colombia 2000-2014.*
9:20 Hyesop Shin*, Seoul National University Asia Center; Soojin Park, Seoul National University Asia Center, *Discovering the Middle East respiratory syndrome coronavirus (MERS-CoV) determinants and transmission path through patients in South Korea under an agent-based approach.*
- 5169. Spatial statistics and disease mapping (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel I, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Yongwan Chun, The University of Texas at Dallas
8:00 Daniel A. Griffith, University of Texas at Dallas; Monghyeon Lee, University of Texas at Dallas; Yongwan Chun*, The University of Texas at Dallas, *Impacts of data uncertainties in spatial health data on regression analyses: location and measurement errors.*
8:20 Warangkana Ruckthongsook, Ph.D. Candidate*, University of North Texas; Joseph R. Oppong, Ph.D., University of North Texas; Chetan Tiwari, Ph.D., University of North Texas; Prathiba Natesan, Ph.D., University of North Texas, *Bandwidth Selection for Kernel Density Estimation in Disease Mapping.*
8:40 Nicolas Saravia*, *A multi-level modeling analysis of tuberculosis incidence in Bolivia.*
9:00 Yanzhe Yin*, University At Buffalo; Geoffrey Mark Jacques, Ph.D, University at Buffalo, *Spatial statistics of genome: Methods for detecting selection of gene deletions.*
9:20 Han Zhang*, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Institute for Global Change Studies, Tsinghua University, Beijing, China; Yali Si, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Institute for Global Change Studies, Tsinghua University, Beijing, China; Xiaofeng Wang, Center for Disease Surveillance and Information Services, Chinese Center for Disease Control and Prevention, Beijing, China; Peng Gong, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Institute for Global Change Studies, Tsinghua University, Beijing, China, *Environmental Drivers of Bacillary Dysentery in Southwest China.*
- 5170. HIV transmission and policy in the US and Mexico (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)
 ORGANIZER(S): Geography and Urban Health; Kimberly Brouwer, University of California at San Diego; Mei-Po Kwan, University of Illinois at Urbana-Champaign
 CHAIR(S): Kimberly Brouwer, University of California at San Diego
8:00 Kimberly C. Brouwer, PhD*, University of California at San Diego; Tommi L. Gaines, DrPH, University of California at San Diego; Mei-Po Kwan, PhD, University of Illinois at Urbana-Champaign; Erin E Connors, University of California at San Diego; Hugo Staines, MD, Universidad Autonoma de Ciudad Juarez; Carlos Magis-Rodriguez, MD, PhD, National Center for the Prevention and Control of HIV/AIDS (CENCIDA) of Mexico; Jay G. Silverman, PhD, University of California at San Diego, *Individual, structural, and spatial factors affecting access to HIV and related care among marginalized women at the US/Mexico border.*
8:20 Nathan Heard, DSc*, U.S. Department of State; Mark DeZalia, MS, MPA, Centers for Disease Control and Prevention, *The Geography of PEPFAR 3.0.*
8:40 Peter Davidson, PhD*, University of California, San Diego, *Using drugs in unsafe spaces: a qualitative GIS approach.*
9:00 Tommi L Gaines, DrPH*, University of California San Diego; Erin Connors, MPH, University of California San Diego; Carlos Magis-Rodriguez, MD, PhD, Centro Nacional para la prevención y Control del VIH/SIDA; Mei-Po Kwan, PhD, University of Illinois at Urbana-Champaign; Kimberly C Brouwer, PhD, University of California San Diego, *Mobility and HIV Risk in a Mexico-U.S. Border City.*
9:20 Erin Connors, MPH*, University of California San Diego; Tommi L Gaines, PhD, University of California, San Diego; Carlos Magis-Rodriguez, MD, PhD, Centro Nacional para la Prevención y el Control del VIH y el SIDA (CENSIDA), Mexico City, Mexico; Marta M Jankowska, PhD, University of California, San Diego; David J Moore, PhD, University of California, San Diego; Melanie L Rusch, PhD, University of Victoria, Victoria, Canada; Kimberly C Brouwer, PhD, University of California, San Diego, *Neighborhood and structural factors associated with methamphetamine smoking among female sex workers at the US/Mexico border.*
- 5174. Current Urban Strategies in the Middle East #1: Highlighting socio-spatial conflicts**
Room: *Bellevue Room, Marker Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Oded Haas, York University; Murat Ucoglu, York University - Toronto, ON
 CHAIR(S): Oded Haas, York University
 Introducer: Oded Haas
 Introducer: Murat Ucoglu
8:20 Wafae Belarbi*, *Social mobilizations in the Peripheral area of southern Casablanca.*
8:40 Siobhán R Mcphee, PhD*, University of British Columbia, *A city of spatial inequalities: visualizing migration in Dubai.*
9:00 Felix Hartenstein*, Technische Universität Berlin, *Public Life in a Private Town - How corporate urban governance impacts the cityscape, public spaces, and community life in El Gouna.*
9:20 Azam Khatam*, York University; Azam Khatam, Researcher, *The Paradox of Land and Growing Urban Inequality.*
- 5175. Climate Change: Impacts, Equity, and Policy Struggles**
Room: *Paris North, Marker Hotel, Lobby Level* (Paper Session)
 ORGANIZER(S): Bhavna Shamasunder, Occidental College; Jade Sasser, University of California - Riverside
 CHAIR(S): Bhavna Shamasunder, Occidental College
8:00 Abigail N. Martin*, The Don Vial Center for Employment in the Green Economy, University of California, Berkeley, *The Politics of Equity in California Climate*

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Policies and Low-Carbon Development.

8:20 Jade Sasser, PhD*, University of California - Riverside, *Negotiating Gender and Development in Ethiopia's National Cookstove Program.*

8:40 Bhavna Shamasunder, PhD*, Urban and Environmental Policy, Occidental College, *Oil Drilling in Los Angeles: The Critical Intersections of Place and Environmental Justice.*

9:00 Mary Finley-Brook*, University of Richmond, *Fossil fuel divestment, re-investment strategies, and implications for environmental justice.*

5176. Critical environmental governance I: politics and power in the material world (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: Paris South, Marker Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Miles Kenney-Lazar; Adrienne Johnson, Clark University

CHAIR(S): Miles Kenney-Lazar

Introducer: Miles Kenney-Lazar

Discussant(s): Miles Kenney-Lazar

Panelists: Anthony J. Bebbington, Clark University; Elizabeth Havice, University of North Carolina-Chapel Hill; Matthew Himley, Illinois State University; Tracey Osborne, University of Arizona; Jennifer L. Rice, The University of Georgia; Farhana Sultana, Syracuse University

5178. Future Directions in CyberGIS I (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Wenwen Li, Arizona State University; Luc Anselin, Arizona State University; Shaowen Wang, University of Illinois at Urbana-Champaign

CHAIR(S): Luc Anselin, Arizona State University

8:00 Xun Li, Ph.D., GeoDa Center, Arizona State University; Luc Anselin, Ph.D., GeoDa Center, Arizona State University; Julia Koschinsky, Ph.D.*, GeoDa Center, Arizona State University, *GeoDa Web - Enhancing Web-Based Mapping with Spatial Analytics.*

8:20 Deepak Mishra*, University of Georgia, *Cyber-Cyano: Linking big data science with remote sensing for effective monitoring of water resources.*

8:40 Sheng Wu*, Southwest University; Wenwen Li, Arizona State University; Xiran Zhou, Arizona State University, *A Scalable Semantic-enabled Cyberinfrastructure Platform to Support Semantic Query and Reasoning of Spatiotemporal Data.*

9:00 Michael P. Bishop, Ph.D.*, Texas A & M University; Iliyana D. Dobрева, Texas A&M University; Anthony Filippi, Texas A&M University; Marek Moszynski, Gdansk University of Technology; Pawel Czarnul, Gdansk University of Technology; Andrzej Chybicki, Gdansk University of Technology; Marcin Kulawiak, Gdansk University of Technology, *Topographic Normalization of Satellite Imagery: Integration of Radiation Transfer Modeling, Geovisualization, Geomorphometry, and High-Performance Computing.*

5179. Historical Ecology 1 - Forests (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Chris Larsen, University At Buffalo; Yi-Chen Wang, National University of Singapore; Maggi Kelly, University of California

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

8:00 Melissa Hinten*, University of Tennessee, *Reconstructing Land Use Patterns within a Tallgrass Prairie*

Landscape Using Public Land Survey Data.

8:20 Michael E Folkoff, Ph.D., Salisbury University; Christopher H Briand, Ph.D., Salisbury University; Daniel W. Harris, Ph.D.*, Salisbury University, *Reconstructing the Colonial Forest of the Mid-Atlantic Coastal Plain in Wicomico County, Maryland.*

8:40 Christine Ann Purpura, MS*, University at Buffalo, Department of Geography; Chris Larsen, PhD, University at Buffalo, Department of Geography; Stephen Tulowiecki, PhD, State University of New York at Geneseo, Department of Geography, *Changes in forest composition between ca. 1800 and 2013 AD through a spatially exact resurvey of original survey lines, western New York..*

9:00 Kelly Easterday*, University of California - Berkeley; Maggi Kelly, UC Berkeley; Patrick McIntyre, California Department of Fish and Wildlife, *Disentangling drivers of change in California Forests: management and climate.*

9:20 Valerie Anderson*, *Historical Ecology of Split Oak Forest in central Florida.*

5180. Town, gown and urban transformation in the 21st century city (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Panel Session)

ORGANIZER(S): Jennifer Mapes, Kent State University

CHAIR(S): Jennifer Mapes, Kent State University

Introducer: Jennifer Mapes

Panelists: Euan Hague, DePaul University; Jacob Robert Wolff, University of New Mexico; Jennifer Mapes, Kent State University; Steve Millington, Manchester Metropolitan University; Jean-Paul Addie, University College London

5181. 'In search of the good life: lifestyle led mobilities' (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Maria Casado-Diaz, University of the West of England

CHAIR(S): Maria Casado-Diaz, University of the West of England

8:00 Maria Casado-Diaz, Dr*, University of the West of England; Ana Casado-Diaz, Dr, University of Alicante, Spain, *'And life goes on: a qualitative longitudinal study of lifestyle migration to Spain'.*

8:20 Remy Tremblay*, Université Du Quebec, *Between Tourism And Migration.*

8:40 Matthew Hayes, PhD*, St. Thomas University; Raúl Lardiés Bosque, PhD, Universidad de Zaragoza, *Searching for the good life in Ecuador and Mexico: Cost of Living Narratives and Utilitarian transnationalism in the Americas.*

Discussant(s): Anna Gavanas, Linköping University

5182. Biodiversity conservation, culture and context - new insights from political ecology 1 (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Beijing, Marker Hotel, 2nd Floor (Paper Session)

ORGANIZER(S): Ivan Scales, University of Cambridge;

Riamsara Kuyakanon Knapp, University of Cambridge

CHAIR(S): Ivan Scales, University of Cambridge

8:00 David Havlick*, University of Colorado - Colorado Springs, CO, *Conservation and the Re-Production of Militarized Landscapes.*

8:20 Neera Singh*, University of Toronto, *Affective Socionature Entanglements and Biodiversity Conservation.*

8:40 Ivan Scales*, University of Cambridge, *Identity and natural resource use: How ethnicity, gender and class intersect to influence mangrove oyster harvesting in The Gambia'.*

9:00 Riamsara Kuyakanon Knapp*, University of Cambridge,

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Muddying political ecological waters: Serpent spirits and mountain gods as actants in Bhutan.

Discussant(s): Mara Jill Goldman, University of Colorado

5201. Graduate Student Associations: Leadership, Purpose & Improvement (Sponsored by Graduate Student Affinity Group)

Room: Golden Gate 1, Hilton Hotel, Lobby Level (Panel Session)
 ORGANIZER(S): Kalli F. Doubleday, University of Texas, Austin
 CHAIR(S): Kalli F. Doubleday, University of Texas, Austin
 Discussant(s): Kalli F. Doubleday, University of Texas, Austin
 Panelists: Trey Daniel-Aaron Murphy, Texas A&M University;
 Danny Bednar, Western University; Emanuel Storey,
 San Diego State University; Dexter Locke, Clark
 University

5202. Bourdieu, Space & Geography: Fieldwork Reflections & Theoretical Innovations (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Golden Gate 2, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Ryan Centner, London School of Economics;
 Christopher Suckling, London School of Economics
 CHAIR(S): Ryan Centner, London School of Economics
 10:00 Loic Waquant*, University of California Berkeley, *The trialectic of symbolic, social, and physical space: Bourdieu for Geographers.*
 10:20 Christopher Suckling*, London School of Economics, *Cultivating Hierarchy: Letting Bourdieu Deal With Uncertainty in Sierra Leone's Cannabis Economy.*
 10:40 Henrik Erdman Vigh*, University of Copenhagen, *Bourdieu in Bissau: refiguring 'fields' in conflict.*
 11:00 Ryan Centner*, London School of Economics, *Space as a Field: Habitus, Capital & Place.*
 Discussant(s): Jordanna Matlon, American University

5203. Unlocking the resource peripheries of the Global north? (Sponsored by Economic Geography Specialty Group)

Room: Golden Gate 3, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Bjornar Sather, University Of Oslo; Jarmo Kortelainen, University Of Eastern Finland
 CHAIR(S): Bjornar Sather, University Of Oslo
 10:00 Jarmo Kortelainen*, University Of Eastern Finland, *Bioeconomy society - old wine in a new bottle?.*
 10:20 Veli-Pekka Tynkkynen*, University of Helsinki, *Greening Regional Energy Policies in the Russian Arctic? Encountering State Energopower in Archangelsk and Karelia.*
 10:40 Bjornar Sather*, University Of Oslo, *Renewal or continued marginalization of the forest based industries?.*
 11:00 Philippe Le Billon*, University of British Columbia, *Which Way Out for the Tar Sands? Pipelines, Canada and the Geo-Politics of Extractivism.*
 11:20 Sabina Bergstén*, Umeå University, *'New' forest owners - 'distant' forest owners? A qualitative study about the construction of sense of place among forest land owners in Sweden.*

5205. The Turgai Geoglyphs: A 7,000 Year Old Mystery (Sponsored by Russian, Central Eurasian, and East European Specialty Group, International Research and Scholar Exchanges Committee)

Room: Golden Gate 5, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Jeremy Tasch, Towson University
 CHAIR(S): Jeremy Tasch, Towson University
 10:00 Assel Baibakishева*, Kazakhstan National Geographic Society; Saulet Sakenov, Kazakhstan National Geographic Society; Zhana Rustem, Kazakhstan National Geographic Society; Marat Ishankulov, Kazakhstan National Geographic Society, *The Turgai Geoglyphs: A 7,000 Year Old Mystery.*
 Discussant(s): Assel Baibakishева, "Kazakhstan National

Geographic Society" Corporate Fund; Saulet Sakenov, "Kazakhstan National Geographic Society" Corporate Fund; Marat Ishankulov, Republican Assosiation "Kazakhstan National Geographic Society"

5206. Actually Existing Shrinkage: Dual Trajectories in the Shrinking City

Room: Golden Gate 6, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Jason Knight, SUNY Buffalo State; Russell Weaver, Texas State University
 CHAIR(S): Jason Knight, SUNY Buffalo State
 10:00 Jason Knight, PhD, AICP*, SUNY Buffalo State; Russell C. Weaver, PhD, Texas State University, *Divergent Neighborhood Trajectories in a Shrinking City: Growth and Decline Side-by-Side in Buffalo, New York.*
 10:20 Russell Weaver*, Texas State University; Jason Knight, SUNY Buffalo State, *The Patchwork Geographies of Socioeconomic and Physical Distress in American Urban Areas.*
 10:40 Torsten Schunder*, University at Buffalo, *Legacy Effects in Urban Shrinkage - The difference between short-term decline and shrinkage.*
 11:00 Mark E. O'Malley, Ph.D., U.C. Berkeley*, None, *A Tale of Two Cities: Recovery From Economic Shock in Cleveland and Pittsburgh.*
 11:20 Huiyu Lin*, Binghamton University, *The Association between Population Distribution Change and Land Use and Land Cover Change in a Shrinking Post-Industrial Area.*

5207. Urban Waters II: the Social Lives of Public Aquatic Spaces

Room: Golden Gate 7, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Naomi Adiv, Portland State University; Nathalie Boucher, Université de Montréal
 CHAIR(S): Naomi Adiv, Portland State University
 10:00 Adrien BOUZARD*, University Paris West Nanterre La Défense, *The urban aquatic spaces role in the construction and the reproduction of a boatmen caste and class elite on the banks of the Ganges.*
 10:20 Diane Ward*, UCLA Ph.D. candidate, *Envisioning urban waters: The Los Angeles River .*
 10:40 Laurie Daffe*, Université catholique de Louvain (Belgium), *An ethnography of private houseboats and public fluvial areas in Belgium.*
 11:00 Robert Oliver*, Virginia Tech; Lewis Bellas, University of Manchester; John Laueremann, Rhode Island School of Design, *Taking Care of Business in the Competitive City: Waterfront Spectacular or Post-Political dystopia?.*
 Discussant(s): Kurt Iveson, University of Sydney

5208. Forests, Forest Management, Tree Mortality

Room: Golden Gate 8, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Brandyn Balch, SUNY - Geneseo
 10:00 Kyle Rodman*, University of Colorado - Department of Geography; Andrew Sánchez Meador, PhD, Northern Arizona University - School of Forestry, *On quantifying openings in forest point pattern datasets.*
 10:20 Lydia Sakah Fondufe*, Cameroon university; Jude Ndzifon Kimengsi, Catholic University of Cameroon, *strengthening women participation for sustainable forest management in the bimbina bonadikombo community forest of cameroon: opportunities, challenges and blueprints.*
 10:40 Brett Goforth*, California State University - San Bernardino, *Pyriscence Risk in Drought-killed Serotinous Pine Forest.*
 11:00 Brandyn Balch*, SUNY - Geneseo, *Potential Impacts of Hemlock Woolly Adelgid Induced Tree Mortality on Hemlock Ravine Lotic Ecosystems.*

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5209. Choices and Changes in Residential Housing and Development

Room: Plaza A, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bumsab Park, Arizona State University

10:00 Rama P. Mohapatra*, Minnesota State University, Mankato; Yves Oelke, Minnesota State University, Mankato, *Greater Mankato, MN Employees: Where do they live and Why?*.

10:20 Matthew Ryan Cartlidge, Ph.D., GISP*, Prince William County Public Schools, *Estimating Amenity Benefits Associated with Residential Property Values in a Subdivision Designed for Conservation: A Hedonic Pricing Model Approach*.

10:40 Firas Sami Alqatrani, University of Szczecin; Firas Sami Alqatrani*, University- Szczecin, *Residential Regions in the City of Al Zubair (Iraq)*.

11:00 Pengyu Zhu*, *Telecommuting and the Housing Choices*.

11:20 Bumsab Park*, Arizona State University, *Spatiotemporal Changes in Apartment Housing Price in Seoul, Korea between 2006 and 2015: A GWR Approach*.

5210. Georeferenced Settlement Mapping and Population Estimates Based on Remote Sensing and Microcensus Data in Northern Nigeria

Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Eric Weber, Oak Ridge National Laboratory; Vincent Seaman, Bill & Melinda Gates Foundation

CHAIR(S): Vincent Seaman, Bill & Melinda Gates Foundation

10:00 Vincent Y. Seaman, Ph.D.*, Bill & Melinda Gates Foundation, *Georeferenced Settlement Mapping and Population Estimates Based on Remote Sensing and Microcensus Data in Northern Nigeria*.

10:20 Eric Weber*, Oak Ridge National Laboratory; Budhendra Bhaduri, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Census-Independent Population Mapping with High-Resolution Settlement Data*.

10:40 Andrew Reith*, Oak Ridge National Laboratory, *Examining Human Settlement Growth in Urban Areas Using Historical Imagery*.

11:00 Kelly Sims*, Oak Ridge National Laboratory; Eric Weber, Oak Ridge National Laboratory; Jiange Yuan, Oak Ridge National Laboratory, *Combining Automated and Manual Segmentation Techniques for Settlement Characterization*.

11:20 Tomas Bird*, University of Southampton; Sorichetta Alessandro, Dr., University of Southampton; Carla Pezzulo, Dr., University of Southampton; Victor Alegana, Dr., university of Southampton; Andy Tatem, Prof., University of Southampton, *High resolution prediction of population demographics from geolocated household survey data..*

5211. Distinguished Historical Geographer Plenary: Producing Public Geographies: Creating a Field Guide to the Western American Landscape (Sponsored by Cultural Geography Specialty Group, Historical Geography Specialty Group)

Room: Continental 1, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Anne Kelly Knowles, Middlebury College

CHAIR(S): Maria D. Lane, University of New Mexico

Introducer: Anne Kelly Knowles

Panelists: William Wyckoff, Montana State University

5212. Remote Sensing of Coastal Zones and Aquatic Environments (Sponsored by Remote Sensing Specialty Group)

Room: Continental 2, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University of Denver

CHAIR(S): Benjamin Page, University of Georgia

10:00 Haibin Su*, Texas A&M University - Kingsville, *Incorporating Spatial Correlation for Improving the Prediction of Water Depth from Multi-Spectral Satellite*

Imagery.

10:20 Perumal Balakrishnan*, Qatar University; Abdullah Halimi, Qatar University, *Remotely Sensed Empirical Modeling of Bathymetry in the East Coast of Qatar*.

10:40 Sabah Saleh Aljenaïd, Associate Professor*, Arabian Gulf University; Eman Ghoneim, Associate Professor, University of North Carolina Wilmington; Ghadeer Mohd Redha Khadeem, MSc. GIS; Mohammad Sulaiman Abido, Professor of Environment; Nadir Abdel Hameed, PhD. Environment and GIS; Wisam Mohd, PhD, Geoinformatics and Environment; Khalil AlWudaei, MSc. In Biology; Saeed Mansoor, MSc. Management; Abdel Nabi, BSc. Biology; Ahmed AlKhateem, *Integrating remote sensing and field survey to map Shallow Water Benthic Habitat for the Kingdom of Bahrain*.

11:00 Qian Yu*, University of Massachusetts; Jiwei Li, University of Massachusetts; Yong Q. Tian, Central Michigan University, *Remote sensing of dissolved organic carbon in non-optically deep waters for the assessment of terrestrial-aquatic carbon flux*.

