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2010 AAG ANNUAL MEETING **PROGRAM**

Washington, D.C.
April 14-18, 2010

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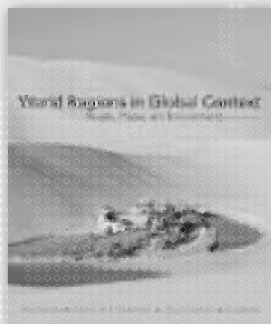
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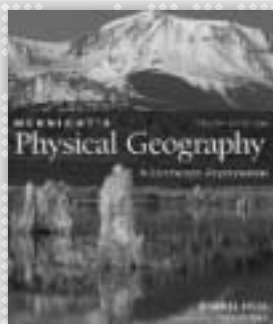
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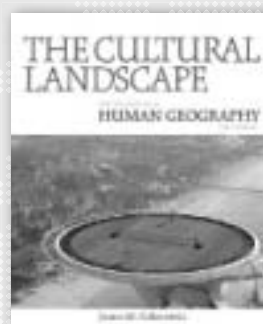
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THE ASSOCIATION OF AMERICAN GEOGRAPHERS



AAG

ASSOCIATION *of*
AMERICAN GEOGRAPHERS

2010 Annual Meeting

April 14-18, 2010

Washington, DC

PROGRAM

The Association of American Geographers

1710 Sixteenth Street, NW

Washington, DC 20009-3198

Phone (202) 234-1450

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A worldwide scientific community that advances, through unselfish cooperation in research, the understanding of the Earth and space for the benefit of humanity.

AGU is an international Union of scientists, working together on a broad spectrum of scientific topics that span all of the Earth and space sciences.

AGU Membership encompasses more than 50,000 individuals from over 135 countries. Benefits includes the free weekly newspaper, *Eos*; free subscription to *Physics Today*, discounts on AGU journals and books, discounts on meeting registration, access to job ads, and more.

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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 will provide limited reimbursement to registered attendees to subsidize part of the necessary child care expenses incurred during the meeting at a licensed child care provider up to a maximum of \$300. Reimbursement forms should be submitted to the AAG after the conference along with **original** receipts that clearly show the hourly or daily rate and the number of hours for each day and a check will be mailed to you. Total reimbursement is limited to \$300 per family.

Reimbursement is only available for childcare on-site in Washington, DC. No reimbursement is made for childcare at your home while you are in Washington, DC or for childcare provided by anyone other than a licensed child-care provider. All childcare arrangements should be made by the individual attendee. Licensed childcare agencies in the Washington, DC area include Family & Childcare, Inc. (202-723-2051), White House Nannies (301-652-8088), and Five Star Nannies (301-300-2661), among others. AAG does not endorse, recommend, or promote any one agency. Responsibility for selection and investigation of an agency's credentials is the sole responsibility of the child's parent or guardian.

CONFERENCE ASSISTANTS

Please report to the Conference Assistants Desk (next to the AAG Registration Desk located near Convention Registration Desks #1 and #2/Coat Check in the Marriott Wardman Park 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 and purchase geography-related textbooks and publications while meeting with publishers. The AAG Annual Meeting Exhibit Hall is located in Exhibit Hall A on the Exhibition Level of the Marriott Wardman Park Hotel.

EXHIBIT HALL HOURS

Thursday, April 15

6:50 p.m. - 9:00 p.m.
7:30 p.m.

Exhibit Hall Open
International Reception in
the Exhibit Hall

Friday, April 16

9:30 a.m. - 5:30 p.m.

Exhibit Hall Open

Saturday, April 17

9:30 a.m. - 5:30 p.m.

Exhibit Hall Open

Sunday, April 18

9:30 a.m. - 3:30 p.m.

Exhibit Hall Open

GENERAL INFORMATION

INTERNET ACCESS

Complimentary internet stations will be provided by the AAG to conference attendees near Registration A located on the Mezzanine Level at the Marriott. As a courtesy to other conference attendees, please limit your time at the internet stations to 20 minutes.

The Omni Shoreham Hotel offers complimentary wireless internet access in the lobby of the hotel. Attendees staying at the Omni Shoreham Hotel can register at OmniSelect-Guest.com to sign up for the Omni's loyalty program with complimentary in-room internet service.

MEETING VENUES

Sessions, workshops and special events will take place in either the Marriott Wardman Park Hotel or the Omni Shoreham Hotel. All field trips will depart from the 24th Street Exit at the Marriott Wardman Park Hotel, located next to Harry's Pub.

Marriott Wardman Park Hotel

2660 Woodley Road NW
Washington, District of Columbia 20008 USA
(202) 328-2000

Omni Shoreham Hotel

2500 Calvert Street NW (at Connecticut Ave.)
Washington, District of Columbia 20008
(202) 234-0700

To access the session rooms in the Omni Shoreham Hotel, exit the Marriott at the 24th street entrance (next to Harry's Pub). Walk down to the end of the driveway and take a right on the sidewalk. Go to the end of the block and cross over Calvert Street. Take a right on the other side of Calvert. The entrance to the Omni will be 50 yards on your left.

To exit through the back entrance of the Marriott, board the elevators by Park Tower Room 8205 and press "L". Exit through the doors in front of you. Take the crosswalk across Calvert Street. Follow the sidewalk up the hill to your left. The main entrance to the Omni Shoreham Hotel will be on your right.

MOBILITY ASSISTANCE

Conference assistants will be stationed at the entrance of both hotels to provide mobility assistance between the two hotels as needed, including provision of wheelchairs for the ½ block walk between the two 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 hotels.

PHOTOGRAPHY IN SESSIONS

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

PRESENTATION CONTENT

The Annual Meeting of the Association of American 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 Association of American 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 will be located in the Convention Registration Desk Area on the Lobby Level of the Marriott Wardman Park Hotel. Registration will be open during the following hours:

Tuesday, April 13	4:00 p.m. - 7:00 p.m.
Wednesday, April 14	8:00 a.m. - 7:30 p.m.
Thursday, April 15	7:00 a.m. - 7:00 p.m.
Friday, April 16	7:00 a.m. - 7:00 p.m.
Saturday, April 17	7:30 a.m. - 5:00 p.m.
Sunday, April 18	7:30 a.m. - 12:00 p.m.

MARRIOTT WARDMAN PARK HOTEL

Location of Meeting Rooms

See page 72-73 for the Key to Room Numbers and Session Numbers. Rooms may not be numbered chronologically by location.

Rooms by Level:

Marriott Wardman Park, Lobby Level

Capitol Boardroom	Not Numbered
Congressional Room	Room #01
Convention Registration Desk Area	Not Numbered (AAG Registration)
Delaware Suite A	Room #02
Delaware Suite B	Room #03
Embassy	Room #04
Ethan Allen	Room #05
Marriott Ballroom Salon 1	Room #06
Marriott Ballroom Salon 2	Room #73
Marriott Ballroom Salon 3	Room #07
Maryland Suite A	Room #08
Maryland Suite B	Room #09
Maryland Suite C	Room #10
Nathan Hale	Room #11
Park Tower 8201	Not Numbered (Speaker Ready Room)
Park Tower 8205	Room #74
Park Tower 8206	Room #12
Park Tower 8209	Room #13
Park Tower 8210	Room #14
Park Tower 8211	Room #75
Park Tower 8212	Room #15
Park Tower 8216	Room #16
Park Tower 8217	Room #76
Park Tower 8218	Room #77
Park Tower 8219	Room #17
Park Tower 8222	Room #18
Park Tower 8223	Not Numbered (Press Room)
Park Tower 8224	Room #78
Park Tower 8229	Room #79
Thomas Paine	Room #19
Virginia Suite A	Room #20
Virginia Suite B	Room #21
Virginia Suite C	Room #22

Marriott Wardman Park, Mezzanine Level

Buchanan	Not Numbered
Cleveland 1	Room #80
Cleveland 2	Room #81
Coolidge	Room #23
Harding	Room #24
Hoover	Room #25
Jackson	Room #26
Jefferson	Room #27
Johnson	Room #28
Marriott Ballroom Balcony A	Room #29
Marriott Ballroom Balcony B	Room #30
Marriott Ballroom Balcony C	Room #31
Marriott Ballroom Balcony D	Room #32
McKinley	Room #33
Taft	Room #34
Taylor	Room #35
Thurgood Marshall East	Room #36
Thurgood Marshall North	Room #37
Thurgood Marshall South	Room #38
Thurgood Marshall West	Room #39
Truman	Room #40
Tyler	Room #41
Wilson A	Room #42
Wilson B	Room #43
Wilson C	Room #44