11:20 Benjamin Page*, Department of Geography, University of Georgia; Deepak Mishra, Department of Geography, University of Georgia, *A Performance Evaluation of Atmospheric Correction Models for Landsat 8 over Turbid Waters*.

5215. Climate

Room: Continental 5, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alessandra Gabrielle Shea, University of Hawaii - Manoa

10:00 Vickie Ly*, NASA DEVELOP Program - ARC, *Navajo Nation Climate*.

10:20 Richard C. Daniels, GISP*, Washington State Department of Transportation, *Impacts of the 2015-2016 El Niño on Coastal Oregon and Washington*.

10:40 Karen Michelle Montes Berríos*, University of Puerto Rico, Río Piedras Campus, *Managing water resources in the Caribbean during El Niño events of 1994-2015*.

11:00 Jordan Ped, DEVELOP National Program- NASA Ames Research Center; Erica Scaduto, DEVELOP National Program- NASA Ames Research Center; Emma Accorsi, DEVELOP National Program- NASA Ames Research Center; Alannah Johansen*, NASA DEVELOP Program - ARC, *Caribbean Oceans*.

11:20 Alessandra Gabrielle Shea*, University of Hawaii - Manoa, *Conserving a Caribbean Eden; Cuba's changing marine management*.

5216. International Water Resources

Room: Continental 6, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James C. Fraser, Vanderbilt University

10:00 Jacob Petersen-Perlman*, Hebrew University of Jerusalem, *Including Environmental Considerations in Transboundary Water Agreements*.

10:20 Melissa McCracken*, Oregon State University, *Revisiting the World's International River Basins*.

10:40 Christina Faris*, University of New Mexico, *Urban Water Development Projects: Analyzing the World Bank's "Blue Water Green Cities" Initiative in Latin America*.

11:00 Valerie Rizzuto-Sadhoo*, University of South Florida School of Geosciences; Kamal Alsharif, PhD, University of South Florida School of Geosciences, *Achieving equity in water supply on small islands by considering population dynamics: Mauritius as an example*.

11:20 James C. Fraser*, Vanderbilt University; Joshua Bazuin, Vanderbilt University, *The Political Ecology of Water Infrastructure for State Formation in Sri Lanka*.

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- 5219. Historical geographic information handling, analysis and visualization (Sponsored by Cyberinfrastructure Specialty Group)**
Room: *Continental 9, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Kai Cao, NUS
 CHAIR(S): Kai Cao, NUS
10:00 Robert Lee*, University of California - Berkeley, *A Nation of Real Estate 1788-2012: Mapping Historical Public Domain Patents.*
10:20 Catherine Kyle*, University of British Columbia, *Visualizing the Spatial Implications of Race-based Government Policy: Comparing Chinese and Japanese Land Ownership in early Kelowna, BC, Canada.*
10:40 Angela Cunningham, PhD student*, University of Colorado; Daniel Brown, PhD, University of Michigan; Thomas W Dickinson, University of Colorado; Myron P Gutmann, PhD, University of Colorado; Susan Hautaniemi Leonard, PhD, University of Michigan; Jani S Little, PhD, University of Colorado; Jeremy Mikecz, PhD candidate, University of California-Davis; Paul Rhode, PhD, University of Michigan; Seth Spielman, PhD, University of Colorado; Kenneth M Sylvester, PhD, University of Michigan, *Multi-scale analysis of American environmental migration patterns in the 1930s.*
11:00 Devon James Libby*, Minnesota State University; Phillip H Larson, PhD, Minnesota State University; Patrick Belmont, PhD, Utah State University; Douglas J Faulkner, PhD, University of Wisconsin-Eau Claire, *Quantifying Historic Channel Change Dynamics of the Minnesota River, south-central Minnesota, USA.*
11:20 Junior Darsan, Dr.*, Department of Geography, University of the West Indies - St. Augustine, Trinidad., *Digital mapping of the coastline evolution of Cocos Bay (Manzanilla), Trinidad.*
- 5220. Pyrogeography II: Fire in the West (Sponsored by Remote Sensing Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: *Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Paul Laris, CSU Long Beach; Megan K. Walsh, Central Washington University
 CHAIR(S): Megan K. Walsh, Central Washington University
10:00 Alan H. Taylor*, Pennsylvania State University, *Socio-ecological transitions trigger fire regimes shifts and modulate fire-climate in the Sierra Nevada, California, USA.*
10:20 Michael Commons*, Syracuse University, *A Century of Wildfire in California: Historical Pyrogeography through Geospatial Analysis.*
10:40 Katherine Glover*, UCLA; April Chaney, UCLA; Glen MacDonald, UCLA, *A 90,000-year fire history from the San Bernardino Mountains, Southern California.*
11:00 Megan K. Walsh*, Central Washington University, *A Regional Assessment of the Post-Glacial Fire History of the Eastern Washington Cascades, USA.*
11:20 Jacob Bendix*, Syracuse University, *Impacts of Santa Ana Winds on Wildfire in Southern California.*
- 5221. Geographies of the Everyday: Embodied Experiences of Othering and Violence Session II (Sponsored by Cultural Geography Specialty Group)**
Room: *Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Gordon Andrew Cromley, Kent State University; Christabel Devadoss; Samuel Henkin, University of Kansas
 CHAIR(S): Christabel Devadoss
10:00 Christabel Devadoss*, West Virginia University, *Othering, sound, and identity negotiation within the Indian Tamil diaspora.*
10:20 Ingrid Jerve Ramsøy*, Malmö University, *Care Chains, Violence, and Facultades: Global Connections in the Everyday.*
- 10:40** Michael Steven Frascchetti, MA*, York University, *From Parathas to Pancakes: A Study of Discrimination Experienced by Members of the South Asian Diaspora in the Canadian Labour Market.*
11:00 Rafael R. Diaz-Torres*, University of Puerto Rico, *Activist field work to challenge spatial exclusion: Body and geography at the University of Puerto Rico.*
- 5222. Emerging themes in Landscape-Mobilities II (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: *Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Avril Maddrell
 CHAIR(S): Avril Maddrell
10:00 Elaine Stratford*, University of Tasmania; Gordon Waitt, University of Wollongong; Ian Buchanan, University of Wollongong; Bridget Jarvis, Wollongong City Council, *Pacing around: constituting the landscapes of Wollongong City Centre by foot.*
10:20 Ceri Morgan, Dr*, Keele University, *Walking with Phil Jones.*
10:40 Sian Lacey Taylder*, University of Exeter, *To be a pilgrim? Ways of Walking and Landscape Affectivity.*
11:00 James Riding*, The University of Sheffield, *Landscape, memory, and the shifting regional geographies of northwest Bosnia-Herzegovina.*
11:20 Michelle Thompson-Fawcett, DPhil(Oxon)*, University of Otago - Dunedin; Sean J Fitzsimons, PhD, Department of Geography, University of Otago, *Moving Ice: Scientist pilgrimages and belonging in Antarctica.*
- 5223. Cultural and Creative Industries as Dynamic Sectors: Looking Under the Hood II (Sponsored by Economic Geography Specialty Group)**
Room: *Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)*
 ORGANIZER(S): Patrick Adler, University of California Los Angeles; Atle Hauge, Eastern Norway Research Institute
 CHAIR(S): Atle Hauge, Eastern Norway Research Institute
10:00 Jan Ole Rypestol, PhD student*, University of Agder, Norway; Roman Martin, Postdoc, CIRCLE, Lund University, Sweden, *Linking content and technology: On the geography of innovation networks in the Bergen media cluster.*
10:25 Patrick Adler*, University of California Los Angeles, *Agglomeration in Singular Industries: the Case of Music Festival Acts.*
10:50 Jimi Nilsson*, University of Gothenburg, *Emerging (music) markets: Expanding music careers into new labor markets in the Swedish cultural and creative industries..*
- 5224. Spatializing Health: Geography, GIScience and Urban Health (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Imperial A, Hilton Hotel, Ballroom Level (Plenary Session)*
 ORGANIZER(S): ISUH; AAG
 CHAIR(S): David Vlahov, University of California San Francisco
 Discussant(s): Mark W. Rosenberg, Queen's University
 Panelists: Martin Dijst, Utrecht University; Ana V. Diez Roux, Drexel University; Daniel A. Griffith, U. of Texas at Dallas; Gerard Salem, University of Paris Ovest
- 5227. Parenting and political violence: Struggles and strategies**
Room: *Yosemite B, Hilton Hotel, Ballroom Level (Panel Session)*
 ORGANIZER(S): Cindy Sousa; Bree Akesson
 CHAIR(S): Cindy Sousa
 Discussant(s): Cindy Sousa; Bree Akesson
 Panelists: David Jones Marshall, Durham University; Ron Smith, Bucknell University

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- 5228. Contested Mobilities in Latin America 2: Contested Mobilities in Latin America: Power relations and planning practices (Sponsored by Latin America Specialty Group, Urban Geography Specialty Group, Transportation Geography Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Ersilia Verlinghieri, University of Leeds; Karen Lucas, Institute of Transport Studies, University of Leeds
 CHAIR(S): Alex Schafran, University of Leeds
10:00 Juan A Carrasco*, Universidad de Concepcion; Paola Jiron, Universidad de Chile; Rodrigo Ganter, Universidad de Concepcion, *Contested Transport Infrastructure and Land Location: The case of La Aurora de Chile in Concepción.*
10:20 Oscar Sosa Lopez, PhD Candidate*, UC Berkeley; Sergio Montero, Professor, Universidad de los Andes, *Expert-citizens: producing and contesting the "sustainable urban mobility" paradigm in Mexico.*
10:40 Alvaro Nicolas Guzman*, Institute for Transport Studies; Ian Philips, Institute for Transport Studies; Lucila Capelli, Institute for Transport Studies, *A bus ride with Foucault.*
11:00 Ersilia Verlinghieri*, University of Leeds; Federico Venturini, University of Leeds, University of Leeds, *Contesting transport injustices in the city of exception: urban social movements reclaiming the right to the city.*
 Discussant(s): Alex Schafran, University of Leeds
- 5229. Climate Politics in the Golden State 2 (Sponsored by Cultural and Political Ecology Specialty Group, Energy and Environment Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Tracy Perkins, Howard University; Michael A. Mendez, University of San Francisco
 CHAIR(S): Tracy Perkins, Howard University
 Panelists: Alice Kaswan, University of San Francisco School of Law; Patrick Bigger, University of Kentucky; Abigail Martin; Sean B. Hecht, UCLA; Kaitlin Paige Reed
- 5230. The Post-Migration Experience and Wellbeing 1: Subjectivities (Sponsored by Population Specialty Group, Health and Medical Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Nathaniel M. Lewis, University of Southampton; Thomas Wimark, Stockholm University
 CHAIR(S): Nathaniel M. Lewis, University of Southampton
10:00 Nina Laurie*, St Andrews University; Diane Richardson, Newcastle University; Meena Poudel, IOM, Nepal; Janet Townsend, Independent researcher, *Post-trafficking, Wellbeing and Geographies of Stigma.*
10:20 May Farrales*, Geography, University of British Columbia, *Making Health and Beauty: Basketball, beauty pageants, and the work of colonialism and racialized heteronormativities among Filipinos in Canada.*
10:40 Dora Sampaio*, University of Sussex, *Revisiting 'homeland': experiences of 'home' and wellbeing among aging Azorean returnees.*
11:00 Carolyn Emon, MA (Candidate)*, University of Northern British Columbia; Neil Hanlon, PhD, University of Northern British Columbia, *Caring for victims of human trafficking: Understanding barriers and constraints in non-gateway centres.*
11:20 Nathaniel M. Lewis*, University of Southampton, *A Sexually Healthy Immigrant Effect? Postmigration Experiences and HIV Risk among Gay and Bisexual Immigrants in Ontario, Canada.*
- 5231. Addressing Poverty and Inequalities in the Sustainable Development Agenda: Case Studies from Africa II (Sponsored by Africa Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Andrea Rishworth, Ottawa University
 CHAIR(S): Vincent Zubedaar Kuire, Queen's University
10:00 Hanna Park*, Seoul National University; SeongWoo Lee, Seoul National University; HyungBaek Lim, SungKyul University, *The Effect of Official Development Aid on Economic Development and Human Welfare in African Countries.*
10:20 Aonover Tarhule, Ph.D.*, University of Oklahoma Department of Geography and Environmental Sustainability; Bala Dogo, Ph.D, Department of Geography, Kaduna State University, Kaduna, Nigeria, *International Development Assistance- A Conceptual New Model of how Africa can Empower Itself.*
10:40 Kelly Jean Anderson*, University of Maryland - College Park, *Quantifying the Influence of Climate on Urbanization and Deforestation in Africa: The Case of Mozambique.*
11:00 E. Mark Pires*, Long Island University, *Promoting Sustainable Development Through the Ecotourism Certification Process: A Case Study from Tanzania.*
11:20 Melanie D Nicolau, PhD, Prof*, University of South Africa, *Roots-driven rural change in South Africa.*
- 5232. Adaptation Hegemonies: Knowledge, Governance and Development Confronting Climate Change II (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Kasia Paprocki, Cornell University; Alejandro Camargo, Syracuse University
 CHAIR(S): Alejandro Camargo, Syracuse University
10:00 Kwame Ntiri Owusu-Daaku*, Department of Geography-University of South Carolina, *Climate Change Adaptation as Governmentality: Sea Defense Systems in the Volta River Delta of Ghana.*
10:20 Dylan Harris*, Clark University, *Re-politicizing the Anthropocene: Counter-hegemonic Narratives of Climate Change.*
10:40 Gigi Owen*, University of Arizona, *Representations of Social Vulnerability in Climate Change Adaptation Plans in Tucson, AZ.*
11:00 Erin C. Bergren*, University of California, Berkeley, *Adaptation/Transformation/Revolution.*
 Discussant(s): Wendy Wolford, Cornell University
- 5233. Urban Health and Sustainability: Lessons from Portland(ia)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Ted C. Eckmann, University of Portland
 CHAIR(S): Ted C. Eckmann, University of Portland
10:00 Calli P. VanderWilde*, University of Portland; Brooke A. Holmes, University of Portland; Ted C. Eckmann, University of Portland, *Analyzing Water Balance to Optimize Green Roof Performance in Rainy Climates.*
10:20 Brooke A. Holmes*, University of Portland; Calli P. VanderWilde, University of Portland; Ted C. Eckmann, University of Portland, *Performance of Novel Soils Designed for Ecoroof Applications in the US Pacific Northwest.*
10:40 Samantha G. Wright*, University of Portland; Sandra C. Velasquez, University of Portland; Ted C. Eckmann, University of Portland, *Spatial Analysis of Air Quality in a Topographically Complex Urban River Valley.*
11:00 Sandra C. Velasquez*, University of Portland; Samantha G. Wright, University of Portland; Ted C. Eckmann, University of Portland, *Statistical Analysis of Winds and Atmospheric Stability to Forecast Air Pollutant Propagation in Industrial Areas.*

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- 11:20** Ted C. Eckmann*, University of Portland, *Remote Sensing and In Situ Measurements of the Urban Environment Using Drones and Tethered Balloons.*
- 5234. Justice, Equity, and the Built Environment (Sponsored by Landscape Specialty Group, Urban Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Union Square 7, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Bradley Bereitschaft, University of Nebraska at Omaha
 CHAIR(S): Bradley Bereitschaft, University of Nebraska at Omaha
10:00 Sonia Arbaci, Dr*, University College London, *(De)-Concentration and Mixed-Tenure Neighbourhoods in London: Policy Myth to Alleviate Inequalities?.*
10:20 Samuel Stein*, CUNY Graduate Center, *Planning as an Unevenly Distributed Social Good: Case Studies of New York's Chinatown.*
10:40 Jingyuan Zhang*, National University Of Singapore; Puay Yok Tan, National University of Singapore, *Assessment of accessibility and equity of parks in compact cities.*
11:00 Tim Chatterton*, University of the West of England; Jo Barnes, University of the West of England, Bristol, UK; Jillian Anable, University of Leeds; Sally Cairns, TRL Ltd, UK; Eddie Wilson, University of Bristol, UK, *Spatial and Social Analyses of Household Energy Consumption in the UK - a social justice perspective..*
11:20 Bradley Bereitschaft, PhD*, University of Nebraska at Omaha, *Equity in neighborhood walkability: A comparative analysis of three U.S. cities.*
- 5237. Risk Communication and Resilience II (Sponsored by Applied Geography Specialty Group, Hazards, Risks, and Disasters Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Bandana Kar, University of Southern Mississippi; David M. Cochran, University of Southern Mississippi
 CHAIR(S): Xiaohui Liu, The University of Southern Mississippi
10:00 Khai Hoan N. Nguyen*, Rutgers University, *Institutional Resilience along the Mississippi Gulf Coast in the context of pre- and post-Hurricane Katrina.*
10:20 Danika Holmes, M.S. Earth Sciences*, Montana State University, *Drought Resilience, Natural Infrastructure, and Modeling Water Storage: A Geospatial Approach.*
10:40 Dan Wei*, University of Southern California; Zhenhua Chen, University of Southern California; Adam Rose, University of Southern California, *Economic Resilience in Recovering from Major Port Disruptions.*
11:00 Joshua Whittaker*, RMIT University, *Contradictions and workarounds: the challenges of citizen-led recovery in post-disaster settings.*
- 5238. Landscape Backstories II (Sponsored by Landscape Specialty Group)**
Room: *Union Square 11, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Ellen Hostetter, University of Central Arkansas
 CHAIR(S): Ellen Hostetter, University of Central Arkansas
10:00 Peter J. McCormick*, Fort Lewis College, *Watershed Consciousness and the Animas River Mine Spill of 2015.*
10:20 Jeffrey Widener, Ph.D.*, The University of Oklahoma, *The Grand Valley Diversion (Roller) Dam: Appreciating an Everyday Landscape.*
10:40 Matthew Neil Fockler*, Augustana College, *Downriver Again: An examination of socio-ecological change in the Upper Mississippi Watershed since the 9-foot channel project.*
11:00 Enrique Lanz Oca*, BMCC, CUNY -, *Forging a Bioregional Identity: Electricity across the U.S.-Canadian Border.*
- 11:20** Lisa Jordan Powell*, Agriburban Research Centre, *Landscapes at intersections of land use policies in British Columbia.*
- 5239. Economic Geographies - Dynamics, Changes and Persistencies**
Room: *Union Square 12, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Petra Luetke, University of Muenster, Germany
10:00 Andy William Mullineux, Professor*, University Of Birmingham, Dept, *Is British Banking Better?.*
10:20 Melanie Knight*, Ryerson University, *The Making of Nascent Imperialists in Postsecondary Entrepreneurship Programs.*
10:40 Petra Luetke*, University of Muenster, Germany, *Temporary Economics in an Urban Context.*
- 5240. Masculinities, sexualities and place: exploring contested intersections 2 (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**
Room: *Union Square 13, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Carl Anthony Bonner Thompson, Newcastle University; Peter E. Hopkins, Newcastle University
 CHAIR(S): Carl Anthony Bonner Thompson, Newcastle University
 Introducer: Carl Anthony Bonner Thompson
10:20 Robert D. Wilton*, McMaster University; Ann Fudge-Schormans, McMaster University, *"I never tell mom and dad about going to the bars": Masculinity and Intellectual Disability in the City.*
10:40 Christine Eriksen*, University of Wollongong, Australia; Gordon Waitt, University of Wollongong, Australia, *Men-who-Manage Wildfire: Embodied Resilience and Rupture.*
11:00 Banu Gokariksel, PhD*, University of North Carolina, Chapel Hill; Anna J Secor, PhD, University of Kentucky, *Devout Muslim masculinities: looking, desiring, and being young in Turkey.*
 Discussant(s): Andrew Gorman-Murray, Western Sydney University
- 5242. Ice and Snow (Sponsored by Cryosphere Specialty Group)**
Room: *Union Square 15, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Vena W. Chu, UCLA; Jeffrey Adam VanLooy, University of North Dakota
 CHAIR(S): Jeffrey Adam VanLooy, University of North Dakota
10:00 Jeffrey Adam VanLooy*, University of North Dakota, *Estimations of Recent Glacier Surface Elevation Changes in the Wind River Range, Wyoming.*
10:17 Ulrich Kamp*, University of Montana; Caleb Pan, University of Montana; Donald Alford, University of Montana, *Glaciers and Stream Flow in the Amu Darya and Syr Darya Basins, Pamir and Tien Shan Mountains.*
10:34 Brittany Legg*, Texas State University; David R Butler, Dr., Texas State University, *Comparing Active and Relict Rock Glaciers in Glacier National Park, Montana.*
10:51 Jeffrey R Irwin*, South Dakota State University; Joao A Santos, PhD, South Dakota State University; Jose M Redondo-Vega, PhD, University of Leon, Spain; Javier Santos-Gonzalez, PhD, University of Leon, Spain, *Genesis of Glacial Sediments in the Geres Mountains of Northwestern Portugal and Northwestern Spain.*
11:08 Yingkui Li*, University of Tennessee; Jinhua Liu, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, 100085, China; Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, 100085, China; Weili Bi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, 100085, China, *High-frequency*

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glacier fluctuations in the Karola Pass, southern Tibet, since the Last Glacial Maximum.

- 11:24** Arjen P. Stroeven*, Department of Physical Geography, Stockholm University, Sweden; Clas Hättetränd, Department of Physical Geography, Stockholm University, Sweden; Johan Kleman, Department of Physical Geography, Stockholm University, Sweden; Jakob Heyman, Department of Earth Sciences, University of Gothenburg, Sweden; Derek Fabel, SUERC-AMS, Scottish Universities Environmental Research Centre, Scotland; Ola Fredin, Geological Survey of Norway, and Department of Geography, Norwegian University of Science and Technology, Norway; Bradley W. Goodfellow, Department of Geological Sciences, Stockholm University, and Department of Geology, Lund University, Sweden; Jonathan M. Harbor, Department of Earth, Atmospheric, and Planetary Sciences, Purdue University, USA; John D. Jansen, Institute of Earth and Environmental Science, University of Potsdam, Germany; Lars Olsen, Geological Survey of Norway, Norway; Marc W. Caffee, Department of Physics and Astronomy/Purdue Rare Isotope Measurement Laboratory, Purdue University, USA; David Fink, Australian Nuclear Science and Technology Organization, Australia; Jan Lundqvist, Department of Physical Geography, Stockholm University, Sweden; Gunhild C. Rosqvist, Department of Physical Geography, Stockholm University, Sweden, and Department of Earth Science, University of Bergen, Norway; Bo Strömberg, Department of Physical Geography, Stockholm University, Sweden; Krister N. Jansson, Department of Physical Geography, Stockholm University, Sweden, *A deglaciation reconstruction of the Fennoscandian Ice Sheet.*

5243. Spatiotemporal Symposium: Complexity Theories in Geography II (Agent-Based Modeling) (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

Room: Union Square 16, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Eun-Kyeong Kim, The Pennsylvania State University; Liliana Perez, Université de Montréal; Wei Luo, Arizona State University
 CHAIR(S): Eun-Kyeong Kim, The Pennsylvania State University
10:00 Sarah Wise*, University College London; Tao Cheng, Professor, University College London, *Using Spatially Explicit Agent-based Modeling to Improve Police Tasking.*
10:20 Liliana Perez, PhD*, Université de Montréal; Suzana Dragicevic, PhD, Simon Fraser University; Jonathan Gaudreau, MSc. Candidate, Université de Montréal, *Spatial segregation in the city: an agent-based approach to simulate immigrant communities' distribution in Montreal.*
10:40 Wenwu Tang*, University of North Carolina at Charlotte; Wenpeng Feng, UNC Charlotte; Minrui Zheng, UNC Charlotte; Jiyang Shi, UNC Charlotte, *Cyber-enabled Model Performance Analysis of Large-scale Agent-based Land Change Simulation.*
11:00 Francesco Orsi*, Kansas State University, *The quest for nature in urban contexts: modelling emerging patterns in a virtual city.*
11:20 Jasper Meekes*, University of Groningen, *A Complex Evolutionary Economic Geography Approach to Leisure Development: The Case of the Dutch Province of Fryslân.*

5244. Author-Meets-Critics: Erica Schoenberger's 'Nature, Choice and Social Power' (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global

Change Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group, Development Geographies Specialty Group)

Room: Union Square 17, Hilton Hotel, 4th Floor (Panel Session)

- ORGANIZER(S): Aman Luthra, Johns Hopkins University
 CHAIR(S): Aman Luthra, Johns Hopkins University
 Discussant(s): Erica Schoenberger, Johns Hopkins University
 Panelists: Yuko Aoyama, Clark University; Matthew Himley, Illinois State University; Matt Huber, Syracuse University; Michael Teitz, University of California, Berkeley

5245. Stairs, Trails, and Parkways

Room: Union Square 18, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Program Committee
 CHAIR(S): Ben Prince, Texas State University
10:00 Melissa Cate Christ*, Hong Kong Polytechnic University, *Hong Kong Stair Archive: Documenting the walkable city.*
10:20 Lauryn Bingham*, Oak Ridge National Laboratory, *Visualizing Visitor Flow on the Trails of Machu Picchu.*
10:40 Yiyi Wang, Ph.D.*, Montana State University; David Veneziano, Ph.D., Iowa State University; Sam Russell, M.S.C.E., M.P.H., P.E., U.S. National Park Services; Ahmed Al-Kaisy, Ph.D., P.E., Montana State University, *Traffic Safety Along Tourist Routes In Rural Areas.*
11:00 Ben Prince*, Texas State University, *The Appalachian Trail and Cartographic Discourse.*

5246. Symposium on Human Dynamics Research: Events and Change (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Kathleen Stewart, University of Maryland
 CHAIR(S): Kathleen Stewart, University of Maryland
10:00 Sarah Jackson*, Southern Illinois University Edwardsville, *Natural Hazards Perceptions: Influences on United States' Migration and Settlement Patterns.*
10:20 Emily White*, University of Iowa; Kathleen Stewart, PhD, University of Maryland, *Considerations for (Semi) Automated Geofence Creation Through Social Media Mining.*
10:40 Kate Beard*, University of Maine, *A precipitation event sequence model for contextualizing water quality observations.*
11:00 David Haynes*, University of Minnesota, *Terra Populus: Social Vulnerability.*
11:20 Timothy Kennedy*, University of Wisconsin - Stevens Point, *Spatial connection between parcelization and land-use change.*

5247. Symposium on Human Dynamics Research: Visualization and Analytical Tool Development (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)

- ORGANIZER(S): Song Gao, UC Santa Barbara; Xinyue Ye, Kent State University
 CHAIR(S): Xinyue Ye, Kent State University
10:00 Serge Rey*, Arizona State University, *Spatial Distribution Dynamics in PySAL.*
10:20 Wei Kang*, Arizona State University; Sergio J. Rey, Arizona State University, *Spatial Effects in Regional Economic Dynamics: Confronting Discrete Markov Chain Model with Neoclassical Growth Theory via Simulations.*
10:40 Yujia Xie*, School of Geographical Science, Nanjing Normal University; Xuejun Liu, School of Geographical Science, Nanjing Normal University, *Virtual Geographic Scene based Surveillance Video Synopsis.*

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- 11:00** Shaohua Wang*, Wuhan University; Xinyue Ye, Kent State University; Liugen Lin, Nanjing Museum; Fengzhu Wang, Hubei Provincial Bureau of Cultural Relics; Weimin Guo, Hunan Institute of Cultural Relics and Archaeology; Xu Liu, Yunnan Institute of Cultural Relics and Archaeology; Qingwu Hu, Wuhan University; Jianfeng Zhu, Hubei University of Economics; Houlin Xin, Wuhan Digital Culture Technology Co.,Ltd, *Research on Digitization and Visualization Technique of Archaeological Sites Excavation based on Multiple Tempo-spatial Data.*
- 11:20** Xinyue Ye*, Kent State University, *A new method to mining and visualizing massive trajectory data with semantic transformation.*
- 5248. Prosperity, Livelihoods and Capitalism in Africa**
Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Dan Brockington, University of Manchester; Vesa-Matti Loiske, Södertörn University; Christine Noe Pallangyo
 CHAIR(S): Dan Brockington, University of Manchester
10:00 Dan Brockington*, University of Manchester, *Livelihood Empirics and Theoretical Critiques in African Contexts.*
10:20 Vesa-Matti Loiske*, Södertörn University, *Livelihood Change and Capitalism in Africa. The case of Gitting.*
10:40 Christine Noe Pallangyo*, University of Dar es Salaam, *Coffee and Capitalism.*
- 5250. 3rd Special Session Retail aspects in Urban Geography and Urban Planning II (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Business Geography Specialty Group)**
Room: Union Square 25, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Herman Kok, Multi / ODTU
 CHAIR(S): Herman Kok, Multi / ODTU
 Introducer: Herman Kok
10:05 Zoltan Kovacs*, University of Szeged, Hungary; Szabolcs Fabula, University of Szeged, Hungary, *New and old spaces of consumption in gentrifying neighbourhoods: lessons from post-socialist Budapest.*
10:25 Etienne Riot*, Laboratoire Ville Mobilité Transport, *Changes in the planning and management of major railway stations : from transport places to new retail places..*
10:45 Joao Francisco De Abreu, Professor*, Catholic University of Minas Gerais; Guilherme Moravia, Pos-Doc Student, Catholic University of Minas Gerais, *Mapping Probabilities of Shopping - A Tribute to David Huff.*
11:05 Jack Goldberg*, University of North Carolina at Charlotte, *Terminal Shopping: Place Displayed in United States Airport Concessions.*
- 5251. The Geography of Infrastructure: States, Nature, and Capital (Part 2) (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**
Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Carlo E. Sica, Syracuse University
 CHAIR(S): Carlo E. Sica, Syracuse University
10:00 Leila M Harris, PhD*, University of British Columbia, *Assessing States and Evaluating Publics: Perspectives on water service delivery and evolving state-society relations in Accra, Ghana and Cape Town, South Africa.*
10:16 Katherine Foo*, Pennsylvania State University, *Geographies of Energy Infrastructure: state theory in industrial-political ecology.*
10:32 Heather Lee Brown*, Texas A&M University, *The coexistence of the water hard path and the water soft path: State-citizen relations and the co-production of sociotechnical regimes.*
- 10:48** John H Haffner, MSc, PhD Student*, Queen's University, *Connection in Contested Space: Information, Infrastructure and Indigeneity.*
- 11:04** Goeun Lee*, University Of Kentucky, *Infrastructures of 'modeling' and uncertainty: food waste management in Chaoyang District, Beijing, since 2011.*
- 11:20** Antonio A. R. Ioris*, University of Edinburgh, *Theorizing state-environment relationships.*
- 5252. Creative Approaches to Cartography II (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group)**
Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Jorn Seemann, Ball State University
 CHAIR(S): Joshua Singer, San Francisco State University
10:00 Stentor Benjamin Danielson*, Slippery Rock University, *Fantasy Maps of Real Places: Tensions Over Space and Place in a Cartographic Art Project.*
10:20 Eva Susanne Hericks-Bares*, University of North Carolina Asheville, *Geographies of the body in art: The collages of Wangechi Mutu as maps of experience.*
10:40 Corey Warburton*, Seoul National University; Gunhak Lee, Seoul National University, *Mapping Happy: A method to mapping the feelings of Seoul, South Korea.*
11:00 Marilia Teresa Valdes-Alvarez, GISP*, Polytechnic University of Puerto Rico, *Memories, Sound Maps, and Lived Spaces in San Juan, Puerto Rico.*
11:20 Joshua Singer*, San Francisco State University, *Filming a Fictional Cartographic Landscape and Other Absurd Methods: The Video "Interchangeable City Surface Modules of Detroit and Stockholm".*
- 5253. Cartographic Anxieties**
Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Franck Bille, University of Cambridge
 CHAIR(S): Megan Tracy, James Madison University
10:00 Franck Bille*, University of Cambridge, *On Greater China's Cartographic Embrace.*
10:20 Martin Saxer, PhD*, Ludwig Maximilian University of Munich, *A Spectacle of Maps: Cartographic hopes and anxieties in the Pamirs.*
10:40 Edyta Roszko, Marie Curie Fellow*, University of Copenhagen, *Making a spectacle of fisheries: Cartographic imagination and changing aesthetics in the South China Sea.*
11:00 Megan Tracy*, James Madison University, *Spatializing Fear: Cartographic Anxieties and Epidemic Experiences in China.*
11:20 Alexander Akin*, Bolerium Books, *The Da Ming Hunyi Tu: repurposing a Ming map in Sino-African diplomacy.*
- 5254. Big Data for Urban and Regional Analysis (II) (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Daniel Arribas-Bel; Emmanouil Tranos, University of Birmingham; David C. Folch, Florida State University
 CHAIR(S): David C. Folch, Florida State University
10:00 James Haworth*, University College London, *Using fitness tracking app data to estimate cycle flows.*
10:20 Robin Lovelace*, University of Leeds; Tom Berry, University of Leeds; Mark Birkin, Professor, University of Leeds, *Augmenting official datasets with Volunteered Geographic Information: a case study of daily travel patterns.*
10:40 Young-Long Kim*, Clark University, *Mapping Wi-Fi Access Points as an Indicator of Urban Vitality.*
11:00 Jinwoo Park*, Kyung Hee University; Jinmu Choi, Kyung Hee University, *Comparison of address locations during the address system transition in Korea.*

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Discussant(s): Emmanouil Tranos, University of Birmingham

5255. Climate and Agriculture (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University
CHAIR(S): Vincent Ricciardi, University of British Columbia

10:00 Junyu Lu*, University of South Carolina; Gregory J. Carbone, University of South Carolina, *Long-Term Agriculture Drought Monitoring using AVHRR NDVI data and North American Regional Reanalysis (NARR) data from 1981 to 2013.*

10:20 Uvirkaa Akumaga*, Department of Geography and Environmental Sustainability, University of Oklahoma, 100 E. Boyd Street SEC Suite 510, Norman Oklahoma, OK, 73019, USA; Aondover Tarhule, Department of Geography and Environmental Sustainability, University of Oklahoma, 100 E. Boyd Street SEC Suite 510, Norman Oklahoma, OK, 73019, USA; Bala Dogo, Department of Geography, Kaduna State University, Tafawa Balewa Way, P.M.B. 2339, Kaduna, Nigeria, *The impact of rainfall variability on rainfed cereals yield in the Niger Basin, West Africa.*

10:40 Vinicius Carmello*, UNESP - São Paulo State University; Danilo Alvares, University of Valence; João Lima Sant'Anna Neto, UNESP - São Paulo State University, *Recent rainfall variability in soybean crop period for northwest Ohio.*

11:00 Vincent Ricciardi, MSc*, University of British Columbia; Navin Ramankutty, PhD, University of British Columbia, *Are India's small farms more resilient to climate variability than large farms?.*

5256. Practices of Gentrification 2: Revising gentrification

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Huub Ploegmakers; Huib Ernste, Radboud University Nijmegen; Yvonne Franz

CHAIR(S): Willie Wright, UNC Department of Geography

10:00 Lidia K.C. Manzo*, National University of Ireland Maynooth, *Brooklyn's Super-gentrification, Displacement and Community Gardens. An Ethnography of Resistance to Gentrification Forces in Park Slope.*

10:20 Ronnen Ben-Arie*, Technion Institute, *The multi-facets of gentrification in downtown Haifa.*

10:40 Yvonne Franz*, Austrian Academy of Sciences; Freek De Haan, Radboud University, *Representations and practices of social mix and gentrification: A comparative case study analysis on Arnhem and Vienna..*

11:00 Huib Ernste, Prof.*, Radboud University Nijmegen, *Gentrification Beyond the Dualism of Displacement.*

11:20 Namji Jung*, Incheon development Institute, *Quantitative growth, qualitative shrinkage: transformation from an industrial to a lower-end service city after the 2008 crisis in the case of Incheon, South Korea.*

5257. Rural Development in China: Challenges, Resilience and Opportunities II (Sponsored by China Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Tianjiao Li

10:00 Yurui Li*, Institute of Geographic Sciences and Natural Resources Research, CAS; Zhi Cao, Institute of Geographic Sciences and Natural Resources, CAS; Yufu Chen, Institute of Geographic Sciences and Natural Resources, CAS; Hualou Long, Institute of Geographic Sciences and Natural Resources, CAS, *Land consolidation and the sustainability of rural community: a case study in traditional agricultural areas of China.*

10:20 Ting Ting Li, PhD candidate*, *Multi-scale analysis of*

rural housing land transition under China's rapid urbanization: The case of Bohai Rim.

10:40 Shuang-shuang Tu*, IGSNRR, Chinese Academy of Sciences; Hualou Long, IGSNRR, Chinese Academy of Sciences, *Study on the Mechanism and Models of Villages and Towns Construction and Rural Development in China.*

11:00 Tianjiao Li*, Peking University, China; Tao Liu, Hong Kong University; Liwei Wang, Tsinghua University, China, *Peer Effects in Self-built Housing Area in Rural China.*

5258. Urban Housing and Urban Land in China (Sponsored by China Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota
CHAIR(S): Liu Yi, Hong Kong Baptist University

10:00 Jiang Chang*, Guangdong University of Technology, *Community Attachment among Guangzhou Public Housing Residents.*

10:20 Miaomiao Yu*, The University of Hong Kong, *Decentralization and Urban Land Expansion in China.*

10:40 Li Siming, Hong Kong Baptist University; Liu Yi*, Hong Kong Baptist University, *Land Use and Accessibility in Dualistic Urban China: A Case Study in Guangzhou.*

5259. Food production and the Neo-Liberal Challenge (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Josh Bazuin, Vanderbilt University

10:00 Gary R. Schnakenberg, Ph.D.*, Michigan State University, *Potential Sites of Resistance to Industrial Agriculture Maladaptation: Examples From Jamaica.*

10:20 Yankuic M. Galván*, Michigan State University; Robert T Walker, PhD, University of Florida, *Territorial Effects of US Corn Trade on México's Maize Production.*

10:40 Susanna E. Klassen, BSc*, Faculty of Land and Food Systems, University of British Columbia; Hannah Wittman, PhD, Centre for Sustainable Food Systems, University of British Columbia; Jerry Spiegel, PhD, School of Population and Public Health, *Pathways to food sovereignty: lessons for agricultural sustainability from British Columbia's Blueberry sector.*

11:00 Joshua Theodore Bazuin*, Vanderbilt University; James Curtis Fraser, Vanderbilt University, *Exploring Climate-Related Changes in Farmer Debt Loads in Sri Lanka, 2000-2015.*

5260. Convention theory in agro-food studies: Past, present and future 2 (Sponsored by Geographies of Food and Agriculture Specialty Group, Economic Geography Specialty Group)

Room: VanNess Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Stefano Ponte, Copenhagen Business School
CHAIR(S): Stefano Ponte, Copenhagen Business School

10:00 Matt Gunther*, University of Minnesota; Kirsten Valentine Cadieux, PhD, Hamline University; Monica Saralampi, University of Minnesota; Phoebe Ward, University of Minnesota, *Conventions for Making Food Good in the Field Guides to Food Project.*

10:20 Bailey Victoria, Memorial University of Newfoundland; Charles Mather*, Memorial University of Newfoundland, *Thinking outside the 'box' (and the 'bag'): Quality conventions and chain governance in Canada's northern shrimp global value chain.*

10:40 Richard Le Heron*, University of Auckland; Geoff Smith, University of Auckland; Erena Le Heron, University of Auckland; Mike Roche, Massey University, *Enacting ontological politics using Convention Theory (CT): an interrogation of Biological Agriculture dairying (BA dairying) and Industrial-Chemical (IC) dairying in New Zealand.*

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11:00 Harvey Neo, Dr*, National University of Singapore, *Building Conventions: Contradiction and compromise in the "Edible Garden City" Project.*

Discussant(s): David Evans

5268. Access and inequality in urban health (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Julia Mcquoid

10:00 Zhu Jin, MS, PhD Candidate*, Department of Geography, University at Buffalo, Buffalo, NY; Jessica Gilbert*, Department of Geography, University at Buffalo, Buffalo, NY; Susan Kum, MPH, PhD Candidate, Department of Geography, University at Buffalo, Buffalo, NY; Qiuyi Zhang, MA, Department of Geography, University at Buffalo, Buffalo, NY; Hua Wang, PhD, Department of Communication, University at Buffalo, Buffalo, NY; Carol Kunzel, PhD, Section of Population Oral Health, Columbia University College of Dental Medicine, New York, NY; Mary Northridge, MPH, PhD, Department of Epidemiology & Health Promotion, New York University College of Dentistry, New York; Sara Metcalf, PhD, Department of Geography, University at Buffalo, Buffalo, NY, *Modeling Multi-Scalar Factors of Oral Health Equity for Older Adults.*

10:20 Dajun Dai*, Department of Geosciences, Georgia State University; Christine Stauber, Ph.D., School of Public Health, Georgia State University; Richard Rothenberg, M.D., School of Public Health, Georgia State University; Scott Weaver, Ph.D., School of Public Health, Georgia State University; Freddie Neal, B.A., Department of Geosciences, Georgia State University, *Geographic variation in the use of radon screening services.*

10:40 Kelly Ann Renwick, PhD Candidate*, McGill University; Nancy Ross, PhD, Professor of Geography, McGill University; Claudia Sanmartin, PhD, Statistics Canada, *Social Support as a Determinant of Premature Mortality and Hospital Utilization in Canada.*

11:00 Julia Mcquoid*, University of New South Wales, *Health routines, chronic illness, and (un)predictability in health service access.*

11:20 Julia Christensen*, Roskilde University, *Indigenous housing and health in the Canadian North: revisiting cultural safety.*

5269. Spatial distribution of disease (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel I, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Qu Cheng, Tsinghua University

10:00 Melinda K. B. Butterworth*, Willamette University, *The re-emergence of dengue fever in the United States.*

10:20 Michael J. Widener*, University of Toronto; Daniel Schleith, MS, University of Cincinnati; Andy Beck, MD MPH, Cincinnati Children's Hospital and Medical Center; Courtney M Brown, MD MS, Cincinnati Children's Hospital and Medical Center; Adrienne Henize, JD, Cincinnati Children's Hospital and Medical Center; Nicholas Newman, DO MS, Cincinnati Children's Hospital and Medical Center, *Identifying disparities in pediatric asthma outcomes based on spatiotemporal access to relevant health services.*

10:40 Sungwoong Choi*, SUNY at Buffalo, *Geographic Disparities in the Incidence of Stroke in the United States.*

11:00 Qu Cheng*, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System

Science, Tsinghua University, Beijing, People's Republic of China; Qinlong Jing, Department of Medical statistics and Epidemiology, School of Public Health, Sun Yat-Sen University, Guangzhou, People's Republic of China; Robert C. Spear, Environmental Health Sciences, School of Public Health, University of California, Berkeley, California, United States of America; John M. Marshall, Divisions of Biostatistics and Epidemiology, School of Public Health, University of California, Berkeley, California, United States of America; Zhicong Yang, Department of Infectious Diseases, Guangzhou Center for Disease Control and Prevention, Guangzhou, People's Republic of China; Peng Gong, Ministry of Education Key Laboratory for Earth System Modeling, Center for Earth System Science, Tsinghua University, Beijing, People's Republic of China, *The Determinants of Unprecedented Dengue Outbreak in Guangzhou, 2014.*

11:20 Michael Jerrett*, University of California, *Ambient Ozone and Incident Diabetes: A Prospective Analysis in a Large Cohort of African American Women.*

5270. HIV/AIDS in San Francisco (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: Carmel II, Hotel Nikko, 3rd Floor (Paper Session)

ORGANIZER(S): Geography and Urban Health

CHAIR(S): Finn Black, San Francisco State University - San Francisco, CA

10:00 XiaoHang Liu*, San Francisco State University; Alexis Martinez, San Francisco State University; Jamie Elizabeth O'Quinn, San Francisco State University; Finn Black, San Francisco State University, *Challenges associated with spatial analysis of disease data: HIV/AIDS in San Francisco.*

10:20 Alexis Martinez*, San Francisco State University; Alexis N Martinez, Ph.D., Department of Sociology, San Francisco State University; Jamie O'Quinn, MA(c), Department of Sexuality Studies; Finn Black, BA, Department of Geography; Xiaohang Liu, PhD, Department of Geography, *Title 3: Spatial Analysis of Treatment Outcomes along the HIV Care Continuum in San Francisco.*

10:40 Jamie O'Quinn*, San Francisco State University; Alexis Martinez, San Francisco State University; Finn Black, San Francisco State University; XiaoHang Liu, San Francisco State University, *Preliminary Findings from Public Participatory Mapping Groups with HIV-Positive San Franciscans.*

11:00 Finn Black*, San Francisco State University - San Francisco, CA, *Eviction, Gentrification, and Changing HIV Incidence Rates in the San Francisco Bay Area.*