Marriott Wardman Park, Exhibition Level

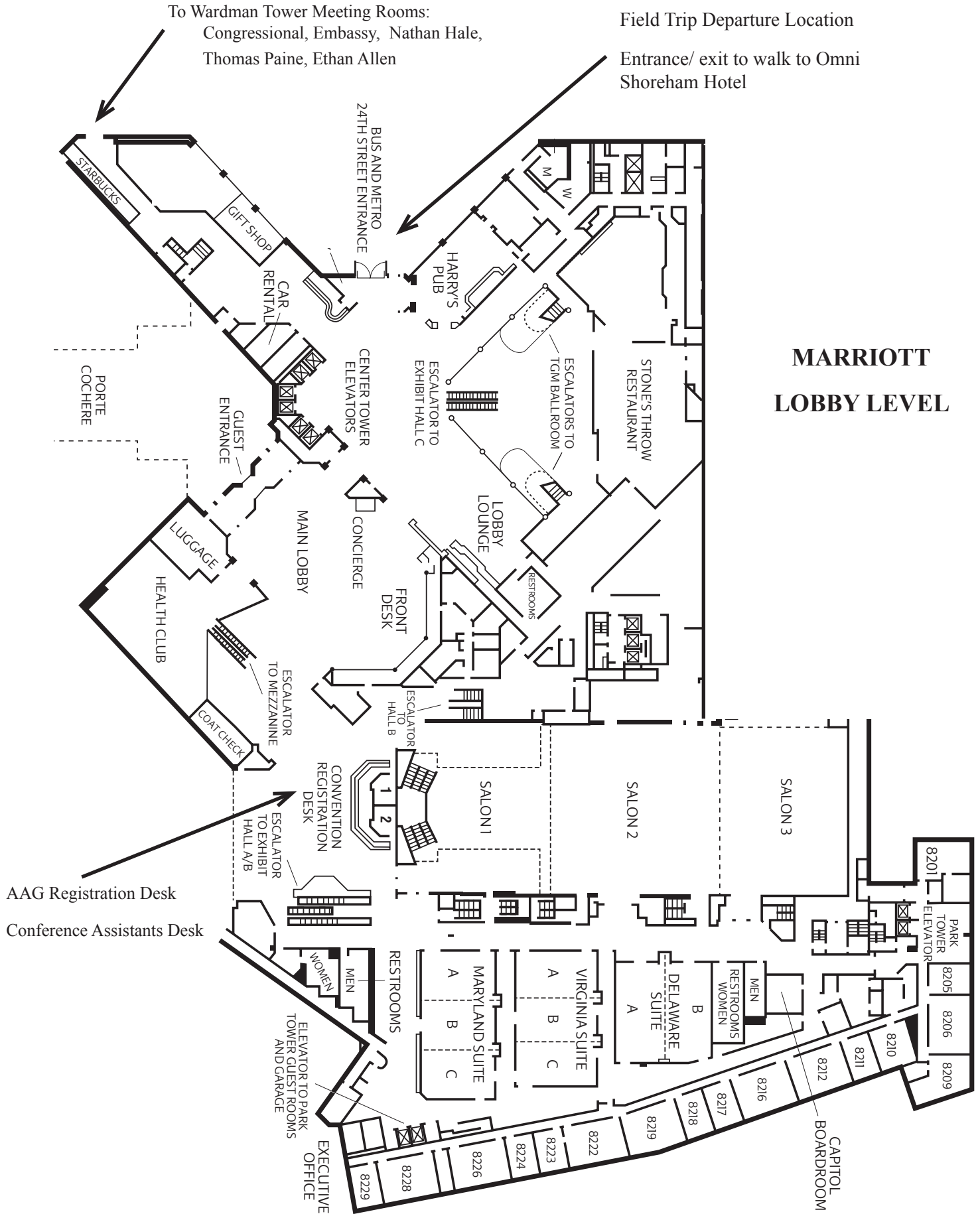
Atrium	Not Numbered
Exhibit Hall A	Not Numbered (AAG Exhibit Hall)
Exhibit Hall B	Room #45 (Posters)
Exhibit Hall C	Not Numbered (AAG JIG Exhibit)
Lincoln Room 1	Room #82
Lincoln Room 2	Room #46
Lincoln Room 3	Room #47
Lincoln Room 4	Room #48
Lincoln Room 5	Room #49
Lincoln Room 6	Room #50
Washington Room 1	Room #51
Washington Room 2	Room #52
Washington Room 3	Room #53
Washington Room 4	Room #54
Washington Room 5	Room #55

Rooms Alphabetically:

Atrium	Not Numbered	Exhibition Level
Buchanan	Not Numbered	Mezzanine Level
Capitol Boardroom	Not Numbered	Lobby Level
Cleveland 1	Room #80	Mezzanine Level
Cleveland 2	Room #81	Mezzanine Level
Congressional Room	Room #01	Lobby Level
Convention Registration Desk Area	Not Numbered	Lobby Level
Coolidge	Room #23	Mezzanine Level
Delaware Suite A	Room #02	Lobby Level
Delaware Suite B	Room #03	Lobby Level
Embassy	Room #04	Lobby Level
Ethan Allen	Room #05	Lobby Level
Exhibit Hall A (AAG Exhibit Hall)	Not Numbered	Exhibition Level
Exhibit Hall B (Posters)	Room #45	Exhibition Level
Exhibit Hall C (AAG JIG Exhibit)	Not Numbered	Exhibition Level
Harding	Room #24	Mezzanine Level
Hoover	Room #25	Mezzanine Level
Jackson	Room #26	Mezzanine Level
Jefferson	Room #27	Mezzanine Level
Johnson	Room #28	Mezzanine Level
Lincoln Room 1	Room #82	Exhibition Level
Lincoln Room 2	Room #46	Exhibition Level
Lincoln Room 3	Room #47	Exhibition Level
Lincoln Room 4	Room #48	Exhibition Level
Lincoln Room 5	Room #49	Exhibition Level
Lincoln Room 6	Room #50	Exhibition Level
Marriott Ballroom Balcony A	Room #29	Mezzanine Level
Marriott Ballroom Balcony B	Room #30	Mezzanine Level
Marriott Ballroom Balcony C	Room #31	Mezzanine Level
Marriott Ballroom Balcony D	Room #32	Mezzanine Level
Marriott Ballroom Salon 1	Room #06	Lobby Level
Marriott Ballroom Salon 2	Room #73	Lobby Level
Marriott Ballroom Salon 3	Room #07	Lobby Level
Maryland Suite A	Room #08	Lobby Level
Maryland Suite B	Room #09	Lobby Level
Maryland Suite C	Room #10	Lobby Level
McKinley	Room #33	Mezzanine Level
Nathan Hale	Room #11	Lobby Level
Park Tower 8201	Not Numbered	Lobby Level
Park Tower 8205	Room #74	Lobby Level
Park Tower 8206	Room #12	Lobby Level
Park Tower 8209	Room #13	Lobby Level
Park Tower 8210	Room #14	Lobby Level
Park Tower 8211	Room #75	Lobby Level
Park Tower 8212	Room #15	Lobby Level
Park Tower 8216	Room #16	Lobby Level
Park Tower 8217	Room #76	Lobby Level
Park Tower 8218	Room #77	Lobby Level
Park Tower 8219	Room #17	Lobby Level
Park Tower 8222	Room #18	Lobby Level
Park Tower 8223 (Press Room)	Not Numbered	Lobby Level
Park Tower 8224	Room #78	Lobby Level
Park Tower 8229	Room #79	Lobby Level
Taft	Room #34	Mezzanine Level
Taylor	Room #35	Mezzanine Level
Thomas Paine	Room #19	Lobby Level
Thurgood Marshall East	Room #36	Mezzanine Level
Thurgood Marshall North	Room #37	Mezzanine Level
Thurgood Marshall South	Room #38	Mezzanine Level
Thurgood Marshall West	Room #39	Mezzanine Level
Truman	Room #40	Mezzanine Level
Tyler	Room #41	Mezzanine Level
Virginia Suite A	Room #20	Lobby Level
Virginia Suite B	Room #21	Lobby Level
Virginia Suite C	Room #22	Lobby Level
Washington Room 1	Room #51	Exhibition Level
Washington Room 2	Room #52	Exhibition Level
Washington Room 3	Room #53	Exhibition Level
Washington Room 4	Room #54	Exhibition Level
Washington Room 5	Room #55	Exhibition Level
Wilson A	Room #42	Mezzanine Level
Wilson B	Room #43	Mezzanine Level
Wilson C	Room #44	Mezzanine Level