5274. Current Urban Strategies in the Middle East #2: Neoliberalism in/of the Middle East

Room: Bellevue Room, Marker Hotel, Lobby Level (Paper Session)

ORGANIZER(S): Oded Haas, York University; Murat Ucoglu, York University - Toronto, ON

CHAIR(S): Murat Ucoglu, York University - Toronto, ON

10:00 Eliana Abu-Hamdi*, University of California - Berkeley; Eliana Mohammad Abu-Hamdi, UC Berkeley, *Neoliberalism as a Site-Specific Process.*

10:20 Gul Tucaltan*, *Locating Ankara's Trash within the Neoliberal Urban Strategy.*

10:40 Lana Salman*, University of California - Berkeley, *In the shadow of planning: bringing the urban under the purview of municipalities in Lebanon.*

11:00 Benjamin N. Smith*, Florida International University, *On the Dune Grass Frontier? Suburbanization and the Imagined Geographies of Urban Desirability in the Gulf.*

Discussant(s): Azam Khatam, York University

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- 5275. Climate Change, Biogeography**
Room: Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Rebecca Anne Gunter, Brock University
10:00 Barbaros Gönengül*, Istanbul University; Zahide Acar Deniz, Çanakkale 18 Mart University; Nebile Korucu Gümüşoğlu, Kültür University, *Long-term Changes in Hot And Cold Extremes in Turkey During The Years of 1966-2014.*
10:20 Salim Mubarak Al-Hatrushi*, Sultan Qaboos University; Yassine Charabi, Sultan Qaboos University, Oman, *Changes in the Occurrence of Extreme Temperature Events in Oman.*
10:40 Malik Al-Wardy*, Sultan Qaboos University; Ghazi Al-Rawas, Sultan Qaboos University; Yassine Charabi, Sultan Qaboos University, *Observed And Projected Changes In Climate Of Oman.*
11:00 Robert Heilmayr*, Stanford University, *Bio-perversity in Chile: afforestation subsidies cause biodiversity losses.*
- 5276. Critical environmental governance II: Struggles over land and resources (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)**
Room: Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Miles Kenney-Lazar; Adrienne Johnson, Clark University
 CHAIR(S): Adrienne Johnson, Clark University
 Introducer: Adrienne Johnson
10:05 Gregory M. Thaler*, Cornell University, *The Land Sparing Complex: Environmental Governance, Agricultural Intensification, and State-Building in the Brazilian Amazon.*
10:20 Sayoni Bose*, Governors State University; Sayoni Bose, Governors State University, *The Contested Politics of Land Governance in India.*
10:35 Miles Kenney-Lazar*, Clark University, *Authoritarian resource governance and emergent resistance to land concessions in Laos.*
10:50 James Rhatigan*, University of British Columbia, *Afterlife of a Mine: Environmental Governance and Abandoned Mine Remediation, British Columbia.*
 Discussant(s): Jeffrey Bury, University of California, Santa Cruz
- 5277. Electoral Geography (Sponsored by Political Geography Specialty Group)**
Room: Athens North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): John Heppen, University of Wisconsin, River Falls
 CHAIR(S): John Heppen, University of Wisconsin, River Falls
10:00 John Heppen*, University of Wisconsin, River Falls, *Spatial Analysis of the Socialist Vote for President in the United States 1900-1948.*
10:20 Robert Howard Watrel*, South Dakota State University; Clark Archer, University of Nebraska-Lincoln; Fred Shelley, University of Oklahoma, *Historical Republican Presidential Voting Trends: Critical Realignments and Electoral Sections from 1872 to 2012.*
10:40 Evan Centanni*, www.PolGeoNow.com, *Lies the election map told you: How to avoid misleading readers through shoddy cartography.*
11:00 Levi John Wolf*, Arizona State University, *Long-term Temporal Trends in US Congressional District Gerrymandering.*
11:20 John Peter Preysner, B.A. Candidate in Geographical Studies*, The University of Chicago, *Cartography and the Court: A Geographical Examination of post-Wesberry v. Sanders Congressional Redistricting in the State of Connecticut since 1980.*
- 5278. Future Directions in CyberGIS II (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)**
Room: Athens South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Wenwen Li, Arizona State University; Luc Anselin, Arizona State University; Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Wenwen Li, Arizona State University
10:00 Sizhe Wang*, Arizona State University; Feng Wang*, Arizona State University; Wenwen Li, Arizona State University, *4D Polar Data Visualization in the Cyberinfrastructure Environment.*
10:20 Hu Shao*, Arizona State University; Wenwen Li, Arizona State University, *A Geo-Cyberinfrastructure for One-Stop Earth Observation Data Integration.*
10:40 Jenny Palomino*, UC Berkeley; Maggi Kelly, Ph.D, UC Berkeley, *Spatial Data Science for Collaborative Geospatial Research.*
11:00 Dandong Yin*, University of Illinois; Shaowen Wang, University of Illinois, *Extract urban infrastructure from large social media data.*
- 5279. Historical Ecology 2 - Wetlands (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Travis Longcore, University of Southern California; Erin Beller, University of California - Berkeley; Chris Larsen, University At Buffalo
 CHAIR(S): Chris Larsen, University At Buffalo
10:00 Nan Xiang*, Utrecht University, *1100 Years of Social-Ecological Change: Comparing the Resilience of Pre-industrial Deltas.*
10:20 Lauren Apakian*, West Chester University; Joy Fritschle, Ph.D., West Chester University, *Reconstructing historic salt marsh dynamics: Stone Harbor, New Jersey.*
10:40 Erin Beller*, UC Berkeley and San Francisco Estuary Institute; Sam Safran, San Francisco Estuary Institute; Robin Grossinger, San Francisco Estuary Institute; Sean Baumgarten, San Francisco Estuary Institute, *Upside-Down Rivers and Part-Time Estuaries: A Historical Reconstruction of Dynamic Aquatic Ecosystems in Coastal California.*
11:00 Samuel M Safran*, San Francisco Estuary Institute; April Robison, San Francisco Estuary Institute; Julie Beagle, San Francisco Estuary Institute; Robin Grossinger, San Francisco Estuary Institute; Ruth Askevold, San Francisco Estuary Institute, *A Delta Transformed: Historical Ecology, Landscape Change, and Future Visions of the Sacramento-San Joaquin Delta.*
11:20 Travis Longcore, Ph.D., GISP*, University of Southern California, *Historical Ecology of the Los Angeles River's Elysian Valley.*
- 5280. Author Meets Critics: Faranak MirafTAB's Global Heartland: Displaced Labor, Transnational Lives and Local Placemaking (Sponsored by Urban Geography Specialty Group)**
Room: Vienna South, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): David Wilson, University Of Illinois
 CHAIR(S): David Wilson, University Of Illinois
 Discussant(s): Richard A. Walker, University of California-Berkeley
 Panelists: Anne Bonds, University of Wisconsin, Milwaukee; Audrey L. Kobayashi, Queen's University; Andrew E.G. Jonas, University of Hull; Faranak MirafTAB, University of Illinois

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- 5281. The National Parks in American Life (Sponsored by Recreation, Tourism, and Sport Specialty Group, Transportation Geography Specialty Group)**
Room: *Caracas, Marker Hotel, Lower Level* (Paper Session)
 ORGANIZER(S): Joe Weber, University Of Alabama; Selima Sultana, University of North Carolina-Greensboro
 CHAIR(S): Joe Weber, University Of Alabama
- 10:00** Heather Fischer*, Arizona State University, *Citizen Science in Denali National Park and Preserve, Alaska: Turning Park Visitors into Wildlife Biologists with Mobile Technology.*
- 10:20** Tim Harms, MA*, University of Applied Sciences Stralsund, *The antagonism of natural and anthropogenic landscape-elements - a tourism experience study in German National Parks.*
- 10:40** Selima Sultana*, University of North Carolina-Greensboro, *Transportation in and within the National Park System: Considerations and Options.*
- 11:00** Joe Weber*, University Of Alabama, *Exploring America's Lost National Park Units.*
- 11:20** Daniel Kunches*, Pennsylvania State University, *Drought, then El Nino and the National Park Service at 100: A Prelude to the Ominous 2016 Season in Yosemite National Park and its Social and Ecological Variables.*
- 5282. Biodiversity conservation, culture and context - new insights from political ecology 2 (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
Room: *Beijing, Marker Hotel, 2nd Floor* (Paper Session)
 ORGANIZER(S): Ivan Scales, University of Cambridge; Riamsara Kuyakanon Knapp, University of Cambridge
 CHAIR(S): Riamsara Kuyakanon Knapp, University of Cambridge
- 10:00** Undargaa Sandagsuren, Dr*, Independent Scholars, *Re-imagining common-property institutions in Mongolia.*
- 10:20** Sara K. Diamond*, University of Texas, *Redefining species management programs to reflect local values (in Peru).*
- 10:40** Yooinn Hong*, Penn State University, *Political Ecology of Non-Contestations: Agrobiodiversity Narrative of South Korean State and Smallholders in Green Revolution.*
- 11:00** Simon Maraud*, Universite Laval; Etienne Lemerre, Universite Laval, *Hybrid vision of ecosystem services in Aboriginal Northern Quebec.*
- 11:10** Etienne Le Merre, Universite Laval
- 11:20** Eleanor Diamant*, Columbia University; Jeff Rose, PhD, University of Utah, *Political Ecologies of Conservation Militarization in African Parks: A Scalar Analysis of "Shoot-to-Kill" Policy and the Ivory Trade.*

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2016 AAG Awards Luncheon

Saturday, April 2, 11:50 a.m. - 2:00 p.m.

Room: Nikko Ballroom, Hotel Nikko, 3rd Floor

Join colleagues and friends in honoring recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Saturday, April 2 in the Nikko Ballroom of the Hotel Nikko from 11:50 a.m. - 2:00 pm.

The following Honors will be presented:

AAG Lifetime Achievement Honors

Susan Christopherson, Cornell University
George Malanson, University of Iowa

AAG Distinguished Scholarship Honors

Linda Mearns, National Center for Atmospheric Research

AAG Ronald F. Abler Distinguished Service Honors

Kavita Pandit, University of Georgia

AAG Gilbert Grosvenor Geographic Education Honors

William R. Strong, University of North Alabama

AAG Gilbert White Public Service Honors

Aaron Wolf, Oregon State University
Carrie Stokes, United States Agency for International
Development

AAG Distinguished Teaching Award

Ibipo Johnston-Anumonwo, State University of New
York, College at Cortland

AAG Media Achievement Award

Matt Rosenberg

AAG Publication Award

Temple University Press

Other awards that will be presented at the Luncheon include:

AAG Community College Awards, AAG Dissertation, Research, and White Fund Grants, AAG Marcus Fund for Physical Geography, J. Warren Nystrom Dissertation Award, Marble-Boyle Undergraduate Achievement Awards, J.B. Jackson Prize, AAG Globe and Meridian Book Awards, AAG Program Excellence Award, AAG Susan Hardwick Excellence in Mentoring Award, AAG Enhancing Diversity Award, Harold Rose Award for Anti-Racism Research and Practice, Stan Brunn Award for Creativity in Geography, AAG Harm de Blij Award, and announcements of the recipient of the 2016 Honorary Geographer and Presidential Achievement Award.

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

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- 5409. Chicana/o and Latina/o Geography: Comparative Racialization and Borderlands**
Room: Plaza A, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Stevie Raymond Ruiz, California State University - Northridge
 CHAIR(S): Stevie Raymond Ruiz, California State University - Northridge
- 2:00** Genevieve Carpio, PhD*, UCLA, *Black and Brown Flight: (Im)Mobility and Unrest in the California Inland Empire.*
- 2:20** Krys Méndez Ramírez*, UCSD, Ethnic Studies, *The New Military Urbanism in Chiapas: Urban Security Regimes, Migrant Detentions, and the Militarization of the Southern Mexican Border.*
- 2:40** Steven Osuna*, California State University, Long Beach, *Policing the Wretched of the City: Latino Migration, Criminalization, and Transnational Policing in Los Angeles.*
- 3:00** Stevie Raymond Ruiz, Ph.D.*, California State University - Northridge, *The Color of the Land: Racial Capitalism, Space, and Field Worker Protest.*
- Discussant(s): Laura Pulido, University of Southern California
- 5410. Refugees (Sponsored by Ethnic Geography Specialty Group)**
Room: Plaza B, Hilton Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Heike Alberts, University of Wisconsin-Oshkosh
 CHAIR(S): Matthew Miller, University of Tennessee
- 2:00** JOSHUA RASPLICA RODD*, Middlebury College, *Making the Land Safe for the Refugees: Subaltern Geopolitics vs. International Humanitarian Law in Rural Uganda.*
- 2:20** Ibipo Johnston-Anumonwo*, SUNY Cortland, *"We Are Refugees": Differential Experiences of Eritrean Migrants.*
- 2:40** Gruia Badescu*, University of Oxford, *Refugees, IDPs and Urban Reconstruction: Insights from Sarajevo and Belgrade.*
- 3:00** Guldane Mirioglu*, Balikesir Universitesi; Abdullah Kose, Balikesir Universitesi, *Syrian Women Refugees and Polygyny in Turkey.*
- 3:20** Matthew R Miller*, University of Tennessee, *Vulnerability assessments of refugees and internally displaced people in Afghanistan and Pakistan, to water resource scarcity and security instability.*
- *** Continued into next slot, 5523
- 5420. Pyrogeography III (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)**
Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Paul Laris, CSU Long Beach; Megan K. Walsh, Central Washington University
 CHAIR(S): Paul Laris, CSU Long Beach
- 2:00** Nicklas Guldåker*, Department of Human Geography, Lund University; Mona Tykesson, Department of Human Geography, Lund University; Jerry Nilsson, Faculty of Culture and Society, Malmö University; Per-Olof Hallin, Faculty of Culture and Society, Malmö University, *Geographical analysis of residential Fires and underlying socio-economic factors in two Metropolitan Cities in Sweden - towards an analytical model.*
- 2:20** Mona Tykesson*, Department of Human Geography, Lund University; Nicklas Guldåker, Department of Human Geography, Lund University; Per-Olof Hallin, Urban Studies, Malmö University; Jerry Nilsson, Urban Studies, Malmö University, *Effects of Door-to-door Fire-prevention information on reducing the occurrence of Residential Fires in Southern Sweden.*
- 2:40** Monika P. Calef*, Soka University of America; Anna Varvak, Soka University of America; La'Ona DeWilde, Tanana Chiefs Conference; A David McGuire, USGS; Terry Chapin, University of Alaska Fairbanks, *Geographic Distribution of Fire Ignitions and Area Burned in Interior Alaska Considering Cause, Human Proximity, and Level of Suppression.*
- 3:00** Jerry Nilsson*, Department of Urban Studies, Malmö University; Mona Tykesson, Department of Human Geography, Lund University; Nicklas Guldåker, Department of Human Geography, Lund University; Per-Olof Hallin, Department of Urban Studies, Malmö University, *Geostatistical Analysis of Residential Fires and Socioeconomic Conditions in Swedish Metropolitan Areas - attempting to increase the level of detail.*
- 3:20** Christine Bouisset*, University of Pau and Pays de l'Adour; Isabelle Degremont*, University of Pau and Pays de l'Adour; Simon Vanneufville, University of Pau and Pays de l'Adour, *Risk representations and management in urban wildland interfaces in France. The case of Landes of Gascony.*
- 5422. Emerging themes in Landscape-Mobilities III (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: Franciscan C, Hilton Hotel, Ballroom Level (Paper Session)
 ORGANIZER(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Avril Maddrell
 CHAIR(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences
- 2:00** Tim Edensor*, Manchester Metropolitan University, *Moving with the light and dark of landscape.*
- 2:20** Nina Morris, Dr*, University of Edinburgh, *Stillness and perpetual motion: a consideration of landscape and mobility through Dalziel and Scullion's Rosnes Benches.*
- 2:40** Michal Semian*, Charles University in Prague; Zdenek Kucera, Charles University in Prague; Magdalena Kažková, Charles University in Prague; Kamila Klíngorová, Charles University in Prague; Pavel Chromý, Charles University in Prague; Dana Fialová, Charles University in Prague; Tomáš Havlíček, Charles University in Prague, *Physical and imaginative landscape mobilities affecting identity formation: The case of Czechia.*
- 3:00** Kelsey Johnson*, University of British Columbia; Max Ritts, University of British Columbia; Jonathan Peyton, University of Manitoba, *Canoe Stories: Navigating colonialism on BC's North Coast.*
- 3:20** Katrín Anna Lund*, University of Iceland, *(E)Motional Earth: The Poetics of Making Nature.*
- 5424. Urban Health - Health Geography for Sustainable Urban Transitions (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: Imperial A, Hilton Hotel, Ballroom Level (Plenary Session)
 ORGANIZER(S): ISUH; AAG
 CHAIR(S): AAG
 Discussant(s): Agis Tsouros
 Panelists: Philippa Howden-Chapman, University of Otago; Yong-Guan Zhu, Chinese Academy of Sciences; Clive Sabel, University of Bristol
- 5428. Changing Landscapes and Livelihoods in the Amazon Basin 1: Amazonian livelihoods, environmental shocks and dam-related urbanization (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)**
Room: Union Square 1, Hilton Hotel, 4th Floor (Paper Session)
 ORGANIZER(S): Christian Abizaid, University of Toronto; Tim Holland, McGill University
 CHAIR(S): Tim Holland, McGill University
- 2:00** Oliver T. Coomes, Ph.D.*, Department of Geography, McGill University; Yoshito Takasaki, Ph.D., Graduate

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School of Economics, University of Tokyo; Christian Abizaid, Ph.D., Department of Geography and School of Environment, University of Toronto; Pablo Arroyo-Mora, Ph.D., Geographic Information Centre, McGill University, *Economic and environmental determinants of rain forest livelihood choice: a community-level approach.*

- 2:20** Christian Abizaid*, University of Toronto; Oliver T. Coomes, McGill University; Yoshito Takasaki, University of Tokyo; Pablo Arroyo-Mora, McGill University, *Rural Social Networks along Amazonian Rivers: Soccer, Seeds, and Labor among Rural Communities on the Napo River, Peru.*
- 2:40** Guillaume Leturcq*, Universidade Estadual De Campinas, *Urban explosion of an Amazonian City: the case of Altamira/PA (Brazil).*
- 3:00** Emilio F. Moran*, Michigan State University; Vanessa Boanada Fuchs, Universidade Estadual de Campinas, *Urban Ribeirinhos: Transformation of traditional Amazon riverine peasantries.*
- 3:20** Yue Dou*, University of Waterloo; Peter Deadman, Associate Professor, University of Waterloo; Nathan Vogt, National Institute of Space Research, *From questionnaire to modeling: using agent-based model to simulate Caboclo's resilience to climate change in the Brazilian Amazon estuary region.*

5429. High spatial resolution remote sensing: data, techniques, and applications I: systems/data (Sponsored by Remote Sensing Specialty Group)

- Room:* Union Square 2, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Yuhong He, University of Toronto
Mississauga; Qihao Weng, Indiana State University
CHAIR(S): Qihao Weng, Indiana State University
- 2:00** Bing Lu*, Department of Geography, University of Toronto - Mississauga; Yuhong He, Department of Geography, University of Toronto - Mississauga; Hugh Liu, Institute for Aerospace Studies, University of Toronto, *Investigating spatio-temporal variations of grassland biophysical and biochemical properties using Unmanned Aerial Vehicle (UAV)-acquired imagery.*
- 2:20** Yaping Cai*, University of Illinois, *CyberGIS-enabled Agricultural Big Data Processing Workflow.*
- 2:40** Oliver Wigmore*, The Ohio State University; Bryan Mark, PhD, The Ohio State University; Jeffrey McKenzie, PhD, McGill University; Michel Baraer, PhD, École de Technologie Supérieure; Ryan Gordon, PhD, Maine Geological Survey; Laura Lautz, PhD, Syracuse University, *High Resolution Thermal UAV Mapping of Proglacial Streams and Wetlands in the Cordillera Blanca, Peru..*
- 3:00** Sheikh M Rafiqul Hasan*, School of BEES, University of New South Wales, Sydney, NSW, Australia; Graciela Metternicht, Prof., University of New South Wales; Linlin Ge, Dr., University of New South Wales; Yincai Zhou, Dr., University of New South Wales, *Mapping Wetland Boundaries and Vegetation Using Object Based Image Analysis (OBIA) and Very High Resolution Unmanned Aerial Vehicle (UAV) Imagery in Warriewood Sydney NSW Australia.*
- 3:20** Corey Feduck, BA, MGIS (candidate)*, University of Calgary; Greg McDermid, PhD, University of Calgary, *Object oriented classification of high resolution true-color and near-infrared unmanned aerial vehicle imagery.*

5430. The Post-Migration Experience and Wellbeing 2: Residential perspectives (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)

- Room:* Union Square 3, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Nathaniel M. Lewis, University of

- Southampton; Thomas Wimark, Stockholm University
CHAIR(S): Thomas Wimark, Stockholm University
- 2:00** Sutama Ghosh, Dr. *, Ryerson University, *Residential Satisfaction and Neighbouring in Toronto's Inner Suburbs: A Case Study of REXDALE-KIPLING.*
- 2:20** Vincent Zubedaar Kuuire*, University of Western Ontario; Godwin Arku, Western University; Isaac Luginah, Western University; Michael Buzzelli, Western University; Teresa Abasa, Western University, *Housing integration in Canada and transnational housing investment ? what are the trade-offs?.*
- 2:40** Thomas Wimark, PhD*, Stockholm University; Karen Haandrikman, Stockholm University; Michael Meinild Nielsen, Stockholm University, *Neighbourhood Effects and the Economic Integration of Immigrants.*

5431. New Directions in Political Ecology in Africa I: Theoretical Paradigms (Sponsored by Cultural and Political Ecology Specialty Group, Africa Specialty Group, Geographies of Food and Agriculture Specialty Group)

- Room:* Union Square 4, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Ashley Fent, UCLA; Erin Kitchell, University of Wisconsin-Madison
CHAIR(S): Erin Kitchell, University of Wisconsin-Madison
- 2:00** Amelia Duffy-Tumasz*, Rutgers University- New Brunswick, *Are women and men in the same boat? A case study of gendered contestations of access to fish in Senegal.*
- 2:20** Natasha A. Watts*, Geography Department, University of Cambridge, *Serious Business to End Serious Poverty: The political ecology of smallholder agricultural investment in Tanzania.*
- 2:40** Meaghan Daly*, University of Colorado, *Bringing Co-production (Back) Down to Earth.*
Discussant(s): Thomas J. Bassett, University Of Illinois