MARRIOTT WARDMAN PARK HOTEL

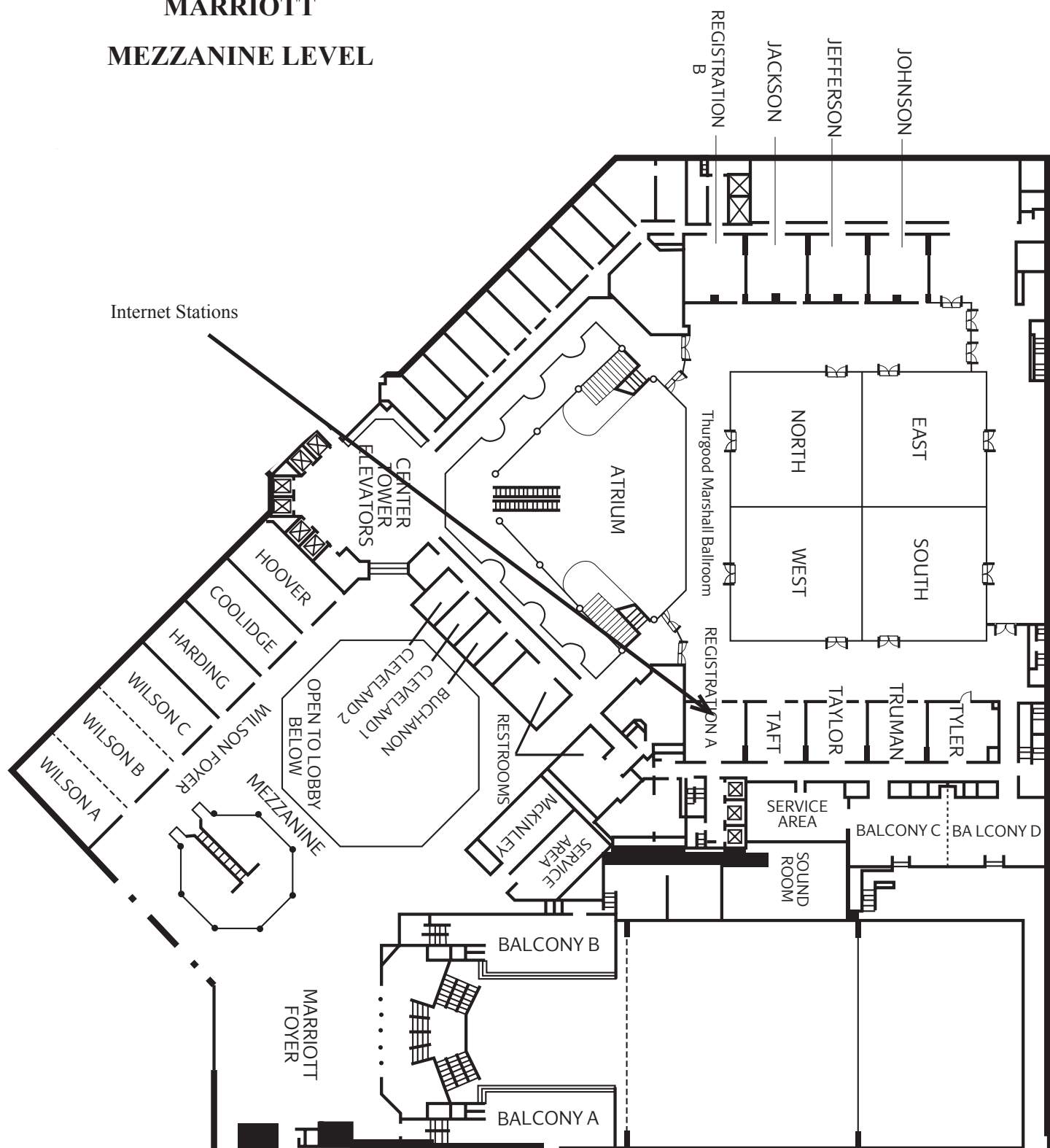
Lobby Level



MARRIOTT WARDMAN PARK HOTEL

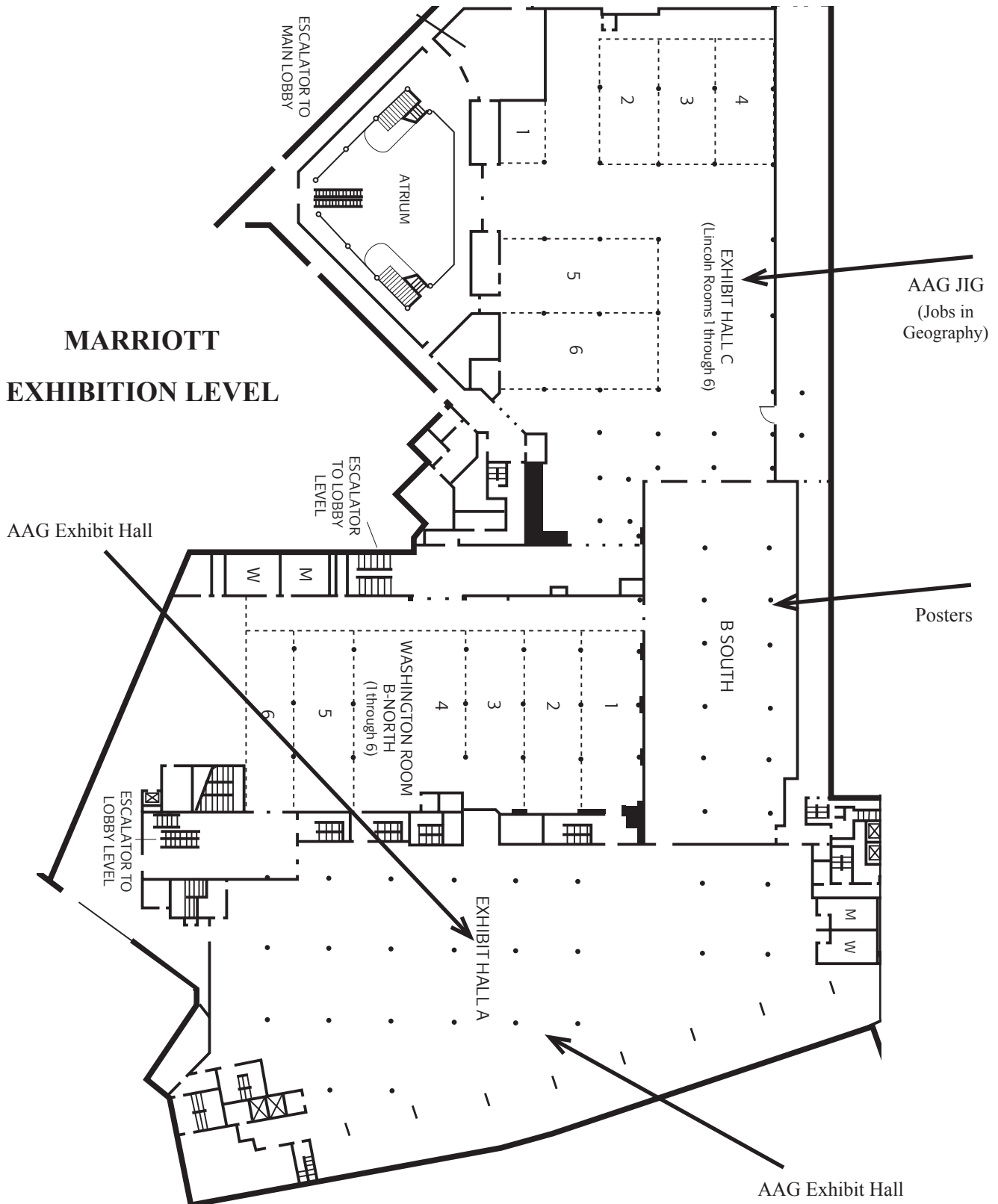
Mezzanine Level

MARRIOTT MEZZANINE LEVEL



MARRIOTT WARDMAN PARK HOTEL

Exhibition Level



OMNI SHOREHAM HOTEL

See page 72-73 for the Key to Room Numbers and Session Numbers. Rooms may not be numbered chronologically by location.

Omni Meeting Rooms Alphabetically:

(all rooms are on the Lobby Level, unless otherwise indicated below)

Blue Room	Room #56	East Promenade
Cabinet	Room #57	West Promenade
Calvert	Room #58	East Promenade
Capitol	Room #59	East Promenade
Chairman	Room #60	East Promenade
Congressional A	Room #61	West Promenade
Congressional B	Room #62	West Promenade
Council	Room #63	West Promenade
Diplomat	Room #64	West Promenade
Director's	Room #65	West Promenade
Embassy	Room #66	East Promenade
Empire	Room #67	West, Lower Level
Forum	Room #68	West Promenade
Governor's	Room #69	East Promenade
Hampton	Room #70	East Promenade
Palladian	Room #71	West Promenade
Senate	Room #72	West Promenade

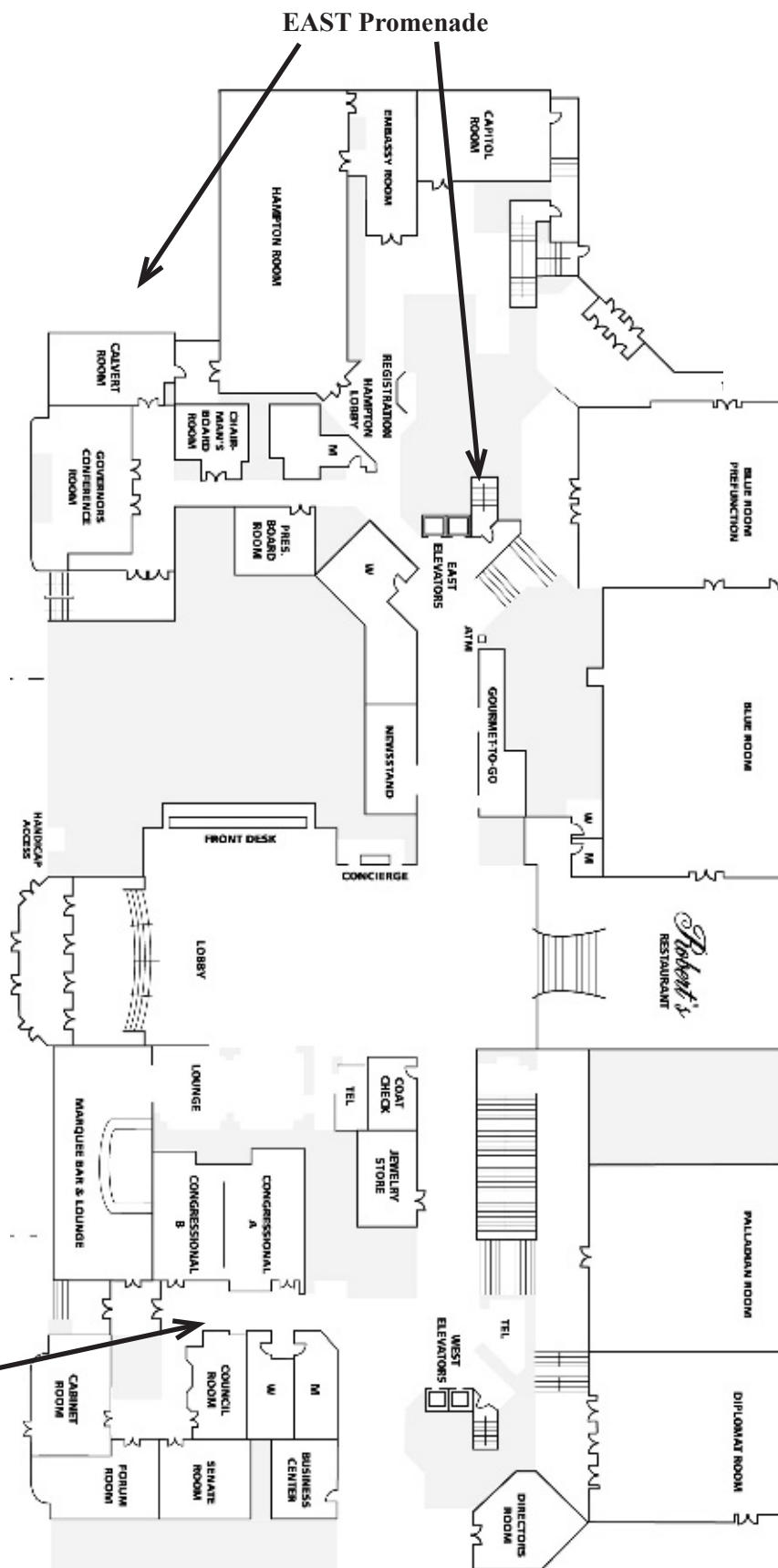
Entrance/exit to walk to Marriott

WEST Promenade

EAST Promenade

Empire Room

Empire Room - Lower Level





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"From a respected cartographer, this is a well-written and easy-to-understand textbook for an introductory course in cartography or map design. A major advantage of this book is that it does not focus on specific GIS software; rather, the design principles can be applied to any GIS software used to make maps."

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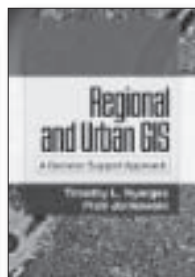
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Revised & Expanded!

MEDICAL GEOGRAPHY

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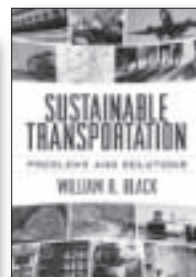
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Michael Emch

"The mainstay of Medical Geography classes in the United States for the last 10 years. The third edition contains several welcome updates, especially the sections on GIS and spatial analysis. This is one of the few texts that synthesize many different areas of health and medical geography."

—Andrew Curtis



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PLENARY SESSIONS AND SPECIAL EVENTS

The U.S. Board on Geographic Names: Committees to Meet at the AAG

Tuesday, April 13, 10:00 a.m. - 3:30 p.m.
Room: Nathan Hale, Marriott, Lobby Level

The U.S. Board on Geographic Names (BGN) consists of officials from ten U.S. government departments and agencies. The BGN will hold its regularly scheduled committee meetings in conjunction with the AAG Annual Meeting. Both The BGN Domestic Names Committee meeting (10:00 a.m. – 12:00 p.m.) and the BGN Foreign Names Committee meeting (1:30 p.m. – 3:30 p.m.) are open to the public and AAG attendees are welcome to attend. This is an opportunity to witness how place names are standardized for official use within the U.S. government. The Board's decisions influence what names appear on the maps of many of the world's most prestigious English-language cartographies. Come see toponymy in action.

ESRI Sponsors \$20,000 Student Social Media Challenge at 2010 AAG Meeting

ESRI is sponsoring "Analyzing Volunteered Geographic Information" a social media challenge open to all students attending AAG 2010.

All participants in phase 1 will receive an ESRI coffee mug, with approximately 20 winning entries in phase 2 receiving cash prizes ranging from \$500 to \$5,000.

Phase 1 involves Tweeting basic data on social contacts made during the meeting ("talked to a professor about thesis topic") and posting them to the web in a common volunteered geographic information (VGI) cloud map.

Phase 2 challenges participants to analyze all of the social data collected and draw conclusions or tell a story (when, where, who, what happened) about the patterns, quantity and quality of the social interaction and knowledge

Preliminary results of the challenge will be presented on Friday at 4:40 p.m. during Panel Session 3654 (Collaborative GIS for Addressing Global Challenges: The ArcGIS Platform) in the Washington Room 4, Marriott, Exhibition Level.

Visit the ESRI exhibition area, booth 702, for additional information or to register for the challenge.

Thomas Mesenbourg, Deputy Director, U.S. Census Bureau

Wednesday, April 14, 11:50 a.m. - 12:30 p.m.
Room: Washington Room 1, Marriott, Exhibition Level

Organized by: Douglas Richardson, AAG Executive Director

Chair: John S. Adams, University of Minnesota, Minneapolis

Introduction: Wei Li, Arizona State University

Speaker: **Thomas Mesenbourg**, Deputy Director, U.S. Census Bureau

Sponsored by: Population Specialty Group and Ethnic Geography Specialty Group

Immediately following Thomas Mesenbourg's plenary talk will be a special session featuring senior Census Bureau Officials.

AAG Honorary Geographer Nora Volkow Mapping the Addicted Human Brain

Wednesday, April 14, 4:40 p.m. - 6:20 p.m.
Room: Coolidge, Marriott, Mezzanine Level

Organized by: Association of American Geographers

Introduction: Douglas Richardson, AAG Executive Director

Speaker: **Nora Volkow**, Director, National Institute on Drug Abuse

The AAG's 2010 Honorary Geographer, Nora D. Volkow, M.D., Director of the NIH National Institute on Drug Abuse (NIDA) will give a presentation on her research, which uses brain imaging to "map" the effects of drugs and their addictive properties. Dr. Volkow was designated the 2010 Honorary Geographer for creatively thinking beyond the bounds of her own discipline in working collaboratively with the AAG to increase research on the ways that geographical context intersects with drug addiction, leading to a better understanding of its etiology, its diffusion, and its interaction with geographically variable social, economic, and environmental factors. Dr. Volkow will take questions following her presentation.

PLENARY SESSIONS AND SPECIAL EVENTS

AAG OPENING SESSION

Wednesday, April 14, 6:30 p.m. - 8:00 p.m.

Room: Marriott Ballroom Salon 1 and 2, Lobby Level

Welcoming remarks:

Douglas Richardson, AAG Executive Director

Carol P. Harden, AAG President, University of Tennessee

Presidential Plenary: America's Climate Choices

Organizer: **Carol P. Harden**, AAG President

The Presidential Plenary session features the leadership of geographers on each of the four interdisciplinary panels of "America's Climate Choices" and offers an inside view of this important national effort. "America's Climate Choices" is a major study of the National Academies of Science. Responding to a request from Congress, the four panels are developing recommendations for what can be done to limit the magnitude of future climate change, adapt to the impacts of climate change, better understand climate change and its interactions with human and ecological systems, and inform effective decisions and actions related to climate change. Geographers **Marilyn Brown** (vice chair of Limiting the Magnitude Panel), **Tom Wilbanks** (vice chair of Adapting to the Impacts Panel), **Diana Liverman** (vice chair of Informing Effective Decisions and Actions Panel) and **Billie Turner** (member, Advancing the Science Panel) will discuss the scope and emphasis of each panel and the roles of geographers in the important work of shaping America's response to a future affected by climate change.

AAG PAST PRESIDENT'S ADDRESS

by **John A. Agnew**

Waterpower: Politics and Geography of Water Provision

Thursday, April 15, 6:30 p.m. - 7:45 p.m.

Room: Marriott Ballroom Salon 2, Lobby Level

Introduction: **Carol P. Harden**, AAG President, University of Tennessee

Speaker: **John A. Agnew**, AAG Past President, University of California, Los Angeles

Access to potable water will likely be the defining geographical crisis of the twenty-first century. The purpose of this address is to argue, first, that the water problem is predominantly a political one in which democratic politics can in fact work to achieve outcomes other than the choice between destruction and despair that seems most popular these days; and second, that we have trouble recognizing this because we have views about politics, and not just in relation to water provision, that either subordinate it to various natural or economic forces or trivialize it in a populist vein as corrupt, venal, and compromised. The word "compromise" is seen in a particularly negative light. "All or nothing" is the leitmotif of most of what goes for what politics should be. The possibilities of actual political processes, formal and informal, excite limited interest. Self-defined radicals and conservatives alike passively wait for their various "end times." Too often the attitude is: if I don't get everything, then I'll take nothing. For water's sake we must take politics more seriously. The AAG Presidential Achievement Award also will be presented to Professor **Peter Meusbürger** prior to the Past President's Plenary.

AAG INTERNATIONAL RECEPTION in the EXHIBIT HALL

Thursday, April 15, 7:30 p.m. - 9:00 p.m.

Room: AAG Exhibit Hall: Exhibit Hall A, Marriott, Exhibition Level

Mingle with colleagues from around the world at the International Reception in the Exhibit Hall. The reception will provide opportunities for all AAG participants to welcome overseas attendees and explore with them common interests in teaching, research, and service. Free drink with AAG ticket (provided in your registration packet). See pages 62-63 for a list of exhibitors and an exhibit hall floor plan.

PLENARY SESSIONS AND SPECIAL EVENTS

John Hébert, Director, Geography and Map Division, Library of Congress

The Geography and Map Division of the Library of Congress: More than 110 Years of Map Collecting and Service to Congress and Scholarship

Thursday, April 15, 8:00 p.m. - 9:30 p.m.

Room: Lincoln Room 3, Marriott, Exhibition Level

Introduction: Douglas Richardson, AAG Executive Director

Chair: Howard Lange, Washington Map Society

Speaker: **John Hébert**, Director, Library of Congress

John Hébert, Director of the Library of Congress Geography and Map Division, will deliver a special plenary presentation on the Library of Congress' geographic collections, its dynamic plans for the future, and how geographers can access the Library for research and pleasure.

This presentation is sponsored by the **Washington Map Society**.

Paul Krugman, Nobel Prize Recipient in Economics

The New Geography, Now Middle Aged

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Room: Marriott Ballroom Salon 2 and 3, Lobby Level

Organized by: Sally Hardy, Regional Studies Association

Introduction: Ron Boschma, Utrecht University; David Bailey, Coventry University, UK

Speaker: **Paul Krugman**, Princeton University, Woodrow Wilson School of Public and International Affairs

Discussant: Michael Storper, London School of Economics

Paul Krugman, recipient of a Nobel Prize in 2008 for groundbreaking work in economic geography and international trade, will present the Regional Studies Association Annual Lecture, "The New Geography, Now Middle Aged." Krugman, the AAG's 2009 Honorary Geographer, is professor of economics in the Woodrow Wilson School of Public and International Affairs at Princeton University and a well-known public commentator on economics and politics.

AAG Atlas Award Presentation and Lecture by Jane Goodall

Gombe and Beyond: The Next 50 Years

Friday, April 16, 6:30 p.m. - 8:00 p.m.

Room: Marriott Ballroom and Balconies, Lobby Level

Introduction: Douglas Richardson, AAG Executive Director

Presentation of Atlas Award: Carol Harden, AAG President

Speaker: **Jane Goodall**, Ph.D., DBE; Founder – The Jane Goodall Institute & UN Messenger of Peace

World-renowned primatologist, anthropologist, environmentalist, and humanitarian **Dr. Jane Goodall** will be presented with the inaugural AAG Atlas Award. This new award is designed to recognize and celebrate outstanding accomplishments that advance world understanding in exceptional ways. Widely recognized for her groundbreaking study of chimpanzees, which she began in Tanzania in 1960, Dr. Goodall is a renowned advocate for conservation and environmental causes. The award presentation will be followed by an address entitled, **Gombe and Beyond: The Next 50 Years**, to be delivered by Dr. Goodall to a gathering of geographers, media members, and other meeting attendees.

The year 2010 marks a monumental milestone for the Jane Goodall Institute (JGI) and its founder, Dr. Jane Goodall, DBE. Fifty years ago, Goodall, who is today a world-renowned primatologist, conservationist and UN Messenger of Peace, first set foot on the shores of Lake Tanganyika, in what is now Tanzania's Gombe National Park. The chimpanzee behavioral research she pioneered there has produced a wealth of scientific discovery, and her vision has expanded into a global mission to empower people to make a difference for all living things. While the original research was conducted using binoculars and notebooks, half a century later this long-term study employs state-of-the-art geospatial technologies such as QuickBird satellite imagery (DigitalGlobe) and ArcGIS tools (ESRI) to monitor chimpanzee habitat inside and outside the park.

In her lecture, **Gombe and Beyond: The Next 50 Years**, Dr. Goodall will reflect - both personally and professionally - on the meaning of the past five decades, the extraordinary changes the world has seen since 1960, and the impact these changes have had on people, animals and the environment we all share. In addition, she will discuss the role we must all play over the next 50 years to ensure a better future for generations to come. For more information about Dr. Goodall and her work, please visit www.janegoodall.org and www.rootsandshoots.org.

PLENARY SESSIONS AND SPECIAL EVENTS

AAG ANNUAL AWARDS LUNCHEON

Sunday, April 18, 12:00 p.m. - 2:00 p.m.

Room: Delaware Suite A/B, Marriott, Lobby Level

Join colleagues and friends in honoring the recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Sunday, April 18 in Delaware Rooms A and B from 12:00 p.m. - 2:00 p.m. The following AAG Honors will be presented:

Ronald J. Johnston, University of Bristol,
Lifetime Achievement Award

James S. Duncan, University of Cambridge,
Distinguished Scholarship Honors

Daniel A. Griffith, University of Texas, Dallas,
Distinguished Scholarship Honors

David A. Lanegran, Macalester College, Gilbert
Grosvenor Honors for Geographic Education

Victor H. Winston and Bellwether Publishing,
AAG Publication Award

Joshua Muldavin, Sarah Lawrence College,
AAG Award for Media Achievement

In addition to AAG Honors, the J. Warren Nystrom Awards, the Jackson Prize, the AAG Enhancing Diversity Award, and the AAG Mel Marcus Fund for Physical Geography, Specialty Group Awards, and others will be presented.

The following individuals have held 50 years of continuous AAG membership, a measure of support for the Association that will be recognized at the AAG Awards Luncheon:

Robert Bielski	Paul T. Johnson
Karl W. Butzer	Paul L. Kendall
Emilio Casetti	Stanley Mackun
John M. Crowley	Dorothy S. Mason
Charles Ebert	John Ray
Daniel W. Gade	Neil E. Salisbury
Joseph W. Glass	Robert Smith
Charles F. Gritzner	Robert N. Thomas

The cost of the luncheon is \$55, including service and tax. A complete table of ten is also available for \$495. Tickets may be purchased at the AAG Registration Desk.