5432. Capitalism and Climate Change: Crisis, Politics, Governance

- Room:* Union Square 5, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Kevin Surprise, Clark University; Reed Kurtz, The Ohio State University
CHAIR(S): Kevin Surprise, Clark University
- 2:00** Daniel Nyberg*, The University of Newcastle; Christopher Wright, The University of Sydney, *Market fundamentalism and the climate crisis: How corporations shape the governance of climate change.*
- 2:20** Reed Kurtz*, The Ohio State University, *Ecological Crisis and the Limits of Climate Governance.*
- 2:40** Kevin Surprise*, Clark University, *The new imperialisms? Crisis, biophysical limits, and solar geoengineering as a spatio-temporal fix.*
- 3:00** Nils Markusson, Lancaster University; Mads Dahl Gjefsen*, University of Wisconsin; Jennie C. Stephens, University of Vermont; David Tyfield, Lancaster University, *Promises of Technical Fixes: Geoengineering Justifications of Defensive Spatio-Temporal Fixes.*
Discussant(s): Sarah E. Knuth, University of Michigan

5433. Blended Learning - Teaching Geography Online and Face-to-Face (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geography Education Specialty Group, Community College Affinity Group)

- Room:* Union Square 6, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Cindy Nance, Mt. San Jacinto College; Katsuhiko Oda, University of Southern California
CHAIR(S): Cindy Nance, Mt. San Jacinto College
Discussant(s): Jennifer N. Swift, University of Southern California; Joseph J. Kerski, Esri
Panelists: Cindy Nance, Mt. San Jacinto College; Katsuhiko Oda, University of Southern California; Angie E. Wood, Chattanooga State Community College; Sarah Goggin, Cypress College

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- 5434. Anthropocene**
Room: *Union Square 7, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Alexander Arroyo, University of California - Berkeley
 2:00 Alexander Arroyo*, University of California - Berkeley, *On Environmental Intelligence: Speculative Geography, Geospatial Information, and Militarism in the North Pacific and Arctic Oceans.*
- 5437. Tourism, Political Ecology and the Anthropocenic Imaginary I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)**
Room: *Union Square 10, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Mary Mostafanezhad, University of Hawai'i at Manoa; Roger Norum
 CHAIR(S): Roger Norum
 2:00 Stroma Cole*, *Political Ecology of Gender, Tourism and Water in Labuan Bajo, Indonesia.*
 2:20 Amelia Moore, PhD*, University of Rhode Island, *Selling Anthropocene Space: adventures in sustainable tourism.*
 2:40 Jesse Peterson, MS, MFA*, KTH-Royal Institute of Technology, *Otherring the Arctic: Tourism in a White Landscape.*
 3:00 Josh Fisher, PhD*, High Point University, *Nicaragua's Buen Vivir: A Paradigm for Tourism Development?.*
- 5440. Author Meets Critics: Kelly Oliver's "Earth and World: Philosophy After the Apollo Missions" (Sponsored by Ethics, Justice, and Human Rights Specialty Group)**
Room: *Union Square 13, Hilton Hotel, 4th Floor* (Panel Session)
 ORGANIZER(S): Oliver Belcher, University of Durham
 CHAIR(S): Oliver Belcher, University of Durham
 Introducer: Oliver Belcher
 Panelists: Susan Ruddick, University of Toronto; Bruce Braun, University of Minnesota - Minneapolis; Jessica Polish, Berea College; Kelly Oliver, Vanderbilt University
- 5442. Affect, Politics, and the Spaces of Embodied Practice 1 (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)**
Room: *Union Square 15, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Nathan L. Clough, University of Minnesota, Duluth
 CHAIR(S): Nathan L. Clough, University of Minnesota, Duluth
 2:00 Astrid Schrader*, University of Exeter, *Abysal Logics: Microbial Deaths and Affect in Scientific Practices.*
 2:20 Tahereh Aghdasifar*, Emory University, *Iranian Women's Homosocial Space and Affective Rhythms of Everyday Life.*
 2:40 Jason Dittmer*, University College London, *Bureaucratic affect: Assembling a Common Foreign and Security Policy.*
 3:00 Sam Page*, UCL, Dept of Geography, *On the Doorstep of Affect: Embodying the Labour Party Assemblage in the UK 2015 General Election.*
 3:20 Nefeli Stournara*, Middlesex University, *"...you have to go through everything because there is no time to be weak?" Precarity through the narratives of immigrant women in Athens Greece and in Innsbruck Austria.*
- 5443. Advanced Techniques for Remote Sensor Data Analysis in Urban Areas (Sponsored by Remote Sensing Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Union Square 16, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Di Shi; Xiaojun Yang, Florida State University
 CHAIR(S): Di Shi
 2:00 Yifang Ban, Professor*, KTH Royal Institute of Technology, *EO4Urban: Multitemporal Sentinel-1A SAR and Sentinel-2A MSI Data for Global Urban Services.*
- 2:20 Weixing Zhang*, University of Connecticut; Weidong Li, University of Connecticut; Chuanrong Zhang, University of Connecticut; Xiaojiang Li, University of Connecticut, *Incorporating spectral similarity into Markov chain geostatistical cosimulation for improving land cover classification.*
- 2:40 Fan Shi*, University of Texas At Dallas; Fang Qiu, University of Texas at Dallas, *Object-based classification of WorldView-2 data using semivariogram.*
- 3:00 Feifei Peng*, Wuhan University; Jianya Gong, Wuhan University; Le Wang, The State University of New York at Buffalo; Huayi Wu, Wuhan University, *Residential area extraction from stereo imagery using multiple features.*
- 5445. Environmental Justice and the Borderlands**
Room: *Union Square 18, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Carolina Prado
 CHAIR(S): Carolina Prado
 2:00 Marlene Nava Ramos*, CUNY - Graduate Center, *The Borderland Spaces of Immigrant Detention: A survey of Crises, Restructuring, and Community Organizing in Newark, New Jersey.*
 2:20 Maria Garcia, graduate student*, Rutgers University, *Borders and lanes: the issue of mobility in a diverse neighborhood in New York City[1].*
 2:40 Carolina Prado*, UC Berkeley, *Environmental Governance and Cross-border Movements on the Tijuana-San Diego Border.*
 3:00 Guillermo Douglass-Jaimes*, University of California, Berkeley, *Applying Kyriarchy to better understand the intersections and crossed borders of race and place. Moving beyond the black/white and favela/asfalto divide in Rio de Janeiro.*
 Discussant(s): Ashton Wesner, University of California, Berkeley
- 5446. Everyday Politics, In, Against and Beyond Crises: (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Union Square 19, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Victoria Helen Habermehl; Athina Arampatzi, University of Leeds
 CHAIR(S): Victoria Helen Habermehl
 Introducer: Victoria Helen Habermehl
 2:20 Lazaros Karaliotas*, University of Glasgow, *Exploring the (re-)politicization of urban everyday life in times of crises: Urban political movements and solidarity networks in contemporary Thessaloniki.*
 2:40 Mark Boyle*, National University of Ireland Maynooth; Audrey Kobayashi, Professor, Queens University, Kingston, Canada, *Sartre on scarcity, groups, and hope: The case of the water protest movement in Ireland.*
 3:00 Liz Mason-Deese*, *Neighborhood Organizing in Argentina: The Experience of the Unemployed Workers' Movements.*
 Discussant(s): Nicholas Jon Crane, Ohio Wesleyan University
- 5447. Symposium on Human Dynamics Research: Analysis of Movement Data (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group)**
Room: *Union Square 20, Hilton Hotel, 4th Floor* (Paper Session)
 ORGANIZER(S): Somayeh Dodge, University of Colorado Colorado Springs; Sean Ahearn, Hunter College - City University; Jennifer A. Miller, University of Texas at Austin
 CHAIR(S): Somayeh Dodge, University of Colorado Colorado Springs

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- 2:00** Sean Ahearn*, Hunter College - City University, *Movement and Cognitive Space-time Maps.*
- 2:20** Hans Skov-Petersen*, University of Copenhagen; Jette Bredahl Jacobsen, University of Copenhagen, *Cyclists' navigation and movement as spatial choice processes.*
- 2:40** Ying Song, Dr.*, University of Minnesota - Minneapolis, MN; Harvey J Miller, Dr., The Ohio State University; Xuesong Zhou, Dr., Arizona State University; Jeffrey Stempihar, Arizona State University; Kristian H. Reinau, Dr., Aalborg University, *Visual Exploration of Movement Patterns under Prism Constraints.*
- 3:00** Amir Najian*, University of Texas at Dallas, *Simulation of Human Wayfinding Uncertainties: Operationalizing a Wandering Disutility Function.*
- 3:20** Misa Yasumiishi*, University at Buffalo, *Mobile data as a movement driver and a movement tracker - the potential of cell phone data in extreme events.*

5448. Geographies of Gender and Generation Session 1: Spaces of Gender and Generation

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Anna Tarrant, University of Leeds; Michael Richardson, Newcastle University

CHAIR(S): Michael Richardson, Newcastle University

2:00 Michael Joseph Richardson*, Newcastle University, *Using concepts of gender and generation to analyse sectarianism in Scotland.*

2:20 Chandrima Sen*, Rammohan College, *Gender and generation in kitchens in Kolkata.*

2:40 Joseli Maria Silva*, State University of Ponta Grossa - Paraná - Brazil; Maria Rodó-de-Zárate, State University of Ponta Grossa - Paraná - Brazil, *And if I don't die? Brazilian travestis in their process of ageing.*

3:00 Alexandra Staub*, Pennsylvania State University, *"Modern life" through a gender lens: spatial practices in United States housing.*

Discussant(s): Peter E. Hopkins, Newcastle University

5450. Plumbing the Depths: Maps, Infrastructure, and Struggles over the Past, Present, and Future

Room: Union Square 25, Hilton Hotel, 4th Floor (Panel Session)

ORGANIZER(S): Alexander Tarr, UC Berkeley Geography; John Elrick, UC Berkeley

CHAIR(S): Simone Browne

Introducer: Alexander Tarr

Panelists: Crystal Baik, University of California - Riverside; John Elrick, UC Berkeley; Caren Kaplan, University of California - Davis; Javier Arbona, UC Davis

5451. Monsoon Climate (Sponsored by Hazards, Risks, and Disasters Specialty Group, Climate Specialty Group, Water Resources Specialty Group)

Room: Mason A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Eungul Lee, West Virginia University; Lei Meng, Western Michigan University; Jothiganesh Shanmugasundaram, West Virginia University

CHAIR(S): Eungul Lee, West Virginia University

2:00 Thomas Crawford*, Saint Louis University; Scott Curtis, East Carolina University; Bimal Paul, Kansas State University; Munshi K Rahman, Saint Louis University, *Riverbank Erosion in Coastal Bangladesh: A Spatially Explicit Approach Towards Understanding Resilience for a Coupled Natural-Human System.*

2:20 Jothiganesh Shanmugasundaram*, West Virginia University; Eungul Lee, West Virginia University; Amy E. Hessel, West Virginia University; Yanni Gunnell, University of Lyon, *Monsoon variability, adaptation strategies, and the rise of Chola Kingdom in early Medieval South India.*

2:35 Juan Zhou*, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; University of Chinese Academy of Sciences;

Jun Wen, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; Xin Wan, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; Dongyu Jia, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; University of Chinese Academy of Sciences; Jinlei Chen, Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; University of Chinese Academy of Sciences, *Analysis of the Qinghai-Xizang Plateau monsoon evolution and its links with soil moisture.*

2:55 Huming Luo*, Northwest A & F University; Zhanshan Lin, Nanjing Normal University; Eungul Lee, West Virginia University, *An approximative dynamic evolutive equation of East Asian summer monsoon over the late Quaternary.*

3:10 Eungul Lee*, Department of Geology & Geography, West Virginia University; Yaqian He, Department of Geology & Geography, West Virginia University; Mo Zhou, Division of Forestry and Natural Resources, West Virginia University; Jingjing Liang, Division of Forestry and Natural Resources, West Virginia University, *Potential Feedback of Recent Vegetation Changes on Summer Rainfall in the Sahel.*

5452. Creative Approaches to Cartography III (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Jorn Seemann, Ball State University
CHAIR(S): André Reyes Novaes, State University of Rio de Janeiro

2:00 Katrin Singer*, University of Hamburg, *P/Arts of knowledge systems on nature - a feminist inquiry.*

2:20 Dave McLaughlin*, University of Cambridge, *The Becoming Map: Arthur Axelrad's Guide to the London of Sherlock Holmes.*

2:40 Alba Rozas Arceo*, University of Santiago de Compostela; Víctor Bouzas Blanco, *A Cartographical Approach to the Construction of Fictional Space in Fragmentos de Apocalipsis.*

3:00 Hunter Shobe*, Portland State University, *Cartographies of Geographic Imagination: The Cultural Atlas.*

3:20 John Wolf*, USGS-CBPO, *Cleaner Air, Cleaner Bay - An Environmental Story Map.*

5453. Spatial Optimization, GIS and Cyberinfrastructure I (Sponsored by Cyberinfrastructure Specialty Group)

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Kai Cao, NUS; Wenwen Li, Arizona State University

CHAIR(S): Kai Cao, NUS

2:00 Vaishnavi Thakar*, University of Texas At Dallas; Denis J. Dean, University of Texas At Dallas, *Preliminary Results: Spatial Optimization for Finding Wildfire Fuel Treatments Locations.*

2:20 Kai Cao*, NUS, *ACO based optimal routing for waste collection: a case study in Singapore.*

2:40 Sandhya Nepal*, University of Tennessee; Liem Tran, PhD, University of Tennessee, *Catchment-based optimization for land use for bioenergy crops under uncertainty for sustainable development.*

3:00 Hui Xu*, University of Michigan; Daniel G Brown, University of Michigan, *Optimizing spatial land management to balance water quality and economic returns under a changing climate.*

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- 5454. Research, Technology and Pedagogy in the Drone Age (Sponsored by Communication Geography Specialty Group)**
Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Joseph Palis, University of the Philippines-Diliman; H  l  ne DUCROS
 CHAIR(S): H  l  ne DUCROS
 2:00 Ahmad Massasati*, University of Pittsburgh at Johnstown, *Applied Geometric Correction and Mosaicking to Low Altitude Amateur Aerial Photography.*
 2:20 Byron C Will-Noel*, South Dakota State University, *UAV Integration Into College Education.*
- 5455. Visionary cities or spaces of exclusion? Exploring the frontiers of satellite cities in the Global South (1) (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)**
Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Marco Bontje, AISSR, University of Amsterdam; Yves Van Leynseele, University of Amsterdam
 CHAIR(S): Marco Bontje, AISSR, University of Amsterdam
 2:00 Tom Cowan*, King's College London, *Producing Gurgaon: a city out of villages.*
 2:20 Jelstje De Blauw*, *Shenzhen Spirit: the role of NGO's in the political and social transformation of urban China.*
 2:40 Yves Van Leynseele, Dr*, University of Amsterdam, *The Conditional City: emerging properties of Kenya's Satellite Cities.*
 3:00 Momen El-Husseiny, Ph.D.*, Cairo University, *Spaces of Uncertainty: Political Transformation and Informality of a Compound in Cairo.*
 Discussant(s): Filip De Boeck, Catholic University of Leuven
- 5456. Practices of Gentrification 3: Producers of gentrification**
Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Huub Ploegmakers; Arnoud Lagendijk, Radboud University Nijmegen; Yvonne Franz
 CHAIR(S): Ronnen Ben-Arie, Technion Institute
 2:00 Karenjit Clare*, Loughborough University, *From Artisans to Entrepreneurs: A New Generation of Gentrifiers.*
 2:20 Huub Ploegmakers*, Radboud University, Nijmegen, *Finding the rent gap: a new perspective on investment behaviour in gentrifying neighbourhoods.*
 2:40 Arnoud Lagendijk*, Radboud University Nijmegen; Michael Friesenecker, University of Vienna, *Clustering amongst entrepreneurs in gentrifying neighbourhoods: an ongoing business and policy practice.*
 3:00 Daniela Aiello*, University of Georgia, *Practices and discourses of exclusion, inclusion, erasure, and emplacement: Theorizing complementarity between production and consumption within the geography of settler-colonial urbanism of Vancouver's Downtown Eastside..*
 3:20 Carolyn Gallaher, Dr.*, American University, *Assemblage as Contradiction: Tenant Right-to-Buy in Washington DC.*
- 5457. New Industrial Geographies of China (Sponsored by China Specialty Group)**
Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Tianlan Fu
 2:00 Yi Zhou*, Ph.D.; Canfei He, *Does Creative Destruction Work for Chinese Regions? An Empirical Study on the Relationship between Firm Exit and Entry.*
 2:20 Bin Li*; Canfei He; Yi Zhou, *Related Variety, Local Government Competition and the Firm Dynamics of China's Heavy Chemical Industry.*
 2:40 Daidai Shen*, UNC Charlotte; Renmin University of China; Jean-Claude Thill, UNC Charlotte; Jiuwen Sun, Renmin University of China, *Exploratory Analysis of The City Network of High-Tech Enterprises in China.*
- 3:00 Tianlan Fu*, Hong Kong Baptist University; Chun Yang, Hong Kong Baptist University, *Strategic Recoupling in the Market Reorientation of Export-oriented Furniture Firms in the Pearl River Delta, China.*
- 5458. Urban Development and Land Use in China (Sponsored by China Specialty Group)**
Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): Enru Wang, University of North Dakota
 CHAIR(S): Qiujie Shi, Peking University
 2:00 Xinli Ke*, Huazhong Agricultural University, *An ex-ante assessment of China's land use strategy for the city of Wuhan.*
 2:20 Luyi Tong*, *Multi-order Urban Development model and sprawl patterns: A multi-scale analysis in China, 2000-2010.*
 2:40 Yan Zhou Yan Zhou*, *Assessment on the effect of city construction land expansion under the implementation of China's National General Land Use Plan(2006-2020).*
 3:00 Xiao Nan Guo*; Jian Peng, *Research of the Position Change of Central Heating Line in China and the Impact on PM2.5 and Carbon Emissions.*
 3:20 Qiujie Shi*, Peking University; Tao Liu, Hongkong University; Guangzhong Cao, Peking University, *Understanding Urban Spatial Structure in an Integrated City Model: A Case Study based on the Floor Area Ratio of Haikou City, China.*
- 5459. Monitoring Food Security I: Systems, Networks and Data (Sponsored by Geographies of Food and Agriculture Specialty Group)**
Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): Crystal Taylor
 2:00 Gavin Schwan*, USMA, *An historical geographic consideration of the relationship between grocery stores and diet in America.*
 2:20 Paul Chance Kinnison*, University of Texas at San Antonio - Dept. of Applied Demography, *Food environments and place-based influences on household food security in the United States.*
 2:40 Madeleine Fairbairn, PhD*, University of California - Santa Cruz; Zenia Kish, PhD, Stanford University, *Revolutionizing food security?: Big data, food, and vulnerability in the developing world.*
 3:00 Crystal Taylor, Ph.D.*, Florida State University, *Crop locations and school districts' perceptions of local food.*
 3:20 Victoria Fast*, Ryerson University; Claus Rinner, Ryerson University, *Crowdsourcing Regional Food Assets: Connecting Regional Government and the Community to Build Resilient Local Food Systems.*
- 5468. Walkability, physical activity, and urban health (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Geography and Urban Health
 CHAIR(S): Sara Ferguson, Queens University Belfast
 2:00 Yunwoo Nam*, University Of Nebraska - Lincoln, *Designing places that promote active and healthy community environment.*
 2:20 Kangjae Lee*, Informatics, University of Illinois at Urbana Champaign; Mei-Po Kwan, Department of Geography & Geographic Information Science, *Impact of built environments in urban areas on physical activity of adults.*
 2:40 Sara Ferguson*, Queens University Belfast, *The Rural Relevance of Walkability? Reconceptualising the 'walkability' concept in rural environments. A Northern*

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Ireland Case Study.

3:00 Leah Yngve, MSPH*, ASPPH/EPA; Laura Jackson, PhD, U.S. EPA, *Distribution of green infrastructure along walkable roads.*

5469. Emotional wellbeing in urban areas (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: *Carmel I, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Geography and Urban Health
CHAIR(S): Mee-Kam Ng, The Chinese University of Hong Kong

2:00 Michelle Calvarese, Ph.D.*, California State University, Fresno, *Perceptions of Stress and Health Among University Students.*

2:20 Jino Distasio*, Institute of Urban Studies, University of Winnipeg; Jino Distasio, PhD, University of Winnipeg, *Mental Health and Housing Outcomes in the At Home Chez Soi Project: Does Neighbourhood Matter in both Housing and Rehousing Housing First Participants?.*

2:40 Daniel McGowin*, Auburn University, *Spaces of Hopelessness: Suicide and the Golden Gate Bridge.*

3:00 Ayda Melika*, University of California, Berkeley, *Therapeutic Landscape of Memory: Socio-Spatial Practices in Post-war Tehran.*

3:20 Mee-Kam Ng, Professor*, The Chinese University of Hong Kong, *Political economy, place-making and urban health: a case study of Tin Shui Wai ('a City of Sadness'), Hong Kong.*

5470. Obesity in the US and Canada (Sponsored by International Geography, GIScience, and Urban Health Theme)

Room: *Carmel II, Hotel Nikko, 3rd Floor* (Paper Session)

ORGANIZER(S): Geography and Urban Health
CHAIR(S): Ellen Flint, London School of Hygiene and Tropical Medicine

2:00 Yingru Li*, University of Central Florida; Ting Du, University of Central Florida, *Assessment of Multi-level Food Environments and Childhood Obesity.*

2:20 Yanqing Xu*, University of Toledo; Lei Wang, Louisiana State University; Cong Fu, *Deriving Land Use Mix from remotely sensed data for analyzing obesity in the U.S..*

2:40 Keumseok Koh*, Michigan State University; Sue C Grady PhD, MPH, Michigan State University; Joe T Darden, PhD, Michigan State University; Igor Vojnovic, Michigan State University, *Examining the Spatial and Spatial-temporal Distribution of Adult Obesity Prevalence at the County Level in the United States Using a Spatial Microsimulation Approach.*

3:00 Chengxi Zhu*, SUNY - Buffalo, *Association between location of food stores as well as food services near school and adolescent obesity.*

3:20 Ellen Flint, PhD*, London School of Hygiene and Tropical Medicine; Daniel James Lewis, PhD, London School of Hygiene and Tropical Medicine; Neil Smith, PhD, Queen Mary University of London; Steven Cummins, PhD, London School of Hygiene and Tropical Medicine, *Longitudinal associations between active travel to school and obesity in adolescence: Do characteristics of the built environment mediate the relationship?.*

5474. Current Urban Strategies in the Middle East #3: Between urban theory and urban development

Room: *Bellevue Room, Marker Hotel, Lobby Level* (Paper Session)

ORGANIZER(S): Oded Haas, York University; Murat Ucoglu, York University - Toronto, ON

CHAIR(S): Oded Haas, York University

2:00 Deen Sharp*, CUNY GC, *No Heritage, No Future: The Fouad Boutros Bridge Project.*

2:20 Deborah A. Middleton*, Prince Mohammad Bin Fahd University, *Ecological Skinographies and Secret*

Deserts: Foregrounding recreational nature to hide development in the urban region.