AAG BUSINESS MEETING

Sunday, April 18, 2:00 p.m. - 3:00 p.m.

Room: Maryland Suite C, Marriott, Lobby Level

The AAG's annual Business Meeting will be held in the Maryland Suite Room at the Marriott Wardman Park, Lobby Level, on Sunday, April 18 from 2:00 p.m. - 3:00 p.m. AAG officers will present their annual reports. All are welcome to attend.

SPECIAL SESSION TRACKS

Climate Change:

Climate change will be one overarching focus of the AAG Annual Meeting, with over 50 sessions running on two continuous tracks over the course of the conference. The meeting will open with the Presidential Plenary, "America's Climate Choices," on Wednesday evening, April 14, at 6:30 p.m. (Marriott Ballroom Salon 2). Organized and chaired by AAG President Carol P. Harden, this session will explore the presence and leadership of geographers on each of the four interdisciplinary panels comprising a suite of studies designed by the National Academy of Sciences and intended to inform and guide responses to climate change across the nation. Geographers Marilyn Brown (vice chair of Limiting the Magnitude), Tom Wilbanks (vice chair of Adapting to the Impacts), Diana Liverman (vice chair of Informing Effective Decisions and Actions), and Billie Turner (member, Advancing the Science) will discuss the scope and emphasis of each panel and the roles geographers are playing in the important work of shaping America's response to a future affected by global climate change.

There are over fifty climate change sessions including the following:

1233, 1267, 1469, 1569, 1667, 1669, 1671, 1773, 2129, 2130, 2204, 2236, 2429, 2430, 2529, 2530, 2629, 2636, 3106, 3120, 3121, 3170, 3206, 3220, 3221, 3420, 3421, 3426, 3520, 3521, 3620, 3621, 4130, 4230, 4429, 4430, 4530, 4547, 4554, 4629, 4630, 5108, 5109, 5208, 5209, 5408, 5409, 5508

To view full details on this special session track, visit <http://aag.org/annualmeetings/2010/tracks/climate.htm>

PLENARY SESSIONS AND SPECIAL EVENTS

SPECIAL SESSION TRACKS (continued)

Historical GIS, Place Names, and Gazetteers:

The AAG is sponsoring a special set of sessions on historical GIS, place names and the related topic of gazetteers at the Annual Meeting. This special sequence will open with a panel session led by the Board of Geographic Names at 8:00 am on Thursday, April 15 (Wilson C, Marriott Mezzanine), “Standardizing Toponyms in the 21st Century.” Additional sessions will include “History, Place Names, and Gazetteers” on Thursday at 10:00 am (Wilson C, Marriott Mezzanine), organized by Peter Bol, Director of Harvard University’s Center for Geographic Analysis, and “Place Names and Cartography” to be held at 8:00 a.m. on Friday, April 16 (Wilson C, Marriott Mezzanine). Also, the Board of Geographic Names will hold their annual business meeting, which is open to AAG attendees, just prior to the start of the Annual Meeting, on April 13 (see page 31)

Below is a list of related session numbers for reference in the program:

1111, 2144, 2244, 2444, 2544, 2644, 3144, 3244, 3444, 3544, 3644, 4144, 4244, 4444, 4544, 4644

To view full details on this special session track, visit <http://aag.org/annualmeetings/2010/tracks/gazetteers.htm>

Geography and Human Rights:

A track of special Geography & Human Rights sessions has been organized by the AAG for the Annual Meeting. This includes a “Human Rights 101 for Geographers” workshop in which participants will gain an understanding of key human rights concepts in geographical perspective. The workshop will be held Thursday, April 15 at 2:40 p.m. (Marriott Ballroom Balcony C, Marriott Mezzanine) and is free to all meeting attendees.

Below is a list of related session numbers for reference in the program:

2131, 2431, 2531

To view full details on this special session track, visit <http://aag.org/annualmeetings/2010/tracks/human-rights.htm>

Enhancing Diversity:

A special set of sessions exploring issues of diversity in higher education will highlight research that can support geography and geosciences departments in their efforts to design and implement plans to become more inclusive, broaden participation, and engage traditionally underrepresented populations.

Below is a list of related session numbers for reference in the program:

1419, 1468, 1519, 1619, 2141, 2241, 2441, 2541, 2641, 3112, 3212, 3412, 3432, 3512, 3612, 4150, 4250, 4450, 4626

To view full details on this special session track, visit <http://www.aag.org/annualmeetings/2010/tracks/diversity.htm>



AAG ANNUAL CONFERENCE SEATTLE 2011

Save the Date
April 12-16, 2011

Join us in Seattle

The Association of American Geographers cordially invites you to join us on April 12-16, 2011, in Seattle, Washington, for the next AAG Annual Conference.

Sessions & Workshops

The conference program will feature presentations from many leading scholars and experts on the latest in research, policy, and scientific applications. Topics include:

- Climate Change, GIS, Natural Hazards
- Historical GIS
- Cultural Geography
- Geography Education
- Cartography
- Human Geography
- Geospatial Information Technologies

Call for Papers

The AAG also welcomes presentations from scholars, professionals, and students on these and other related topics. Look for a call for papers in Summer 2010. Earlier submission is highly encouraged.

Join the AAG

It is an exciting time to be a geographer. Interest in the field is growing, and the need for geographic knowledge and expertise is increasing.

Join or renew your membership at the on-site registration desk to save on your dues. Limited time offer.

Benefits

AAG members enjoy exclusive access to two scholarly journals, the monthly *AAG Newsletter*, discounts on publications, and much more.

When you join the AAG, you become part of an active community where you can meet and network with other geographers and related professionals. You also will learn about new approaches, methods, and techniques, develop your professional skills, and advance your career.

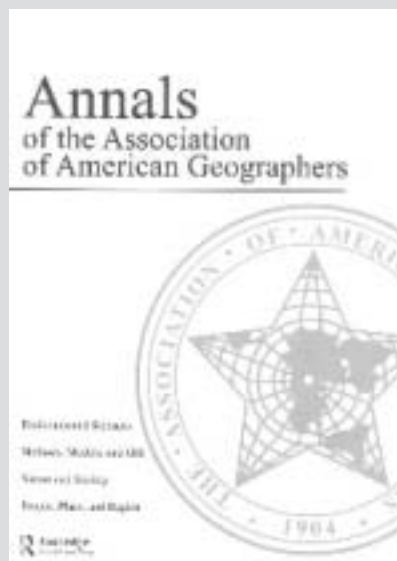
About the AAG

The AAG is a nonprofit scientific and educational society founded in 1904. For more than 100 years the AAG has contributed to the advancement of geography. The AAG also advances professional studies in geography and encourages the application of geographic research in education, government, and business.



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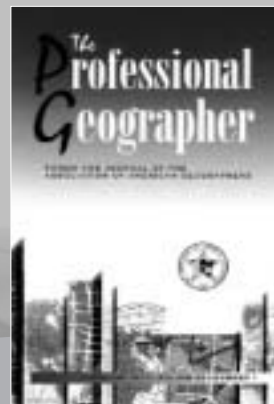
A Meet the Editors of the Annals of the AAG panel session (session 4431) is scheduled for Saturday, April 17, 12:40-2:20pm

The Professional Geographer

The Professional Geographer, initially a publication of the American Society for Professional Geographers, became a journal of the Association of American Geographers in 1949. It publishes short articles of academic or applied geography, emphasizing empirical studies and methodologies, as well as book reviews. These features may range in content and approach from rigorously analytic to broadly philosophical or prescriptive. The journal provides a forum for new ideas and alternative viewpoints.

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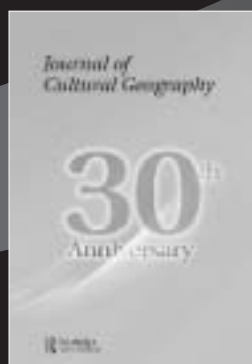
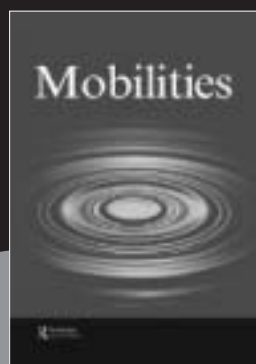
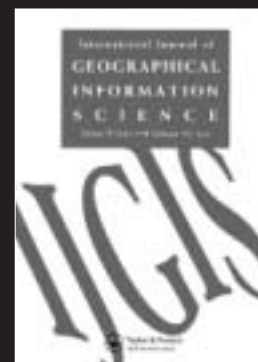
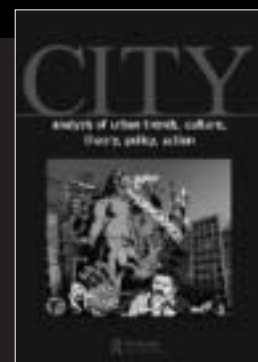
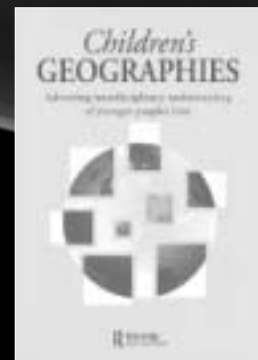
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SPECIALTY GROUP HIGHLIGHTED SESSIONS

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

2437 Beyond 2015: Sustainable Approaches to Maternal Health and HIV/AIDS Mitigation (Sponsored by Africa Specialty Group and Health and Medical Geography Specialty Group)

Thursday, April 15, 12:40 p.m. - 2:20 p.m.

Room: *Thurgood Marshall NORTH, Marriott, Mezzanine Level* (Paper Session)

Animal Geography Specialty Group

1272 Animal Geography in the Classroom (Sponsored by Animal Geography Specialty Group)

Wednesday, April 14, 10:00 a.m. - 11:40 a.m.

Room: *Senate, Omni Shoreham* (Panel Session)

Applied Geography Specialty Group

3411 The Applied Geography Specialty Group Student Paper Competition (Sponsored by Applied Geography Specialty Group)

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Room: *Nathan Hale, Marriott, Lobby Level* (Interactive Short Paper Session)

Asian Geography Specialty Group

3507 Plenary by David M. Lampton: Chinese power: what it means for America and the world? (Sponsored by Asian Geography Specialty Group, China Specialty Group, and Political Geography Specialty Group)

Friday, April 16, 2:40 p.m. - 4:20 p.m.