2:40 Timur Hammond*, UCLA, *Alternate Histories of the Urban: Post-Coup Istanbul and Municipal Governance (1980-1994).*

3:00 Ayyaz Mallick, PhD Student*, York University, *Concentrated-Extended Urbanisation and (the Limits of) Middle Class Hegemony in Pakistan.*

Discussant(s): Benjamin N. Smith, Florida International University

5475. Facilitating Climate Change Adaptation in Urban Environments

Room: *Paris North, Marker Hotel, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stephen Buckman, University of South Florida

2:00 Todd Schenk, PhD, MCP*, Virginia Tech, *Serious Games to Facilitate Transboundary and Cross-Sectoral Cooperation for Climate Adaptation.*

2:20 Alexandra Graham*, University of Waterloo, *The Role of Boundary Organizations in Fostering Urban Climate Change Adaptation.*

2:40 Linda Shi*, Massachusetts Institute of Technology, *A New Climate for Regionalism: Adaptation Governance in the Bay Area and Southeast Florida.*

3:00 Adolf K.Y. Ng*, University of Manitoba; Huiying Zhang, University of Manitoba, *Adaptation of Ports to Climate Change Risk: A Survey on Port Stakeholders.*

3:20 Stephen Buckman*, University of South Florida, *Climate "Global Weirding" on the Michigan Great Lakes: A community survey.*

5476. Critical environmental governance III: Technologies of control and accumulation (Sponsored by Political Geography Specialty Group, Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group)

Room: *Paris South, Marker Hotel, Lobby Level* (Paper Session)

ORGANIZER(S): Miles Kenney-Lazar; Adrienne Johnson, Clark University

CHAIR(S): Miles Kenney-Lazar

Introducer: Miles Kenney-Lazar

2:05 Kiely McFarlane*, University of British Columbia; Ashlee Jollymore, University of British Columbia; Leila M Harris, PhD, University of British Columbia, *Who's got the power? Understanding 'influence' in environmental consultation processes through the modernization of British Columbia's Water Act.*

2:20 Warren Bernauer, PhD Candidate*, York University, *Politics and Anti-Politics in Environmental Assessment in Nunavut.*

2:35 Laura Tozer*, University of Toronto, *The Future Carbon Neutral City? Urban Imaginaries of the Built Environment.*

2:50 Autumn Thoyre, PhD*, Colgate University, *Neoliberalizing negawatts: Environmental governance of saved energy as an accumulation strategy.*

Discussant(s): Matt Huber, Syracuse University

5477. Star Trek and Geography: Boldly exploring representation and affect in popular culture across space and time (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Cultural Geography Specialty Group)

Room: *Athens North, Marker Hotel, Lower Level* (Panel Session)

ORGANIZER(S): Mark Alan Rhodes, Kent State University; Fiona M. Davidson, University Of Arkansas; Hannah Gunderman, University of Tennessee, Knoxville

CHAIR(S): Mark Alan Rhodes, Kent State University

Panelists: Mark Alan Rhodes, Kent State University; Fiona M. Davidson, University Of Arkansas; Hannah Gunderman, University of Tennessee, Knoxville; Steven William Thrasher, New York University; David

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K. Seitz, University of Toronto; Emma Jay Walcott-Wilson, Missouri University

5478. Future Directions in CyberGIS III (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

Room: Athens South, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Wenwen Li, Arizona State University; Luc Anselin, Arizona State University; Shaowen Wang, University of Illinois at Urbana-Champaign
 CHAIR(S): Luc Anselin, Arizona State University
 Panelists: Michael F. Goodchild, University of California; Budhendra Bhaduri, Oak Ridge National Laboratory; Chuanrong Zhang, University of Connecticut, Department of Geography; Chaowei Yang, George Mason University

5479. Historical Ecology 3 - Land Change (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

Room: Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Chris Larsen, University At Buffalo; Yi-Chen Wang, National University of Singapore; Erin Beller, University of California - Berkeley
 CHAIR(S): Erin Beller, University of California - Berkeley
 2:00 Sara Barrasa Garcia*, Centro Inv Geografia Ambiental, *Environmental history of Chiapas Coast.*
 2:20 Andrew V Bradley, Dr*, Imperial College London; Roxanne Gardiner, BSc, Imperial College London; Alex Sequeira Raposo, BSc, Imperial College London; Isabel MD Rosa, Dr, Imperial College London; Robert M Ewers, Dr, Imperial College London, *Adaption of a land-change model to reconstruct landscape histories.*
 2:40 Rachel Loehman*, USGS, *Smoke from a distant fire: Reconstructing human-wildfire interactions in prehistoric forests and woodlands of the southwestern US.*
 3:00 Erik Steven Breidinger*, Saginaw Valley State University; Rhett Mohler, Saginaw Valley State University, *Mapping land cover changes along the Kawkawlin River using 1938 and 2014 aerial photography.*
 3:20 Jeffrey Olson*, University of Wisconsin - Whitewater, *Historical GIS and Land Ownership in Appalachian Ohio.*

5480. Reestablishing a Relationship Between Heterodox Economics and Critical Urban and Economic Geography: Applications (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Economic Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Marshall Feldman, University Of Rhode Island
 CHAIR(S): Gary Dymski
 2:00 Danish Khan, PhD Student*, University of Massachusetts - Amherst; Anirban Karak, PhD student, University of Massachusetts-Amherst; Osman Keshawarz, University of Massachusetts-Amherst, *Urban Spatial Reconfiguration: Moments of Accumulation by Dispossession.*
 2:20 Ezgi Unsal*, SOAS, *Financialisation of Provision Sectors: The Case of Electricity Sector Privatisation in Turkey.*
 2:40 Christian Zeller*, University of Salzburg, Economic Geography, Dep. of Geography and Geology, *Centralization and Concentration of Capital in the Pharma-biotech Complex: Oligopolistic Rivals Searching for Rentier Income.*
 3:00 Caglar Koksall*, University of Manchester, *The Cultural Political Economy of Urban Land Market in Istanbul.*

5481. Trading city-regions I (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Markus Hesse, University of Luxembourg; Wouter Jacobs, RHV- Erasmus University Rotterdam; Peter V. Hall, Simon Fraser University
 CHAIR(S): Markus Hesse, University of Luxembourg
 2:00 James J WANG, Dr*, University of Hong Kong; Shaw Z Xiao, University of Hong Kong, *Hong Kong and Shenzhen as Twin-city Trade Hub Serving Cross-border E-retailing in China.*
 2:20 Peter V. Hall*, Simon Fraser University, *Gateway tales: discourses and investments in globalism, diversification and the transportation sector in trading places.*
 2:40 Wouter Jacobs*, Erasmus University Rotterdam; Jakob Engel, Oxford University, *The Evolution of Trading Places. The rise of Landlocked Geneva into one of the world's leading commodity trading hubs.*
 3:00 César Blaise Ducruet*, CNRS / Paris I Sorbonne University, *Maritime networks and urban hierarchies in a global perspective, 1890-2010.*
 Discussant(s): Gordon Wilmsmeier, ECLAC / Hochschule Bremen

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5463. American Association of Geographers Business Meeting - Special Event

Room: Mendocino II, Hotel Nikko, 2nd Floor (Meeting Session)

AAG officers will present their annual reports. All are welcome to attend.

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5509. Panel Discussion: "If I knew then what I know now?." An Open Discussion on Funding for Research "There," "Here," and Navigating "The Field." (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Graduate Student Affinity Group, Polar Geography Specialty Group)

Room: Plaza A, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Jeremy Tasch, Towson University; Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research

CHAIR(S): Jeremy Tasch, Towson University

Introducer: Jeremy Tasch

Discussant(s): Marianna Pavlovskaya, Hunter College and CUNY Graduate Center

Panelists: Jessica K. Graybill, Colgate University; Peter R. Craumer, Florida International University; Andrey N. Petrov, University of Northern Iowa; Alexander C. Diener, University of Kansas

5510. Beyond neoliberalism: The role of race and racism in schooling across urban contexts (Sponsored by Political Geography Specialty Group)

Room: Plaza B, Hilton Hotel, Lobby Level (Panel Session)

ORGANIZER(S): Nicole Nguyen, University of Illinois - Chicago

CHAIR(S): Nicole Nguyen, University of Illinois - Chicago

Introducer: Nicole Nguyen

Discussant(s): Dan Cohen, University of British Columbia

Panelists: Dan Cohen, University of British Columbia; Ryan M. Good, Rutgers University; Alice Huff; Nicole Nguyen, University of Illinois - Chicago; Christopher Lizotte, University of Washington

5520. Pyrogeography IV (Sponsored by Geographic Information Science and Systems Specialty Group, Cultural and Political Ecology Specialty Group, Biogeography Specialty Group)

Room: Franciscan A, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Paul Laris, CSU Long Beach

CHAIR(S): Paul Laris, CSU Long Beach

4:00 Nathan Mietkiewicz*, Clark University; Dominik Kulakowski, Ph. D., Clark University, *How do SB outbreaks affect potential wildfire behavior?*.

4:20 Lauren Stachowiak*, University of Tennessee; Henri D. Grissino-Mayer, University of Tennessee; Nicholas N. Nagle, University of Tennessee, *Multiscale Spatial Analyses of Fire Activity and Surface Roughness in a Pine Rockland Ecosystem, Big Pine Key, Florida, USA.*

4:40 Xinyuan Wei*, University At Buffalo; Chris Larsen, University At Buffalo, *How large of a buffer area is required when estimating the fire cycle from a simulated time-since-last-fire map?*.

5521. Pushing Energy Geographies' Boundaries: The Developing Energy Landscapes of Fracking (Sponsored by Energy and Environment Specialty Group)

Room: Franciscan B, Hilton Hotel, Ballroom Level (Paper Session)

ORGANIZER(S): Trey Daniel-Aaron Murphy, Texas A&M University; Thomas Loder, Texas A&M University

CHAIR(S): Trey Daniel-Aaron Murphy, Texas A&M University

4:00 Armando Garcia Chiang, Doctor*, Universidad Autónoma Metropolitana - Iztapalapa, *Territorialised social responsibility actions in the Mexican oil industry. Social clauses in the new oil contracts. A real alternative to finance local development?*.

4:20 Trey Daniel-Aaron Murphy*, Texas A&M University; Christian Brannstrom, PhD, Texas A&M University; Matthew Fry, PhD, University of North Texas, *"Everybody wants an oil well in their backyard": Resource Dispossession Determined Through Eagle Ford Shale Mineral Interests.*

4:40 Susan J. Gilbertz, PhD*, Montana State University-Billings; Jamie McEvoy, PhD, Montana State University; Matthew Anderson, PhD, Eastern Washington University, *Water Quality Issues in the Bakken.*

5:00 Gretchen Leigh Sneegas*, University of Georgia, *Drilling down with alternative methodologies: Applications for Q method at the intersection of hydraulic fracturing, agriculture, and subject formation.*

5:20 Peggy Petrzelka*, Utah State University, *Frac(k)ing communities, fractured communities: Impacts of frac(k)ing on vulnerable populations.*

5522. Emerging themes in Landscape-Mobilities IV: Book Panel: Geographies, Mobilities and Rhythms Over the Life Course; Sacred Mobilities: Journeys of Belief and Belonging; Pilgrimage and Landscape. (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)

Room: Franciscan C, Hilton Hotel, Ballroom Level (Panel Session)

ORGANIZER(S): Avril Maddrell; Elaine Stratford, University of Tasmania

CHAIR(S): Mattias Qvistrom, Swedish Univ of Agricultural Sciences

Panelists: Elaine Stratford, University of Tasmania; Avril Maddrell; Tim Edensor, Manchester Metropolitan University; Mattias Qvistrom, Swedish Univ of Agricultural Sciences; Tanu Priya Uteng, Institute of Transport Economics

5523. Refugees (Sponsored by Ethnic Geography Specialty Group)

Room: Franciscan D, Hilton Hotel, Ballroom Level (Paper Session)

This session is a continuation of the previous timeslot, 5410.

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- 5524. Geography and Urban Health: Collaborating to Advance Sustainable Urban Transitions (Sponsored by International Geography, GIScience, and Urban Health Theme)**
Room: *Imperial A, Hilton Hotel, Ballroom Level (Plenary Session)*
 ORGANIZER(S): ISUH; AAG
 CHAIR(S): AAG
 Discussant(s): Arpana Verma, Manchester Academic Health Sciences Centre
 Panelists: Marcus Grant, Bristol Health Partners; Tolullah Oni, University of Cape Town; Jason Corburn, University of California, Berkeley; Michael Emch, University of North Carolina at Chapel Hill
- 5528. Changing Landscapes and Livelihoods in the Amazon Basin 2: Population movement, resource sustainability, and conservation (Sponsored by Cultural and Political Ecology Specialty Group, Latin America Specialty Group)**
Room: *Union Square 1, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Christian Abizaid, University of Toronto; Tim Holland, McGill University
 CHAIR(S): Christian Abizaid, University of Toronto
4:00 Lauren Ruth Wustenberg*, McGill University, *Sustainability of *Astrocaryum chambira* palm management in the Peruvian Amazon: A case study of the Tamshiyacu-Tahuayo handcraft economy.*
4:20 Tim G. Holland*, McGill University; Oliver T. Coomes, McGill University, *Migration, land acquisition, and forest clearing in Peru's upper Amazon.*
4:40 Rani Kumar*, University of San Diego, *Amazonian Migration Patterns: Causes and Consequences of Andean Settlement in the Community of Pillcopata, Peru.*
5:00 Williams M. Castro*, University of Florida; Robert Walker, University of Florida, *The Last Agricultural Frontier in the Brazilian Amazon: Impacts on Smallholders and the Environment.*
5:20 Phillip Mohebalian*, World Wildlife Fund; Phillip Mahmood Mohebalian, World Wildlife Fund; Francisco X Aguilar, Associate Professor, University of Missouri-Columbia, *Additionality of voluntary tropical forest conservation payments lies in prevented degradation.*
- 5529. High spatial resolution remote sensing: data, techniques, and applications II: algorithms /applications (Sponsored by Remote Sensing Specialty Group)**
Room: *Union Square 2, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Yuhong He, University of Toronto
 Mississauga; Qihao Weng, Indiana State University
 CHAIR(S): Yuhong He, University of Toronto Mississauga
4:00 Kin M. Ma, Ph.D.*, Grand Valley State University; Mark E Whalon, Ph.D., Michigan State University, *Use of Object-oriented classification and advanced geospatial techniques to analyze IKONOS images for estimating 2011 Northern Michigan cherry orchard yields.*
4:20 Xuebin Yang*, The University of Texas at Austin; Kelley A. Crews, The University of Texas at Austin, *A Landsat scale continuous field of woody cover for savanna biome.*
4:40 Suzanne Zick*, Pennsylvania State University; Guido Cervone, Ph.D., Pennsylvania State University, *Documenting Damage and Recovery across Bolivar Peninsula, Texas after Hurricane Ike using Object Based Image Analysis (OBIA).*
5:00 Jeanette Weaver*, Oak Ridge National Laboratory; Jacob McKee, Oak Ridge National Laboratory; Dilip Patlolla, Oak Ridge National Laboratory, *Multi-Temporal Satellite Image Normalization for Human Settlement Detection.*
5:20 Thomas W Gillespie*, UCLA, *Predicting tree species richness in urban forests.*
- 5530. The Post-Migration Experience and Wellbeing 3: Agents and Agencies (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Health and Medical Geography Specialty Group)**
Room: *Union Square 3, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Nathaniel M. Lewis, University of Southampton; Thomas Wimark, Stockholm University
 CHAIR(S): Thomas Wimark, Stockholm University
4:00 Erli Kang*, University of Calgary, *The Influence of Immigration Consultancy Firms on Chinese Immigration to Calgary.*
4:20 Linn Axelsson*, Stockholm University, *Living inside Temporally Thick Borders: IT Professionals' Experiences of Swedish Immigration Policy and Practice.*
4:40 Madelaine Cahuas, MA*, University of Toronto, *"This work is my life I can't not do it": Understanding the experiences of Latin American women activists promoting community wellbeing through Toronto's non-profit sector.*
5:00 Kathi Wilson*, University Of Toronto Mississauga; Jessica Carlos, University of Toronto Mississauga; Rachel Silvey, University of Toronto St. George, *Living-In/ Living-Out(side): The Post-Migration Experience of Filipina Caregivers in Canada.*
 Discussant(s): Nathaniel M. Lewis, University of Southampton
- 5531. New Directions in Political Ecology in Africa II: Contemporary Narratives, Policies, and Debates (Sponsored by Cultural and Political Ecology Specialty Group, Africa Specialty Group)**
Room: *Union Square 4, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Ashley Fent, UCLA; Erin Kitchell, University of Wisconsin-Madison
 CHAIR(S): Ashley Fent, UCLA
4:00 Adam E. Flanery*, University of South Florida - St. Petersburg; Richard S. Mbatu, Ph.D., University of South Florida - St. Petersburg, *Forest Community Integration and Collective Agency in Korup National Park, Cameroon: Interactions with Forest Policies and the REDD+ Mechanism.*
4:20 Laura Vaz-Jones*, University of Toronto, *Differentiated struggles for land, livelihoods and access to the city on Cape Town's peripheries.*
4:40 Hanson Nyantakyi-Frimpong*, University of Toronto, *Diversified farming systems, dietary diversity and nutrition-sensitive agriculture in northern Ghana.*
5:00 Shiloh Sundstrom, PhD Candidate*, Oregon State University, *Redefining Conservation without Parks in Kenya's Maasailand.*
 Discussant(s): Jesse Ribot, University of Illinois
- 5532. Agents and Obstacles in Neoliberalized Worlds: Central-Local Relations Revisited**
Room: *Union Square 5, Hilton Hotel, 4th Floor (Panel Session)*
 ORGANIZER(S): Martin Jones, University of Sheffield
 CHAIR(S): Andrew E.G. Jonas, University of Hull
 Panelists: Martin Jones, University of Sheffield; Danny Mackinnon, Newcastle University; David Beel, University of Sheffield; Gordon MacLeod, University of Durham
- 5533. Education as the Practice of Freedom? : Troubling spaces in the Neoliberal University (Sponsored by Thriving in a Time of Disruption in Higher Education Featured Theme, Geography Education Specialty Group)**
Room: *Union Square 6, Hilton Hotel, 4th Floor (Paper Session)*
 ORGANIZER(S): Erin Sanders-McDonagh, Middlesex University; Carole Davis, Middlesex University England
 CHAIR(S): Carole Davis, Middlesex University England
4:00 Rodolfo Leyva, PhD in Cognitive and Political Sociology*,

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Middlesex University, *Exploring the role of nonconscious dispositional schemata in hindering or supporting the efficacy of critical pedagogy in neoliberal educational environments.*

- 4:14** Carole L Davis, Phd*, Middlesex University England; Erin Sanders-McDonagh, Phd, Middlesex University, UK, *In their own words: Exploring Intersections of Ethnicity, Gender and Religion amongst sociology and criminology students in one UK university.*
- 4:28** Amy Shimshon-Santo*, CREO / Claremont Graduate University; Amy Shimshon-Santo, Ph.D., Claremont Graduate University, *Creative Justice: Arts Education for the City.*
- 4:42** Mark Holton*, Plymouth University, *Investigating the emotional geographies of UK University student halls of residences.*
- 4:56** Michael A. Davis*, Kutztown University, *Ingress in Geography: Portals to Academic Success?.*
- 5:10** Ray Land, Professor of Higher Education*, Durham University, UK, *Toil and trouble: threshold concepts as a pedagogy of uncertainty.*

5534. Crime Research in China in Comparison with the United States

- Room:* Union Square 7, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Lin Liu, University of Cincinnati
CHAIR(S): Lin Liu, University of Cincinnati
- 4:00** Lin Liu*, University of Cincinnati, Sun Yat-sen University, *Spatial Analysis of Crime in China.*
- 4:20** Guangwen Song*, Center of Integrated Geographic Information Analysis, School of Geography and Planning, Sun Yat-sen University, Guangzhou, China, *Perceptions of Safety among African migrants and Its Geographical Variation in Guangzhou and Foshan, China.*
- 4:40** Minxuan Lan*, University of Cincinnati; Lin Liu, University of Cincinnati, *How Does the Density of Public Bus Transit Influence the Occurrence of Robberies?.*
- 5:00** Ziyang Jiang*, Miami University; Theresa Conover, Miami University, *The effect of abandoned properties demolition on the crime prevention in City of Hamilton, OH..*

5537. Tourism, Political Ecology and the Anthropocene Imaginary II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural and Political Ecology Specialty Group, Economic Geography Specialty Group)

- Room:* Union Square 10, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Mary Mostafanezhad, University of Hawai'i at Manoa; Roger Norum
CHAIR(S): Mary Mostafanezhad, University of Hawai'i at Manoa
- 4:00** Innisfree Mckinnon*, University of Wisconsin Stout, *Balancing agricultural production and tourist expectations: Transitioning from productive to consumptive landscapes in Wisconsin.*
- 4:20** Zhaohua Ho*, Fu Jen Catholic University, *Traveling to origins? A study of inner tourism among Zhengfeng Miao People in China.*
- 4:40** Danae G. Khorasani*, UCR, *To kill a Monk Seal: How the State gets (un)made upon the body of the endangered..*
- 5:00** Tamara Luthy*, University of Hawaii at Manoa, *In the aftermath of the Uitarakhand floods: disaster and the political ecology of religious tourism.*
- 5:20** Anna Antonova*, University of Leeds, *Parks and Recreation: Narratives of Conservation, Tourism, and Power on the Bulgarian Black Sea Coast.*