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

Business Geography Specialty Group

2550 The Distinguished Business Geography Scholar Award: Grant Thrall (Sponsored by Business Geography Specialty Group)

Thursday, April 15, 2:40 p.m. - 4:20 p.m.

Room: *Lincoln Room 6, Marriott, Exhibition Level* (Paper Session)

Cartography Specialty Group

2221 Geovisualization, Geovisual Analytics, Cognition, Behavior and Representation II: Dynamic and 3-D Displays (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, and Geography Education Specialty Group)

Thursday, April 15, 10:00 a.m. - 11:40 a.m.

Room: *Virginia Suite B, Marriott, Lobby Level* (Paper Session)

China Geography Specialty Group

3507 Plenary by David M. Lampton: Chinese power: what it means for America and the world? (Sponsored by Asian Geography Specialty Group, China Specialty Group, and Political Geography Specialty Group)

Friday April 16, 2:40 p.m. - 4:20 p.m.

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

Climate Specialty Group

2236 Specialty Group Plenary Speaker Thomas Karl: NOAA Climate Service and Global Climate Change Impacts in the United States (Sponsored by Climate Specialty Group)

Thursday, April 15, 10:00 a.m. - 11:40 a.m.

Room: *Thurgood Marshall EAST, Marriott, Mezzanine Level* (Paper Session)

Coastal & Marine Specialty Group

3514 Research activities at USGS related to coastal and marine geography (Sponsored by Coastal and Marine Specialty Group)

Friday, April 16, 2:40 p.m. - 4:20 p.m.

Room: *Park Tower 8210, Marriott, Lobby Level* (Panel Session)

Cultural Geography Specialty Group

3555 CGSG Marquee Session featuring Bret Wallach: "Just Look: A Paper Without A Subtitle" (Sponsored by Cultural Geography Specialty Group)

Friday, April 16, 2:40 p.m. - 4:20 p.m.

Room: *Washington Room 5, Marriott, Exhibition Level* (Panel Session)

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Cultural and Political Ecology Specialty Group

3664 CAPE / HDGC Keynote Lecture (Sponsored by Cultural and Political Ecology Specialty Group and Human Dimensions of Global Change Specialty Group)

Friday, April 16, 4:40 p.m. - 6:20 p.m.

Room: Diplomat, Omni Shoreham (Paper Session)

Cyber Infrastructure Specialty Group

1620 High Performance Computing for Geographic Sciences (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, and Geographic Information Science and Systems Specialty Group)

Wednesday, April 14, 4:40 p.m. - 6:20 p.m.

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

Disability Specialty Group

3432 Pushing the boundaries of disability geography (Sponsored by Disability Specialty Group)

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

Economic Geography Specialty Group

3656 Roepke Lecture in Economic Geography (Sponsored by Economic Geography Specialty Group)

Friday, April 16, 4:40 p.m. - 6:20 p.m.

Room: Blue Room, Omni Shoreham (Paper Session)

Environmental Perception and Behavioral Geography SG

2522 Cognitive Geography (Sponsored by Environmental Perception and Behavioral Geography Specialty Group Cartography Specialty Group)

Thursday, April 15, 2:40 p.m. - 4:20 p.m.

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

Ethics, Justice, and Human Rights Specialty Group

4647 An Economic Ethics for the Anthropocene (Sponsored by Ethics, Justice, and Human Rights Specialty Group and Economic Geography Specialty Group)

Saturday, April 17, 4:40 p.m. - 6:20 p.m.

Room: Lincoln Room 3, Marriott, Exhibition Level (Panel Session)

European Specialty Group

4554 Climate Change, Vulnerability and the Planning of Cities: No Challenges in Europe Stand in Isolation (Sponsored by European Specialty Group, Urban Geography Specialty Group, and Cultural and Political Ecology Specialty Group)

Saturday, April 17, 2:40 p.m. - 4:20 p.m.

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

Geography Education Specialty Group

4529 Best Practices in Applied Geography Education (Sponsored by Applied Geography Specialty Group, Geography Education Specialty Group, and Enhancing Departments and Graduate Education project [EDGE])

Saturday, April 17, 2:40 p.m. - 4:20 p.m.

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine (Paper Session)

Geographic Information Science and Systems Specialty Group

3671 Waldo Tobler Distinguished Lecture in GIScience (Sponsored by Geographic Information Science and Systems Specialty Group)

Friday, April 16, 4:40 p.m. - 6:20 p.m.

Room: Palladian, Omni Shoreham (Panel Session)

Geographic Perspectives on Women Specialty Group

4450 Gender, Sexuality, and Space: In Memory of Glen Elder (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group, and Graduate Student Affinity Group)

Saturday, April 17, 12:40 p.m. - 2:20 p.m.

Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)

Geomorphology Specialty Group

3653 Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society (Sponsored by Geomorphology Specialty Group)

Friday, April 16, 4:40 p.m. - 6:20 p.m.

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

SPECIALTY GROUP HIGHLIGHTED SESSIONS

Hazards Specialty Group

2534 The Gilbert F. White Award Symposium: Longitudinal Study: The Impact of a Comprehensive Emergency Management System on Disaster Response in The Commonwealth of The Bahamas (Sponsored by Hazards Specialty Group)

Thursday, April 15, 2:40 p.m. - 4:20 p.m.

Room: Taft, Marriott, Mezzanine Level (Panel Session)

Historical Geography Specialty Group

3210 2010 Distinguished Historical Geography Lecture (Sponsored by Historical Geography Specialty Group)

Friday, April 16, 10:00 a.m. - 11:40 a.m.

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

Human Dimensions of Global Change Specialty Group

3223 HDGC Plenary Panel Showcasing Human Dimensions Scholarship Part I: Rural Areas (Sponsored by Human Dimensions of Global Change Specialty Group)

Friday, April 16, 10:00 a.m. - 11:40 a.m.

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)

Latin America Specialty Group

2411 Research Ethics for Latin Americanist Geographers: Problems and Perspectives (Sponsored by Latin America Specialty Group, Cultural and Political Ecology Specialty Group, and Development Geographies Specialty Group)

Thursday, April 15, 12:40 p.m. - 2:20 p.m.

Room: Nathan Hale, Marriott, Lobby Level (Panel Session)

Paleoenvironmental Change Specialty Group

3405 Environmental History and Geoarchaeology I: Papers in Honor of Karl Butzer's 50 years in Academia (Sponsored by Paleoenvironmental Change Specialty Group, Cultural and Political Ecology Specialty Group, and Geomorphology Specialty Group)

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

Political Geography Specialty Group

2403 Political Geography Specialty Group Plenary Lecture (Sponsored by Elsevier Science and Political Geography Specialty Group)

Thursday, April 15, 12:40 p.m. - 2:20 p.m.

Room: Delaware Suite B, Marriott, Lobby Level (Panel Lecture)

Qualitative Research Specialty Group

2612 Qualitative Futures? A Celebration of the 10th Anniversary of the Qualitative Research Specialty Group (Sponsored by Qualitative Research Specialty Group)

Thursday, April 15, 4:40 p.m. - 6:20 p.m.

Room: Park Tower 8206, Marriott, Lobby Level (Panel Session)

Regional Development and Planning Specialty Group

2668 Malaria in South Asia: Calling Attention to the Forgotten (Sponsored by Asian Geography Specialty Group, Health and Medical Geography Specialty Group, and Regional Development and Planning Specialty Group)

Thursday, April 15, 4:40 p.m. - 6:20 p.m.

Room: Forum, Omni Shoreham (Panel Session)

Rural Geography Specialty

4148 Biodiversity, livelihoods, and conservation: Emerging Trends, Challenges, and Responses I (Sponsored by Cultural and Political Ecology Specialty Group, Development Geographies Specialty Group, and Rural Geography Specialty Group)

Saturday, April, 17, 8:00 a.m. - 9:40 a.m.

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

Spatial Analysis and Modeling Specialty Group

3637 Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception (Sponsored by Spatial Analysis and Modeling Specialty Group)

Friday, April 16, 4:40 p.m. - 6:20 p.m.

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Paper Session)

Transportation Geography Specialty Group

4636 Fleming lecture in transportation geography (Sponsored by Transportation Geography Specialty Group)

Saturday, April 17, 4:40 p.m. - 6:20 p.m.

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

Water Resources Specialty Group

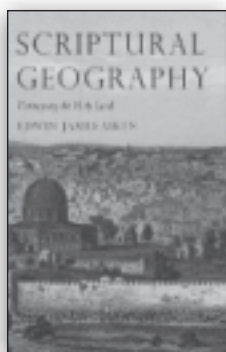
1525 Managing the quality of our waters in a changing world: Land-use and climate change issues - I (Sponsored by Water Resources Specialty Group)

Wednesday April 14, 2:40 p.m. - 4:20 p.m.

Room: Hoover, Marriott, Mezzanine Level (Paper Session)

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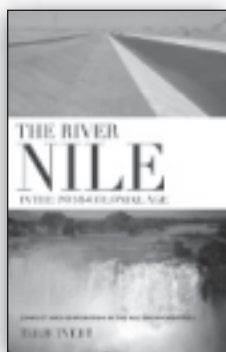


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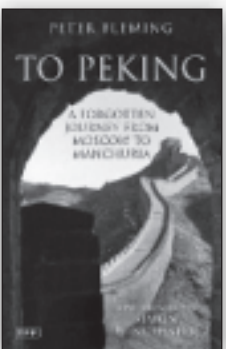


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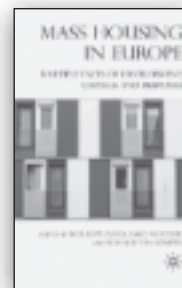
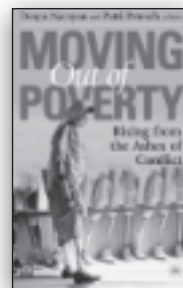


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WORLD GEOGRAPHY BOWL

Thursday April 15, 7:30 p.m.

The World Geography Bowl Committee would like to thank the AAG for sponsoring the 2010 competition through its contributions to the student travel fund, which assists regional divisions in sending student team members to the competition at Annual Meeting. The Committee would also like to thank National Geographic, Rand McNally, and the U.S. Census Bureau for their generous donations of prizes and awards.

Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:30 p.m. in Lincoln Room 6 and Washington Rooms 1, 2, 3, and 5, all located in the Marriott Wardman Park on the Exhibition Level. The Championship Round will begin at approximately 10:00 p.m.