5541. Remote Sensing for Land Use/Land Cover Change (Sponsored by Remote Sensing Specialty Group)

- Room:* Union Square 14, Hilton Hotel, 4th Floor (Paper Session)

ORGANIZER(S): Rebecca L. Powell, University Of Denver
CHAIR(S): Alissa Kathleen Healy, University of New Mexico
4:00 Kelly J. Vanderbrink*, George Mason University, *Identifying Discordance Between the Scale of Land Use Policy and Land Cover Dynamics.*

- 4:20** Alexander William Simmons, BA Geography and Computer Applications*, Binghamton University - Binghamton, NY, *Remote Sensing of Conflict Outcomes: Land Cover Change in Territory Controlled by the Islamic State.*
- 4:40** Natalia Kolecka, Institute of Geography and Spatial Management, Jagiellonian University; Jacek Kozak*, Institute of Geography and Spatial Management, Jagiellonian University; Urs Gimmi, Swiss Federal Research Institute WSL, *Understanding patterns of secondary forest succession on abandoned agricultural land in the Polish Carpathians using airborne laser scanning data.*
- 5:00** Muriel BONIN*, CIRAD/CINPE-UNA; Hernán Camacho, Universidad Nacional de Costa Rica (UNA), Escuela de geografía; Jean-François LE COQ, CIRAD/CINPE-UNA; Cristopher MORA, Universidad Nacional de Costa Rica (UNA), Escuela de geografía; Fernando SAENZ, Universidad Nacional de Costa Rica (UNA)/CINPE, *Agricultural dynamics associated with forest recovery. A case study in Chorotegea, Costa Rica.*
- 5:20** Alissa Kathleen Healy*, University of New Mexico, *Comparing the ability of Suitability Models to Accurately Identify Prehistoric Agricultural Fields in New Mexico.*

5542. Affect, Politics, and Spaces of Embodied Practice 2 (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Sexuality and Space Specialty Group)

- Room:* Union Square 15, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Nathan L. Clough, University of Minnesota, Duluth
CHAIR(S): Nathan L. Clough, University of Minnesota, Duluth
- 4:00** Nathan L. Clough*, University of Minnesota, Duluth, *Embodying Western Civilization: Affect and the Reconstruction of Western Martial Arts.*
- 4:20** Suncana Laketa*, University of Zürich, Department of Geography, *Affective Landscapes And Sticky Spaces: Emotions And Affect In Geopolitical Struggles Over Space And Identity.*
- 4:40** Deondre Smiles*, Departments of Geography and American Indian Studies, University of Minnesota Duluth, *"?to the grave?"--- Biopolitics, Governmentality, and Indigeneity.*
- 5:00** Rachel THOMAS*, CRESSON UMR CNRS/MCC/ECN 1563, *Embodying pacification processes. The case of the Brazilian urban public spaces.*
- Discussant(s): Keith Woodward, University of Wisconsin-Madison

5543. Spatialtemporal Symposium: Spatiotemporal Big Data Analytics (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:* Union Square 16, Hilton Hotel, 4th Floor (Paper Session)
- ORGANIZER(S): Fei Hu, George Mason University; Zhenlong LI, University of South Carolina
CHAIR(S): Zhenlong LI, University of South Carolina
- 4:00** Chao Yang, Ph.D*, China University of Geosciences, A *Hadoop based Social Media Information Retrieving Framework support mass social media accessing, filtering, and processing for EO applications.*
- 4:15** Adam Davidson*, CUNY, *Big Data Exhaust for Origin-Destination Surveys: Using mobile trip-planning data to find patterns.*
- 4:30** Dr. Gautam S. Thakur, Research Scientist*, Oak Ridge National Laboratory; Robert Stewart, Team Leader,

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Oak Ridge National Laboratory; Kevin Sparks, Oak Ridge National Laboratory; Marie Urban, R&D Staff Member, Oak Ridge National Laboratory; Budhendra Bhaduri, Corporate Fellow, Oak Ridge National Laboratory; Jessie Piburn, Research Scientist, Oak Ridge National Laboratory; Kelly Sims, Oak Ridge National Laboratory, *Gathering Geo-spatial Intelligence from Crowd and Open Sourced Data.*

4:45 Xuefeng Guan*, Wuhan University; Hongyan Wang, Wuhan University; Huayi Wu, Wuhan University, *A Collaborative Parallel Spatial Interpolation Algorithm on the Heterogeneous CPU/GPU System.*

5:00 Liping Liu*, University of Illinois, *Computational Intensity Analysis on Raster-based Terrain Analysis Algorithm over Heterogeneous High-Performance Computing Platforms.*

5544. Application of Q Methodology In Geography

Room: Union Square 17, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Joseph H. Hoover, University of New Mexico; Kerri Jean Ormerod, University of Nevada

CHAIR(S): Kerri Jean Ormerod, University of Nevada
4:00 Diana Lorena Restrepo*, The University of Kansas, *Defining Perceptions Of Watershed Management In An Andean Watershed.*

4:20 Emma R. Lundberg*, Humboldt State University, *Using Q-methodology to Understand Social Conflict in Wilderness Fisheries Management of Northern California.*

4:40 Te Aroha Hohaia*, Victoria University of Wellington, *Community as a Practice is a Way of Governing.*

5:00 Joseph H. Hoover*, Community Environmental Health Program, University of New Mexico Health Sciences Center, *Environmental and Academic Professionals' Perspectives Regarding Water Quality Dissemination Using Internet GIS.*

Discussant(s): Stentor Benjamin Danielson, Slippery Rock University

5545. Local economy flattening by extractive industries and obstacles to human-environmental resilience: evidence and policy implications from Africa and Latin America.

Room: Union Square 18, Hilton Hotel, 4th Floor (Panel Session)
ORGANIZER(S): Logan Hennessy, San Francisco State University, Liberal Studies Program; Claudia Carr, University of California, Berkeley
CHAIR(S): Logan Hennessy, San Francisco State University, Liberal Studies Program

Discussant(s): Claudia Carr, University of California, Berkeley; Jeffrey Allman Gritzner, University Of Montana

Panelists: Joshua Dimon, University of California - Berkeley; Daniel Lavelle, University of California - Berkeley; Logan Hennessy, San Francisco State University, Liberal Studies Program; Jeffrey Allman Gritzner, University Of Montana; Claudia Carr, University of California, Berkeley

5546. Everyday Politics, In, Against and Beyond Crises: 2 (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Union Square 19, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Victoria Helen Habermehl; Athina Arampatzi, University of Leeds

CHAIR(S): Athina Arampatzi, University of Leeds
Introducer: Athina Arampatzi

4:20 Joshua Blamire*, University of Liverpool, *"Just Simply Not Credible"?: Exploring the Transformative Political Potentialities of Anti-Austerity Resistance in Liverpool.*

4:40 Sam Halvorsen*, University of Sheffield, *From the Square to the Neighbourhood: Territorial struggle in times of crisis.*

5:00 Esther Hitchen*, Durham University, *Affective geographies*

of austerity: Disruption and resistance in everyday life.
Discussant(s): Paul Routledge, University of Leeds

5547. Emerging Urbanities: Public Space in the Future City

Room: Union Square 20, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Georgiana Varna, University of Glasgow; Panu

Lehtovuori, Tampere University of Technology
CHAIR(S): Georgiana Varna, University of Glasgow
4:00 Georgiana Varna*, University of Glasgow; Panu Lehtovuori, Tampere University of Technology, *Public Space & 21st Century Urbanism.*

4:20 Wei Peng Olivia Tan*, National University of Singapore, *Hopeful urban interventions: Recuperating utopianisms in Singapore.*

4:40 Lukas Franta*, Vienna University of Technology, *Transforming by Practice. Moving Beyond the Dichotomy of Private and Public Space.*

5:00 Panu Lehtovuori*, Tampere University of Technology, *Exploring The Resource Efficiency Of Urban Form (Whole).*

5548. Geographies of Gender and Generation, Session 2 - Processes of Gender and Generation

Room: Union Square 21, Hilton Hotel, 4th Floor (Paper Session)
ORGANIZER(S): Anna Tarrant, University of Leeds; Michael Richardson, Newcastle University

CHAIR(S): Anna Tarrant, University of Leeds
4:00 Anna Tarrant, Dr*, University of Leeds, *Using qualitative secondary analysis to explore gendered and generational relationships in families in low-income localities in the UK.*

4:20 Robin Andrew Hadley, Dr*, Keele University, *The continuity of disruption: the lived experience of older involuntarily childless men..*

4:40 Gunnar Malmberg*, Centre for Demographic and Ageing Research, Umeå University, Sweden; Emma Lundholm, Centre for Demographic and Ageing Research, Umeå University, Sweden; Erika Sandow, Centre for Demographic and Ageing Research, Umeå University, Sweden, *Regional variations in social mobility and family income differentials.*

5:00 Kamila Klingorova*, Charles University in Prague, *Which Place for Which Women? Religiosity in Women's Perception of Everyday Places in Czechia.*

Discussant(s): Peter E. Hopkins, Newcastle University

5552. Understanding Urban Dynamics Based on Movement Big Data (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Cartography Specialty Group)

Room: Mason B, Hilton Hotel, 6th Floor (Paper Session)
ORGANIZER(S): Junjun Yin, University of Illinois; Shaowen Wang, University of Illinois at Urbana-Champaign; Kathleen Stewart, University of Maryland

CHAIR(S): Junjun Yin, University of Illinois
4:00 Weiye Xiao*; Yehua Dennis Wei, *Walkability, land use and physical activity: A study of Salt Lake County.*

4:20 Myeong Hun Jeong*, CyberGIS Center at the University of Illinois at Urbana-Champaign; Shaowen Wang, CyberGIS Center at the University of Illinois at Urbana-Champaign, *Topological data analysis: what are real clusters?.*

4:40 Xujiao Wang*, Texas State University - San Marcos; Yihong Yuan, Texas State University - San Marcos, *Exploring the Efficiency of Location-Based Social Media in Modeling Human Activity Patterns-A Case Study of Beijing, China.*

5:00 Lin LI*, Wuhan University; Lai Yang, Wuhan University; Haihong ZHU, Wuhan University; Rongrong DAI, Wuhan University, *Social media check-in data telling where to go? a case study in Wuhan, China.*

5:20 Junjun Yin*, University of Illinois at Urbana-Champaign;

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Shaowen Wang, University of Illinois at Urbana-Champaign, *Mining sequential mobility patterns from semantic Twitter user trajectories.*

5553. Spatial Optimization, GIS and Cyberinfrastructure II

Room: Powell Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Kai Cao, NUS

CHAIR(S): Kai Cao, NUS

4:00 Konstantinos Lakakis, Aristotle University of Thessaloniki; Kalliopi Kyriakou*, Aristotle University of Thessaloniki, *Integrating GIS into IT for the development of an eco-routing navigation system.*

4:20 Jerry Mount*, Montana State University, *Edge-weighting in a context-driven routing service.*

5554. Geographies of Innovation, Technology and Economy in the Global North and South (Sponsored by Economic Geography Specialty Group, Communication Geography Specialty Group)

Room: Powell Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Tommi Inkinen, University of Helsinki; Jussi S. Jauhiainen, University of Turku

CHAIR(S): Tommi Inkinen, University of Helsinki

4:00 Jussi S. Jauhiainen*, University of Turku and University of Tartu, *Innovation policy as development policy: the Global North and the Global South.*

4:20 Lauri Johannes Hooli*, University of Turku; Lauri Johannes Hooli, *Local Resilience to Global Changes in Sub-Saharan Africa - Case Studies from Namibia and Tanzania.*

4:40 Kerstin Jutta Schaefer*, Justus-Liebig-University Giessen; Ingo Liefner, Justus-Liebig-University Giessen, *Does offshore R&D lead to higher quality than domestic R&D? Insights from an emerging market multinational.*

5:00 Douglas R. Gress, Associate Professor*, Seoul National University, *A Resilience Agenda: Korea's International Science and Business Belt Project from an Evolutionary Economic Geography perspective.*

5:20 Tommi Inkinen*, University of Helsinki; Heli Ponto, University of Helsinki, *Urban designs of knowledge intensive innovative clusters in the Helsinki Metropolitan Area, Finland.*

5555. Visionary cities or spaces of exclusion? Exploring the frontiers of satellite cities in the Global South (2) (Sponsored by Urban Geography Specialty Group, Development Geographies Specialty Group)

Room: Sutter Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Marco Bontje, AISSR, University of Amsterdam; Yves Van Leynseele, University of Amsterdam

CHAIR(S): Yves Van Leynseele, University of Amsterdam

4:00 Nicolas Barrette*, *Speculative Grounds: Land Creation and Economic Zones in Tianjin, China.*

4:20 Marco Bontje*, AISSR, University of Amsterdam, *Satellite city or city of satellites? The case of Shenzhen.*

4:40 Bikramaditya K. Choudhary*, Jawaharlal Nehru University, *Spatial Segmentation in the Cities of Global South: Caste and religion based Exclusion/inclusion in Varanasi, India.*

Discussant(s): Max Rousseau

5556. Practices of Gentrification 4: Consequences of gentrification

Room: Sutter Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Huub Ploegmakers; Huib Ernste, Radboud University Nijmegen; Yvonne Franz

CHAIR(S): Yvonne Franz

4:00 Phil Hubbard*, University of Kent, *Hipsters on the High Street: retail gentrification, class and disgust in processes of displacement.*

4:20 Jason D. Luger*, King's College London Cities Group, *The Neighborhoods Have Two Faces: Local Gentrification*

Processes in Two [Different] Pacific Cities.

4:40 Willie Wright*, UNC Department of Geography, *The Role of Public Schools in Houston's New-Build Gentrification.*

5:00 Winifred Curran*, DePaul University, *Gentrification as Gendered Practice.*

Discussant(s): Lidia K.C. Manzo, National University of Ireland Maynooth

5557. Heritage, Tourism and Cultural Geographies of China (Sponsored by China Specialty Group)

Room: Taylor Room A, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Shu-Wei Tsai, Geography department, UC Berkeley

4:00 Yukun Zhang*, *Analysis of Regional Differences and Influencing Factors of Renqing Consumption in China's Rural Households.*

4:20 Kai-Yang Huang*, National Taiwan University - Taipei, *A blessing from your parents-in-law: the geopolitics rhetoric behind the Mawei-Matsu (Taiwan) Lantern Festival.*

4:40 Yanfang Xu*, University of Jinan; Wenjing Qiu, *Factors Influencing Tourists' Cultural Perception: A Case Study of Taishan National Park, China.*

5:00 Shu-Wei Tsai*, Geography department, UC Berkeley, *Producing Hydraulic Heritage and Authenticity in Chinese Cities.*

5558. Land Use and Land Cover Change in China (Sponsored by China Specialty Group)

Room: Taylor Room B, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): Enru Wang, University of North Dakota

CHAIR(S): Zhi Cao

4:00 Yan Bai*, State Key Laboratory of Resources and Environmental Information System, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; Zhao Xiaodan*, Institute of Geographic Sciences and Natural Resources Research, CAS, *Validation of Land Cover Maps in China Using a Sampling-Based Labeling Approach.*

4:20 Zhi Cao*, Institute of Geographical Sciences and Natural Resource Research, CAS, *Combined Analysis of Land Cover Change and NDVI Trends and Its Implications for Regional Sustainable Development in the Loess Plateau, China.*

4:40 Dan Liang*, Xiamen University, *How does local forest governance influence agroforestry development?.*

5:00 Yu Ting Xu*; Yuting XU, *The impact of cultivated land rental markets on sustainable land use: evidence from China.*

5:20 Xin Chen*; Jian Peng, *Spatial identification of multifunctional landscapes and associated influencing factors in Beijing-Tianjin?Hebei Region, China.*

5559. Monitoring Food Security II: Mapping and GIS (Sponsored by Geographies of Food and Agriculture Specialty Group)

Room: Lombard Room, Hilton Hotel, 6th Floor (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Dean H K Fairbanks, California State University, Chico

4:00 Timothy J Mulrooney*, North Carolina Central University, *Creating Travel Time Surfaces to Measure Rural Food Availability in North Carolina.*

4:20 Dean H K Fairbanks, PhD*, California State University, Chico, *The Geography of Hunger: Fresno County Hunger Count.*

4:40 Gina Lane*, Texas A&M University, *Creation of a Web Mapping Service for a Local Food Bank: Visualizing Food Insecurity Indicators and Charitable Food Assistance.*

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5568. Creating Identities of Place and Space

- Room:* Monterrey II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kendall Valerie Richey, Texas Christian University
 4:00 Shaolu Yu*, Urban Studies, Rhodes College, "That is Real America!": Imaginative Geography among the Chinese immigrants in Flushing, New York City.
 4:20 Michael F. Gaffney*, *The Transformation Of The Magic City*.
 4:40 Lance Owen*, University of California, Berkeley, *The Antinomies of Artistic Production: Spaces of Jazz and Fine Art in Kansas City, 1920-1940*.
 5:00 Edna Ledesma*, Texas A&M University, *Latino Vendor Markets as Placemaking Sites: California and Texas Case Studies*.
 5:20 Kendall Valerie Richey*, Texas Christian University, *Marfa, Texas: A Post-Fordist Art Colony*.

5569. Ethnic Geographies of Vulnerability and Transgression

- Room:* Carmel I, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ana I. Sanchez-Rivera, University of Maryland-College Park
 4:00 Ana I Sanchez-Rivera, MA*, University of Maryland College Park, *Skin Color, Location and Place as predictors of Racial Identification in Puerto Rico*.
 4:20 Mariama Zaami, PhD Candidate*, University of Calgary, *African Immigrant Youth in Canada: Challenges of Integration in Calgary*.
 4:40 Clement K Lai, Ph.D.*, California State University, Northridge, *Remember the Asian American 'Outlaw': Transgressing the Spatial Boundaries of Propriety and Property*.
 5:00 Russell L. Stockard, Ph.D.*, California Lutheran University, *Knowledge and Service Workers, Entrepreneurs, and "The Creative Class" in Post-Katrina New Orleans*.
 5:20 Geraldine Asiwome Adiku*, University of Oxford, *Reverse remittances, an alternative social protection for vulnerable migrants?*.

5570. Applied Geography

- Room:* Carmel II, Hotel Nikko, 3rd Floor (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Khaled Hussein, Clark Nexsen
 4:00 Priyanka Verma*, Hunter College, *Identifying Trends in Issuance of Parking Tickets in NYC*.
 4:20 Kevin M. Curtin, PhD, George Mason University; Rebecca Hill, George Mason University; Lisa R. Pawloski*, George Mason University, *Spatial Analysis in support of Recruitment and Retention of Volunteer Fire Fighters*.
 4:40 Janaya Crevier*, Jason E. VanHorn, PhD*, Calvin College, *Geospatial Frameworks To Understand American Sports Success*.
 5:00 Hui Yang*, Song Huang; Xiaoming Yao, *Agglomeration, Space Effect and Local Characteristics on Commercial Banks Location in China*.
 5:20 Khaled R Hussein, PhD*, Clark Nexsen, *Geography for Engineering*.

5575. Knowledge, Perceptions, Concerns, and Behaviors to Climate Change in the Caribbean Context

- Room:* Paris North, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Adelle Thomas; April Karen Baptiste, Colgate University
 CHAIR(S): Adelle Thomas
 4:00 Adelle Thomas*, The College of The Bahamas; Lisa Benjamin, College of The Bahamas, *Public Perceptions of Climate Change Impacts in The Bahamas*.
 4:20 April Karen Baptiste*, Colgate University, *Climate change*

knowledge, concerns, and behaviors among Caribbean fishers.

- 4:40 Kevon Rhiney, PhD*, University of the West Indies - Mona; Jhannel Tomlinson, University of the West Indies - Mona, *Using Farmer Field Schools to Build Climate Resilience in Jamaica*.
 5:00 Cavell S. Francis*, Institute of Sustainable Development University of the West Indies Mona; Anthony Clayton, Professor, Institute of Sustainable Development, University of the West Indies Mona, *Farmers' perception, knowledge and understanding of food security and climate change: Implications for Adaptation Planning in Jamaica*.
 5:20 Tashanna Jolene Walker*, University of the West Indies - Mona; Tashanna Jolene Walker, Department of Geography and Geology, University of the West Indies Mona Campus, Kingston 7, St. Andrew, Jamaica, *A Multi-Scalar Analysis of Coastal Adaptation Planning in Negril, Jamaica: Opportunities and Challenges for Collaborative Governance and Transformational Change*.

5576. Critical environmental governance IV: negotiations and institutional change

- Room:* Paris South, Marker Hotel, Lobby Level (Paper Session)
 ORGANIZER(S): Miles Kenney-Lazar; Adrienne Johnson, Clark University
 CHAIR(S): Miles Kenney-Lazar
 Introducer: Miles Kenney-Lazar
 4:05 Adrienne Johnson*, Clark University, *CSR, Constraints, and Institutional Change: Embedding Ecuador's Palm Oil Industry*.
 4:20 Annabel Ipsen*, University of Wisconsin - Madison, *Regulatory regime selection: shopping, shaping and staying in the GM corn seed industry*.
 4:35 Daniel C. Suarez*, University of California at Berkeley, *Occupy IPBES: Epistemic Struggle in the Intergovernmental Platform on Biodiversity and Ecosystem Services*.
 4:50 C. Anne Claus, PhD*, American University, *International Regimes Meet Local Rights: Governing Marine Resource Use in Japan*.
 Discussant(s): James McCarthy, Clark University

5578. Future Directions in CyberGIS IV (Sponsored by Geographic Information Science and Systems Specialty Group, Cyberinfrastructure Specialty Group)

- Room:* Athens South, Marker Hotel, Lower Level (Panel Session)
 ORGANIZER(S): Wenwen Li, Arizona State University; Luc Anselin, Arizona State University
 CHAIR(S): Wenwen Li, Arizona State University
 4:00 Mark Gahegan, University of Auckland
 Panelists: Shaowen Wang, University of Illinois at Urbana-Champaign; E. Lynn Usery, U.S. Geological Survey; Dawn J. Wright, Esri

5579. Historical Ecology 4 - Wildlife, Census, and Discussion (Sponsored by Human Dimensions of Global Change Specialty Group, Paleoenvironmental Change Specialty Group, Biogeography Specialty Group)

- Room:* Vienna North, Marker Hotel, Lower Level (Paper Session)
 ORGANIZER(S): Chris Larsen, University At Buffalo; Maggi Kelly, University of California; Travis Longcore, University of Southern California
 CHAIR(S): Travis Longcore, University of Southern California
 4:00 Anye Zhu*, University At Buffalo; Chris Larsen, University At Buffalo, *Did Native American depopulation lead to increased mast tree and passenger pigeon abundance in Eastern and Midwestern U.S.?*
 4:20 Mary Ann Cunningham*, Vassar College, *Responses of avifauna to landscape change and climate*.
 4:40 Don Jonsson*, Austin Community College, *The Demise of*

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Black Bears in the Texas Hill Country.