Directors

Laurence W. Carstensen Jr., Virginia Tech
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Moderators

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Wes Reisser, George Washington University
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Joe Guttman, University of Tennessee

Scorekeepers

Patrick Abbott, Geographic Travels
Charlynn Byrd, University of Tennessee
Arlene Hill, University of Memphis
Lee Ann Nolan, Pennsylvania State University
Jim Young, Appalachian State University

Final Round Judge

Carol P. Harden, University of Tennessee

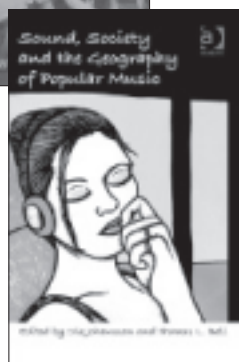
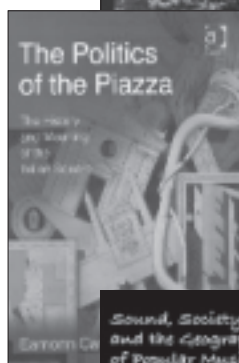
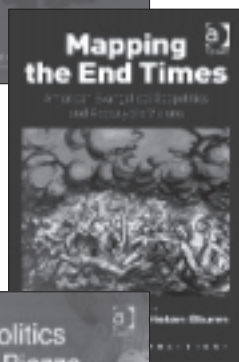
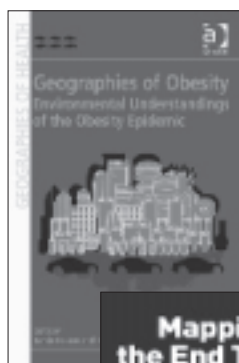
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JOBS IN GEOGRAPHY (JIG)

Jobs In Geography (JIG) Center

The Jobs in Geography (JIG) Center will be located in Exhibit Hall C of the Marriott Wardman Park Hotel. The JIG Center will feature numerous job postings in all fields of geography for students and job seekers and a large exhibit of available jobs with opportunities to meet with employers. Job seekers will be able to talk with successful geographers and learn about career paths, professions and their experiences. In addition, job seekers will have the option to submit a resume to the AAG Resume Bank beginning March 15, 2010 for review by participating employers. *The Jobs in Geography Center will be open:*

Thursday, April 15, 9:30 a.m. - 4:30 p.m.

Friday, April 16, 9:30 a.m. - 4:30 p.m.

Saturday, April 17, 9:30 a.m. - 4:30 p.m.

AAG Diversity Ambassadors

Volunteers share their experiences and give advice about college life, graduate school, job searches, networking, navigating the annual meeting, and more to graduate or undergraduate students. Faculty or employers who are looking to implement activities to achieve greater diversity in their programs and workforces, and who wish to converse about ideas and experiences are also welcomed. This informal venue seeks to provide an open forum to share recent success stories, engage in conversations regarding recruiting and retention strategies, understanding student and faculty mentoring needs, and other insights from the unique perspectives of the ambassadors. Volunteers will be available on Thursday, April 15, from 9:30 a.m. to 4:30 p.m. in the Jobs in Geography (JIG) area.

Co-sponsored by the Association of American Geographers' ALIGNED Project and the AAG Enhancing Diversity Committee.

Career and Professional Development Sessions at the AAG Annual Meeting

There are also many special sessions at the AAG Annual Meeting on careers in geography, professional development, and employment opportunities. These sessions are listed below and include session number, time and location.

WEDNESDAY, APRIL 14

1225 Community of Professional Graduate Programs in GIS&T (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group, and Enhancing Departments and Graduate Education project [EDGE])

Wednesday, April 14, 10:00 a.m. - 11:40 a.m.

Room: Hoover, Marriott, Mezzanine Level (Panel Session)

1505 Geography, Education and the Future

Wednesday, April 14, 2:40 p.m. - 4:20 p.m.

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

THURSDAY, APRIL 15

2446 Pursuing a Career in GIS: Becoming a Certified GIS Professional (GISP) (Sponsored by Association of American Geographers and Geographic Information Science and Systems Specialty Group)

Thursday, April 15, 12:40 p.m. - 2:20 p.m.

Room: Lincoln Room 2, Marriott, Exhibition Level (Panel Session)

The Geography of Geography: An Analysis of Academic Geography Employment Postings in the United States, 1990-2009

Part of the Paper Session: **2519 In These Tough Economic Times**

(ITTET): **Analyzing Recession Geography II** (Sponsored by Population Specialty Group and Spatial Analysis and Modeling Specialty Group)

Thursday, April 15, 2:40 p.m.

Room: Thomas Paine, Marriott, Lobby Level

FRIDAY, APRIL 16

3224 Geospatial Information Officers (GIOs): Champions of GIS (Sponsored by Applied Geography Specialty Group and Geographic Information Science and Systems Specialty Group)

Friday, April 16, 10:00 a.m. - 11:40 a.m.

Room: Harding, Marriott, Mezzanine Level (Panel Session)

3421 Climate Literacy 1 (Sponsored by Climate Specialty Group, Geography Education Specialty Group, and Environmental Perception and Behavioral Geography Specialty Group)

Friday, April 16, 12:40 p.m. - 2:20 p.m.

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

SATURDAY, APRIL 17

4250 Supporting Women in Geography, Part 2: Graduate and Professional Perspectives (Sponsored by Geographic Perspectives on Women Specialty Group)

Saturday, April 17, 10:00 a.m. - 11:40 a.m.

Room: Lincoln Room 6, Marriott, Exhibition Level (Panel Session)

REACH OUT

NATIONAL LANDSCAPE ARCHITECTURE MONTH 2010

Across the country, ASLA and its chapter will celebrate National Landscape Architecture Month in April by engaging the public in conversations and activities that highlight the profession as a career choice, demonstrate what landscape architects do, and communicate the environmental benefits of sustainable landscape design.

Be part of the celebration! Contact your local chapter and see how to get involved. Tap ASLA's National Landscape Architecture Month resources online at www.asla.org/lamonth to plan an activity. Commit your firm to reaching out in substantive ways to students, the public, and potential clients. And use www.asla.org/sustainablelandscapes to prove how your work benefits the environment, communities, and everyone's quality of life.

www.asla.org/lamonth



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SPECIAL EVENTS AND MEETINGS SUMMARY

(See page 34-36 for a listing of Specialty and Affinity Group Business Meetings)

AAG Annual Awards Luncheon

Sunday, April 18, 12:00 p.m. - 2:00 p.m.
(*Delaware Suite A/B, Marriott, Lobby Level*)

AAG Atlas Award Presentation to Jane Goodall

Friday, April 16, 6:30 p.m. - 8:00 p.m.
(*Marriott Ballroom and Balconies, Lobby and Mezzanine Levels*)

AAG Business Meeting

Sunday, April 18, 2:00 p.m. - 3:00 p.m.
(*Maryland Suite C, Marriott, Lobby Level*)

AAG Committee on Committees Meeting

Monday, April 12, 1:00 p.m. - 3:00 p.m.
(*Forum, Omni Shoreham*)

AAG Council Meeting

Monday, April 12, 3:00 p.m. - 7:00 p.m.
Tuesday, April 13, 8:00 a.m. - 6:00 p.m.
Wednesday, April 14, 8:00 a.m. - 12:00 p.m.
(*Palladian Ballroom, Omni Shoreham*)

AAG Department Chairs Luncheon

Saturday, April 17, 11:55 p.m. - 2:00 p.m.
(*Thurgood Marshall West, Marriott, Mezzanine Level*)

AAG Executive Committee Meeting

Monday, April 12, 12:00 p.m. - 1:00 p.m.
(*Palladian Ballroom, Omni Shoreham*)

AAG International Reception in the Exhibit Hall

Thursday, April 15, 7:30 p.m. - 9:00 p.m.
(*AAG Exhibit Hall: Exhibit Hall A, Marriott, Exhibition Level*)

AAG Jobs in Geography (JIG) Center

Thursday, April 15, 9:30 a.m. - 4:30 p.m.
Friday, April 16, 9:30 a.m. - 4:30 p.m.
Saturday, April 17, 9:30 a.m. - 4:30 p.m.
(*Exhibit Hall C, Marriott, Exhibition Level*)

AAG Opening Presidential Plenary:

America's Climate Choices

Wednesday, April 14, 6:30 p.m. - 8:00 p.m.
(*Marriott Ballroom Salons 1 and 2, Lobby Level*)

AAG Past President's Address by John Agnew:

Waterpower: Politics and Geography of Water Provision

Thursday, April 15, 6:30 p.m. - 7:45 p.m.
(*Marriott Ballroom Salon 2, Lobby Level*)

AAG Specialty and Affinity Group Chairs Meeting

Thursday, April 15, 11:50 a.m. - 12:30 p.m.
(*Coolidge, Marriott, Mezzanine Level*)

AAG Specialty and Affinity Group New Chair Technical Orientation Meeting

Saturday, April 17, 12:40 p.m. - 2:20 p.m.
(*Marriott Ballroom Salon 3, Lobby Level*)

American Geographical Society & Wiley-Blackwell Reception

Saturday, April 17, 2:00 p.m. - 3:00 p.m.
(*Booth #803, Exhibit Hall A, Marriott, Exhibition Level*)

Annals Editorial Board Meeting

Thursday, April 15, 10:00 a.m. - 11:40 a.m.
(*Marriott Ballroom Balcony D, Mezzanine Level*)

CaGIS Board Meeting

Saturday, April 17, 9:00 a.m. - 4:00 p.m.
(*Taft, Marriott, Mezzanine Level*)

CAPE/HDGC Keynote Reception

Friday, April 16, 6:00 p.m. - 8:00 p.m.
(*Diplomat Room, Omni Shoreham Hotel*)

CHANS - Progress and Prospects for Research on Coupled Human and Natural Systems

Friday, April 16, 8:00 a.m. - 5:00 p.m.
(*Lincoln Room 6, Marriott, Exhibition Level*)

Chinese Professionals in Geographic Information Sciences (CPGIS) Gathering

Friday, April 16, 6:30 p.m. - 8:00 p.m.
(*Lincoln Room 2, Marriott, Exhibition Level*)

Economic Geography Workshop

Monday, April 12, 8:00 a.m. - 5:00 p.m.
Tuesday, April 13, 8:00 a.m. - 5:00 p.m.
(*Hoover, Marriott, Mezzanine Level*)

Editorial Board of African Geographical Review Meeting

Friday, April 16, 8:30 a.m. - 9:40 a.m.
(*Committee Room, Omni Shoreham Hotel*)

Editorial Meeting, Historical Geography

Thursday, April 15, 11:50 a.m. - 12:30 p.m.
(*Delaware Suite A, Marriott, Lobby Level*)

The Gender, Place, and Culture Jan Monk Lecture Reception

Friday, April 16, 11:15 a.m. - 12:30 p.m.
(*Marriott Ballroom Balcony D, Mezzanine Level*)

Geopolitics Lecture Reception

Friday, April 16, 6:20 p.m. - 8:00 p.m.
(*Delaware Suite B, Marriott, Lobby Level*)