5:00 Joshua Donato*, Minnesota Population Center, *Terra Populus Census and Environmental Data Visualization and Analysis.*

Discussant(s): David Mladenoff, University of Wisconsin; Maggi Kelly, University of California

5580. Reestablishing a Relationship Between Heterodox Economics and Critical Urban and Economic Geography: Race, Class, & Caste in Production and Reproduction (Sponsored by Regional Development and Planning Specialty Group, Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Vienna South, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Marshall Feldman, University Of Rhode Island

CHAIR(S): Marshall Feldman, University Of Rhode Island

4:00 Jose Antonio Cabrera Pereyra*, University of Arizona, *A labor market with many edges: the role of policies, economic culture and embedded theory in reshaping the urban and socioeconomic landscape in Mexico.*

4:20 Caroline Keegan*, University of Georgia, *Black Workers Matter: Low-Wage Worker Organizing and Uneven Redevelopment in Post-Katrina New Orleans.*

4:40 Carolina K. Reid*, UC Berkeley, *The Evolution of the Foreclosure Crisis in Communities of Color.*

5:00 Stripad Motiram, Ph.D.*, University of Massachusetts - Boston; Vamsi Vakulabharanam, Ph.D., University of Massachusetts, Amherst, *On Segregation in Indian Cities: The Cases of Hyderabad and Mumbai.*

5:20 Ian Yeboah*, Miami University, *Capitalism and Sub-Saharan African Labor Migration: A Historical-structuralist Analysis.*

5581. Trading city-regions II (Sponsored by Urban Geography Specialty Group, Economic Geography Specialty Group, Transportation Geography Specialty Group)

Room: Caracas, Marker Hotel, Lower Level (Paper Session)

ORGANIZER(S): Markus Hesse, University of Luxembourg; Wouter Jacobs, RHV- Erasmus University Rotterdam; Peter V. Hall, Simon Fraser University

CHAIR(S): Wouter Jacobs, RHV- Erasmus University Rotterdam

4:00 Marten Boon*, Norwegian University of Science and Technology, *Ports as trading hubs? Market structure, physical flows and the trading function, 1880s-1980s..*

4:20 Indra Vonck*, University of Antwerp, *The evolution of the Antwerp coffee hub.*

4:40 Theo Notteboom*, Dalian Maritime University and University of Antwerp; Wouter Jacobs, Erasmus University Rotterdam, *Port adaptation and co-evolution in light of changing organizational routines in liner shipping: the case of the Rhine-Scheldt Delta port system.*

5:00 Karel Van den Berghe*, Ghent University, *The Socio-Economic Interfaces of the Port City of Ghent: Acknowledging its potential towards the Third Industrial Revolution.*

Discussant(s): Alain Thierstein, Munich University of Technology

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

For special events, please see the Special Events & Meetings Summary on pages 54-58.

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1154,1175,1403,1545,1675,2132,2161,2261,2529,2560,2561,2618,2661,3182,3561,3633,3639,3661,4103,4159,4161,4261,4637,5120

Asia

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Climatology and Meteorology

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Coastal and Marine

1128,1132,1140,1247,1453,1560,1578,1633,1643,2145,2152,2161,2218,2248,2252,2261,2278,2286,2312,2420,2478,2517,2545,2548,2580,2678,3147,3152,3155,3161,3185,3247,3252,3261,3285,3447,3455,3457,3477,3481,3485,3547,3561,3577,3585,3652,3661,3682,4101,4104,4108,4112,4118,4121,4124,4125,4161,4177,4186,4221,4242,4261,4283,4437,4450,4478,4482,4507,4546,4547,4669,4682,5112,5212,5215,5219,5253,5279,5429,5451,5475,5529

Communication

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Coupled Human and Natural Systems

1140,1143,1201,1212,1232,1240,1243,1259,1401,1403,1412,1437,1450,1453,1459,1503,1523,1550,1554,1581,1624,1645,1650,1663,1673,1675,2130,2145,2161,2162,2183,2238,2245,2260,2261,2262,2278,2418,2424,2432,2504,2516,2561,2562,2577,2607,2622,2638,2650,2653,2661,3122,3125,3132,3148,3151,3163,3182,3183,3185,3216,3282,3285,3423,3453,3561,3572,3582,3646,3652,3655,3661,4140,4161,4178,4186,4240,4260,4261,4277,4432,4450,4487,4550,4587,4617,5120,5151,5220,5231,5232,5233,5246,5281,5428,5442,5479,5558

Cryosphere

1126,1554,2161,2248,2261,2420,2452,2652,3107,3280,3407,3561,3577,3607,3661,4121,4161,4261,5142,5242

Cultural and Political Ecology

1119,1122,1144,1146,1148,1154,1159,1170,1175,1206,1219,1222,1225,1237,1243,1244,1246,1259,1262,1275,1277,1403,1417,1422,1431,1449,1450,1455,1459,1464,1465,1477,1502,1503,1504,1507,1522,1523,1525,1531,1543,1549,1557,1558,1559,1565,1567,1582,1601,1618,1622,1624,1634,1647,1649,1650,1651,1652,1657,1671,1674,2104,2108,2111,2132,2143,2144,2147,2148,2158,2160,2162,2170,2175,2178,2201,2203,2204,2215,2217,2232,2240,2247,2256,2260,2270,2274,2275,2277,2284,2411,2432,2458,2468,2477,2486,2488,2506,2524,2531,2532,2537,2553,2555,2556,2558,2561,2574,2575,2604,2609,2638,2641,2649,2657,2658,2660,2661,2679,2685,3101,3108,3125,3132,3134,3140,3142,3149,3153,3155,3161,3175,3183,3185,3206,3208,3240,3244,3245,3253,3254,3255,3260,3261,3275,3277,3282,3283,3285,3288,3404,3406,3421,3440,3448,3449,3451,3453,3455,3463,3475,3481,3483,3485,3506,3521,3533,3549,3553,3575,3581,3583,3584,3585,3588,3606,3621,3637,3638,3653,3654,3655,3657,3676,3678,4103,4109,4117,4118,4132,4143,4145,

4147,4158,4165,4174,4182,4184,4185,4186,4203,4209,4218,4232,4242,4244,4246,4250,4252,4258,4274,4282,4283,4286,4407,4434,4442,4446,4450,4452,4455,4464,4473,4476,4486,4507,4511,4531,4539,4555,4558,4560,4574,4576,4579,4586,4608,4617,4618,4642,4652,4655,4658,4668,4679,4682,4683,4687,4688,5105,5106,5108,5121,5123,5127,5129,5131,5132,5141,5151,5182,5207,5232,5251,5276,5281,5282,5428,5431,5437,5476,5521,5528,5531,5537,5547,5576

Cultural Ecology

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1173,1212,1252,1267,1412,1449,1518,1649,2131,2154,2161,2249,2258,2261,2447,2504,2540,2541,2566,2586,2601,2604,2649,3143,3219,3473,3551,3561,3643,3651,3661,4121,4161,4164,4174,4182,4258,4261,4476,4668,5128,5144,5148,5168,5228

Spatial Analysis & Modeling

1105,1121,1123,1129,1132,1137,1167,1182,1201,1221,1223,1229,1234,1240,1401,1405,1408,1421,1426,1437,1440,1444,1472,1479,1482,1502,1509,1517,1518,1529,1546,1551,1560,1575,1582,1602,1608,1621,1623,1629,1640,1648,1664,1673,1675,1678,2107,2130,2134,2145,2148,2154,2155,2159,2161,2166,2169,2171,2177,2183,2238,2245,2251,2255,2261,2262,2263,2269,2273,2420,2428,2433,2438,2448,2452,2454,2459,2465,2467,2469,2472,2508,2528,2538,2539,2546,2548,2554,2559,2561,2562,2567,2573,2601,2604,2607,2620,2633,2634,2645,2659,2661,2662,2667,2673,2678,3107,3117,3119,3130,3147,3158,3159,3161,3165,3167,3168,3170,3173,3178,3182,3184,3186,3210,3225,3230,3233,3239,3246,3261,3267,3273,3285,3286,3288,3417,3419,3428,3439,3445,3460,3462,3467,3472,3474,3502,3528,3530,3538,3539,3545,3548,3561,3569,3573,3578,3602,3630,3631,3639,3644,3645,3646,3656,3660,3661,3662,3667,3670,3678,4108,4125,4128,4131,4140,4147,4157,4160,4161,4162,4163,4181,4220,4221,4230,4231,4232,4233,4237,4240,4254,4261,4265,4282,4421,4437,4443,4448,4455,4462,4473,4481,4482,4484,4519,4529,4532,4534,4538,4544,4546,4547,4562,4578,4603,4616,4641,4646,4648,4670,4682,4685,4687,5120,5137,5143,5146,5147,5150,5154,5168,5169,5206,5208,5209,5210,5233,5234,5242,5243,5246,5247,5254,5269,5270,5277,5278,5443,5447,5453,5458,5470,5479,5529,5534,5543,5552,5553,5559,5579

Sustainability Science

1104,1107,1123,1140,1178,1204,1222,1241,1278,1282,1401,1422,1434,1504,1548,1558,1563,1601,1606,1650,1673,2103,2161,2183,2239,2252,2261,2262,2288,2404,2408,2448,2462,2528,2531,2558,2561,2577,2652,2653,2661,2668,3157,3161,3175,3207,3216,3225,3240,3248,3261,3266,3275,3277,3416,3417,3419,3423,3473,3475,3532,3539,3561,3567,3572,3582,3606,3644,3661,4104,4117,4124,4137,4160,4161,4165,4181,4186,4204,4213,4233,4246,4258,4261,4263,4284,4286,4443,4450,4452,4531,4550,4617,4655,4668,5116,5137,5141,5153,5157,5233,5255,5428,5547,5558

Temporal GIS

1229,1576,1608,1640,2161,2252,2261,2269,2428,2454,2459,2465,2559,3210,3267,3428,3429,3445,3522,3667,4140,4147,4161,4162,4231,4261,4448,4470,4414,4482,4484,4544,4546,4548,4603,4611,4685,5209,5219,5246,5247,5552,5553

Third World

1177,1541,1555,1557,1641,2103,2144,2169,2178,2530,2541,2575,2576,2649,2660,2679,3161,3162,3188,3244,3261,3276,3440,3579,3643,4156,4186,4188,4253,4532,4542,4601,4639,4663,5130,5274,5282,5474,5480

Tourism Geography

1129,1138,1220,1241,1416,1417,1428,1438,1441,1451,1453,1540,1541,1602,1634,1641,1647,1660,1663,2131,2148,2149,2150,2181,2185,2186,2201,2208,2225,2231,2288,2430,2481,2482,2484,2530,2557,2561,2579,2630,2645,2648,2661,3134,3156,3161,3177,3188,3256,3261,3277,3279,3283,3479,3480,3484,3558,3561,3584,3622,3661,3684,4105,4131,4161,4182,4188,4261,4282,4408,4431,4507,4553,4601,4633,4634,4651,4652,5107,5110,5138,5139,5147,5154,5181,5231,5243,5281,5422,5437,5452,5537,5568

Transportation Geography

1102,1116,1121,1123,1147,1154,1163,1167,1216,1223,1239,1247,1265,1267,1421,1423,1448,1451,1456,1463,1529,1537,1540,1548,1551,1554,1556,1558,1571,1576,1629,1648,1662,1670,1671,2119,2148,2154,2161,2171,2183,2215,2251,2261,2277,2287,2428,2448,2454,2468,2473,2507,2534,2559,2561,2569,2572,2586,2601,2607,2623,2633,2659,2661,2662,2668,2677,2678,2686,3101,3119,3157,3161,3173,3220,3248,3257,3261,3267,3438,3439,3457,3469,3529,3533,3545,3550,3557,3558,3567,3639,3644,3645,3650,3657,3667,4133,4137,4139,4150,4163,4164,4170,4172,4182,4187,4232,4233,4250,4272,4282,4287,4408,4425,4437,4448,4449,4462,4463,4481,4482,4484,4529,4537,4548,4570,4603,4604,4648,4614,4681,5128,5143,5209,5228,5245,5250,5254,5258,5281,5447,5475,5481,5533,5534,5543,5553,5581

United States

1123,1132,1167,1213,1223,1225,1265,1403,1405,1413,1416,1425,1444,1482,1509,1511,1530,1545,1567,1571,1619,1622,1644,1652,1657,2103,2120,2132,2140,2161,2165,2201,2202,2203,2231,2232,2244,2246,2252,2258,2260,2261,2276,2428,2466,2468,2501,2518,2561,2574,2602,2608,2633,2639,2647,2649,2651,2661,2668,2676,3131,3149,3151,3160,3161,3170,3229,3231,3234,3238,3254,3261,3277,3279,3287,3449,3454,3463,3477,3482,3560,3561,3579,3637,3642,3650,3661,3678,4111,4182,4207,4242,4243,4255,4257,4272,4431,4458,4477,4506,4511,4519,4528,4529,4555,4586,4634,4669,4670,4687,5105,5107,5255,5256,5277,5459,5475,5570

Urban and Regional Planning

1101,1102,1103,1104,1105,1107,1116,1120,1122,1123,1132,1152,1159,1163,1164,1168,1174,1178,1180,1201,1206,1210,1216,1223,1228,1237,1240,1263,1265,1266,1268,1278,1282,1401,1405,1410,1417,1422,1423,1445,1448,1450,1451,1455,1457,1463,1465,1480,1482,1503,1504,1505,1509,1510,1522,1532,1534,1545,1548,1550,1551,1555,1558,1571,1572,1574,1576,1601,1610,1619,1622,1623,1631,1632,1634,1637,1646,1650,1652,1658,1663,1670,1671,1676,2101,2103,2106,2115,2132,2134,2137,2148,2151,2154,2161,2168,2172,2178,2181,2182,2183,2201,2202,2203,2208,2239,2250,2251,2261,2263,2268,2273,2281,2287,2401,2403,2404,2408,2445,2448,2459,2468,2472,2477,2481,2484,2487,2501,2505,2508,2517,2533,2534,2540,2549,2558,2561,2567,2568,2577,2581,2584,2586,2587,2588,2601,2603,2608,2623,2631,2632,2633,2634,2639,2648,2649,2661,2668,2670,2685,2688,3104,3106,3111,3124,3125,3130,3131,3137,3142,3148,3155,3157,3159,3160,3161,3162,3188,3206,3207,3211,3225,3234,3237,3239,3257,3261,3266,3269,3275,3278,3285,3287,3288,3404,3405,3406,3433,3434,3438,3445,3448,3450,3455,3457,3467,3469,3475,3478,3482,3486,3504,3506,3528,3529,3531,3545,3553,3556,3557,3558,3561,3563,3567,3570,3572,3606,3632,3642,3645,3650,3656,3658,3661,3662,3669,3676,4104,4105,4106,4107,4109,4117,4124,4129,4137,4150,4160,4161,4163,4164,4172,4175,4181,4217,4229,4230,4233,4234,4241,4245,4247,4250,4260,4261,4264,4265,4272,4282,4404,4417,4419,4430,4434,4438,4443,4445,4448,4449,4452,4453,4457,4458,4486,4505,4511,4529,4533,4538,4539,4543,4547,4550,4551,4570,4578,4619,4632,4639,4641,4642,4643,4646,4648,4657,4668,4669,4682,4687,5107,5110,5115,5119,5121,5122,5123,5127,5128,5129,5130,5131,5150,5154,

TOPICAL INDEX

5156,5157,5158,5174,5175,5178,5206,5207,5209,5223,5228,5234,5243,5245,5254,5256,5258,5274,5443,5456,5457,5458,5459,5468,5469,5474,5475,5480,5481,5529,5543,5547,5552,5554,5555,5556,5568,5570,5575,5580,5581

Urban Geography

1101,1102,1103,1105,1107,1110,1116,1119,1120,1121,1122,1123,1133,1142,1147,1152,1159,1163,1164,1167,1168,1170,1173,1174,1178,1180,1201,1204,1206,1207,1210,1216,1219,1220,1221,1222,1225,1228,1233,1239,1242,1251,1263,1265,1267,1268,1274,1275,1278,1280,1401,1404,1407,1410,1412,1415,1417,1421,1422,1430,1431,1432,1445,1446,1447,1448,1450,1451,1452,1455,1457,1458,1459,1463,1464,1465,1474,1480,1502,1504,1505,1506,1507,1510,1513,1517,1519,1522,1523,1525,1531,1532,1533,1534,1539,1540,1545,1546,1548,1550,1552,1553,1555,1557,1562,1565,1567,1568,1572,1574,1575,1578,1580,1601,1602,1604,1606,1607,1610,1619,1623,1631,1632,1634,1638,1644,1646,1648,1650,1651,1652,1656,1660,1662,1671,1674,1675,1676,1678,1682,2101,2103,2106,2108,2113,2115,2117,2118,2119,2120,2121,2137,2139,2140,2142,2143,2147,2148,2150,2151,2158,2161,2164,2168,2170,2172,2173,2175,2179,2181,2182,2187,2188,2201,2203,2204,2208,2213,2215,2225,2229,2232,2237,2239,2240,2243,2246,2251,2253,2254,2257,2258,2261,2268,2273,2274,2275,2276,2277,2281,2282,2285,2286,2287,2288,2403,2408,2415,2417,2431,2434,2445,2446,2447,2448,2457,2462,2467,2468,2472,2473,2476,2477,2481,2484,2487,2488,2501,2503,2505,2507,2515,2533,2534,2540,2543,2549,2550,2553,2554,2555,2558,2561,2568,2573,2576,2580,2581,2582,2584,2586,2587,2588,2601,2603,2607,2608,2623,2628,2630,2631,2632,2634,2637,2639,2645,2647,2648,2649,2651,2653,2658,2659,2661,2663,2668,2670,2673,2677,2679,2680,2688,3101,3104,3106,3107,3111,3119,3122,3124,3130,3131,3137,3138,3142,3143,3148,3155,3156,3157,3158,3159,3160,3161,3162,3166,3167,3169,3173,3177,3179,3188,3204,3205,3206,3207,3210,3211,3225,3234,3237,3238,3243,3256,3257,3258,3261,3266,3268,3269,3271,3272,3284,3287,3288,3315,3404,3405,3406,3412,3416,3419,3421,3423,3429,3433,3434,3438,3443,3448,3450,3452,3455,3457,3467,3470,3474,3475,3482,3483,3488,3501,3504,3506,3520,3522,3528,3529,3534,3545,3548,3553,3554,3556,3557,3558,3561,3563,3567,3577,3582,3586,3588,3606,3630,3639,3642,3643,3644,3645,3646,3650,3651,3656,3657,3658,3661,3662,3667,3669,3676,3678,3681,4105,4106,4107,4109,4111,4117,4119,4129,4130,4137,4139,4140,4141,4146,4147,4149,4150,4156,4160,4161,4165,4166,4170,4172,4175,4181,4182,4185,4187,4206,4207,4208,4213,4217,4219,4229,4230,4233,4234,4237,4239,4241,4245,4247,4248,4249,4250,4256,4257,4260,4261,4262,4263,4265,4270,4272,4275,4279,4280,4282,4283,4284,4286,4404,4411,4417,4419,4429,4430,4432,4434,4440,4444,4445,4446,4448,4449,4451,4452,4454,4455,4457,4463,4470,4475,4478,4479,4481,4482,4486,4487,4506,4511,4518,4519,4529,4530,4532,4537,4542,4543,4547,4548,4554,4557,4558,4563,4514,4576,4580,4582,4603,4606,4608,4611,4616,4617,4618,4619,4632,4633,4640,4641,4642,4643,4653,4657,4669,4682,5105,5107,5115,5119,5122,5123,5128,5130,5141,5143,5145,5146,5150,5151,5154,5156,5157,5158,5159,5169,5174,5206,5207,5209,5221,5228,5232,5233,5234,5239,5243,5250,5251,5254,5256,5258,5260,5269,5270,5274,5409,5410,5420,5428,5443,5445,5446,5452,5455,5456,5457,5458,5468,5469,5474,5475,5476,5480,5481,5523,5533,5534,5543,5546,5547,5548,5552,5555,5556,5557,5568,5580,5581

Water Resources and Hydrology

1111,1118,1132,1140,1157,1175,1176,1206,1208,1211,1212,1218,1222,1225,1226,1232,1234,1240,1249,1275,1277,1278,1408,1411,1418,1434,1441,1450,1453,1472,1477,1503,1511,1523,1545,1550,1559,1573,1581,1606,1631,1643,1645,1650,1654,1657,1664,1673,1675,2107,2115,2132,2145,2161,2166,2187,2213,2218,2232,2261,2265,2266,2277,2278,2420,2429,2432,2452,2466,2513,2532,2548,2553,2561,2566,2579,2585,2604,2620,2645,2653,2661,3133,3142,3152,3161,3182,3248,3250,3261,3265,3280,3282,3423,3449,3455,3462,3463,3472,3477,3521,3549,3550,3561,3568,3572,3573,3575,3577,3655,3661,3672,3687,4101,4112,4121,4131,4143,4147,4161,4165,4177,4178,4181,4250,4254,4255,4261,4263,4278,4433,4438,4478,4487,4532,4547,4578,4587,4608,4637,4639,4678,4679,4682,

5141,5151,5153,5178,5207,5212,5215,5216,5219,5233,5242,5251,5279,5410,5429,5453,5521,5523,5543,5544

Wine

1456,2187,2561,2661,3277,3432,3473,3561,3573,3661

Women

1213,1233,1239,1252,1274,1406,1413,1452,1457,1458,1480,1547,1557,1564,1639,2161,2182,2261,2482,2537,2557,2561,2585,2661,3170,3243,3446,3468,3551,3554,3562,3568,3580,3668,4111,4161,4244,4245,4261,4264,4479,5148,5170,5230,5252,5410,5442,5523,5548

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