GIS-SG Reception

Friday, April 16, 7:00 p.m. - 9:00 p.m.
(*Palladian Ballroom, Omni Shoreham*)

Geographical Analysis Editorial Board Meeting

Thursday, April 15, 12:00 p.m. - 1:00 p.m.
(*Limestone Private Dining Room, Stone's Throw Restaurant, Marriott*)

Geopolitics Editorial Board Meeting

Friday, April 16, 7:30 a.m. - 9:30 a.m.
(*Buchanan, Marriott, Mezzanine Level*)

GTU Executive Committee Meeting

Saturday, April 17, 8:00 a.m. - 12:00 p.m.
(*Buchanan, Marriott, Mezzanine Level*)

Journal of Geography in Higher Education Editorial Board

Tuesday, April 13, 5:00 p.m. - 7:00 p.m.
(*Buchanan, Marriott, Mezzanine Level*)

SPECIAL EVENTS AND MEETINGS SUMMARY

(See page 34-36 for a listing of Specialty and Affinity Group Business Meetings)

Korean-American Group Meeting

Saturday, April 17, 5:00 p.m. – 7:00 p.m.
(Thurgood Marshall WEST, Marriott, Mezzanine Level)

Living & Imaging War in the Third Republic: Short Docs Tell the 2006 Summer War in Lebanon

(film screening and discussion)
Wednesday, April 14, 4:40 p.m. - 6:20 p.m.
(Lincoln Room 4, Marriott, Exhibition Level)

Michigan State University Reception

Thursday, April 15, 8:00 p.m. - 10:00 p.m.
(Hampton, Omni Shoreham)

Minnesota Reception

Wednesday, April 14, 8:30 p.m. - 11:30 p.m.
(Palladian Ballroom, Omni Shoreham)

NCGE Administrative Board Meeting

Friday, April 16, 1:00 p.m. - 6:00 p.m.
Saturday, April 17, 8:00 p.m. - 12:00 p.m.
(Capitol Boardroom, Marriott, Lobby Level)

Nebraska Night

Friday, April 16, 8:00 p.m. - 10:00 p.m.
(Empire Room, Omni Shoreham)

Ohio State University Geography Party

Thursday, April 15, 8:00 p.m. - 10:00 p.m.
(Thurgood Marshall South, Marriott, Mezzanine Level)

PG Editorial Board Meeting

Saturday, April 17, 10:00 a.m. - 11:40 a.m.
(Marriott Ballroom Balcony C, Mezzanine Level)

Physical Geography Reception

Thursday, April 15, 8:00 p.m. - 11:00 p.m.
(Blue Room, Omni Shoreham)

Plenary Session: The Geography and Map Division of the Library of Congress

Thursday, April 15, 8:00 p.m. - 9:30 p.m.
(Lincoln Room 3, Marriott, Exhibition Level)

Plenary Session featuring Thomas Mesenbourg, Deputy Director, U.S. Census Bureau

Wednesday, April 14, 11:50 a.m. - 12:30 p.m.
(Washington Room 1, Marriott, Exhibition Level)

Plenary Session: Mapping the Addicted Human Brain

Wednesday, April 14, 4:40 p.m. - 6:20 p.m.
(Coolidge, Marriott, Mezzanine Level)

Plenary Session: Regional Studies Association Annual Lecture: Paul Krugman

Friday, April 16, 12:40 p.m. - 2:20 p.m.
(Marriott Ballroom Salon 2 and 3, Lobby Level)

Regional Development and Planning, Health & Medical Geography, Asian Geography Specialty Groups and Springer Book Launch Reception: "Malaria in South Asia"

Friday, April 16, 6:30 p.m. - 8:00 p.m.
(Virginia Suite B, Marriott, Lobby Level)

Retired Geographers Organization Board Meeting

Saturday, April 17, 6:00 p.m. - 8:00 p.m.
(Marquee Lounge, Omni Shoreham)

Retired Geographers Organization Business Meeting

Saturday, April 17, 5:00 p.m. - 6:00 p.m.
(Blue Room, Omni Shoreham)

Rutgers University and Clark University Reception

Thursday, April 15, 7:30 p.m.
(Regional Food & Drink Washington, 810 7th St NW near the Verizon Center)

Semmiñ Ñaari Boor (Double Bladed Axe) – A film by Jesse Ribot and Pape Faye

(film screening and discussion)
Saturday, April 17, 4:40 p.m. - 6:20 p.m.
(Washington Room 1, Marriott, Exhibition Level)

Spatial Analysis & Modeling Geographical Analysis Reception

Friday, April 16, 6:20 p.m. - 8:00 p.m.
(Thurgood Marshall North)

SUNY Buffalo Reception

Friday, April 16, 7:00 p.m. - 10:00 p.m.
(Lincoln Room 5, Marriott, Exhibition Level)

University of Georgia Reception

Friday, April 16, 8:30 p.m. - 11:30 p.m.
(Hampton, Omni Shoreham)

University of Illinois, Geography Department Reception

Friday, April 16, 7:00 p.m. - 9:00 p.m.
(Blue Room, Omni Shoreham)

University of Maryland: MPS GIS Program

Thursday, April 15, 2:00 p.m. - 4:00 p.m.
(Buchanan, Marriott, Mezzanine Level)

University of Maryland, Department of Geography Reception

Friday, April 16, 7:30 p.m. - 10:00 p.m.
(Lincoln Room 6, Marriott, Exhibition Level)

U.S. Board on Geographic Names

Tuesday, April 13
Domestic Names Committee: 10:00 a.m. - 12:00 p.m.
Foreign Names Committee: 1:30 p.m. - 3:30 p.m.
(Nathan Hale, Marriott, Lobby Level)

Note: Meetings are open to the public. The BGN consists of volunteer members from ten U.S. Government departments and agencies.

U.S. National Section PAIGH Open Meeting (Pan American Institute of Geography and History)

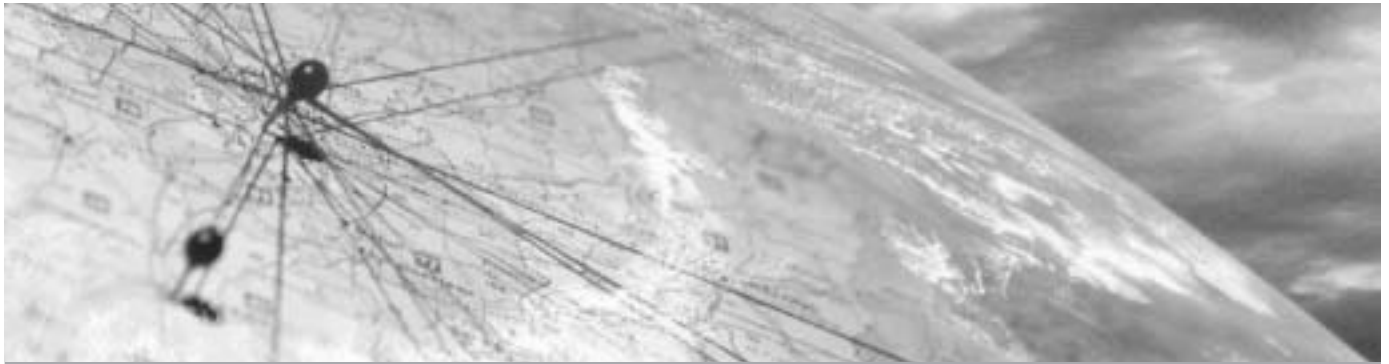
Friday, April 16, 10:30 a.m. - 11:30 a.m.
(Capitol Boardroom, Marriott, Lobby Level)

West Virginia University AAG Party

Thursday, April 15, 6:00 p.m. - 8:00 p.m.
(Rumba Café (www.rumbacafe.com), 2443 18th Street, NW Washington, DC 20009)

World Geography Bowl

Thursday, April 15, 7:30 p.m. - 10:30 p.m.
(Lincoln Room 6, Washington Rooms 1, 2, 3, & 5, Marriott, Exhibition Level)



The latest news in one location

DATA

Cartographic
Accuracy
Metadata
Remotely Sensed
Warehousing
Capture/Conversion
Legislation and Privacy Issues
Standards / Availability
Web & Wireless Content
Data Integration
Offshore Services

SOFTWARE

Surveying
Cartographic Production
Visualisation
WebMapping
Image Processing / Compression
Spatial Databases
Digital Photogrammetry
Cadastral/LIS
3-D Modelling
Geomarketing
Addressing and Geocoding

HARDWARE

Large Format Printers & Plotters
PC/Workstation Technology
Hand-Held Devices for Personal Nav.
Speech Recog. & Voice Output Tech.
Analogue & Digital Airborne Cameras
Laser Range Finders
GPS/GIS Data Capture
Photogrammetric Workstations
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Wireless Technology
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SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Africa Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Washington Room 1, Marriott, Exhibition Level)

Animal Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Park Tower 8216, Marriott, Lobby Level)

Applied Geography Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Harding, Marriott, Mezzanine Level)

Asian Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Marriott Ballroom Balcony A, Mezzanine Level)

Bible Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Forum, Omni Shoreham)

Biogeography Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Harding, Marriott, Mezzanine Level)

Business Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Virginia Suite C, Marriott, Lobby Level)

Canadian Studies Specialty Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.
(Lincoln Room 2, Marriott, Exhibition Level)

Cartography Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.
(Thurgood Marshall NORTH, Marriott, Mezzanine Level)

China Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Park Tower 8219, Marriott, Lobby Level)

Climate Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Virginia Suite B, Marriott, Lobby Level)

Coastal and Marine Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Maryland Suite A, Marriott, Lobby Level)

Communication Geography Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Hoover, Marriott, Mezzanine Level)

Community College Affinity Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.
(Lincoln Room 2, Marriott, Exhibition Level)

Cryosphere Specialty Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.
(Thurgood Marshall EAST, Marriott, Mezzanine Level)

Cultural and Political Ecology Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Lincoln Room 4, Marriott, Exhibition Level)

Cultural Geography Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.
(Washington Room 3, Marriott, Exhibition Level)

Cyberinfrastructure Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Wilson A, Marriott, Mezzanine Level)

Development Geography Specialty Group Business Meeting

Wednesday, April 14, 8:00 p.m. - 9:00 p.m.
(Coolidge, Marriott, Mezzanine Level)

Disability Specialty Group Business Meeting

Saturday, April 17, 11:50 a.m. - 12:30 p.m.
(Thurgood Marshall NORTH, Marriott, Mezzanine Level)

Economic Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Delaware Suite B, Marriott, Lobby Level)

Energy and Environment Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Wilson C, Marriott, Mezzanine Level)

Environmental Perception and Behavioral Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Wilson B, Marriott, Mezzanine Level)

Ethics, Justice, and Human Rights Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Marriott Ballroom Balcony A, Mezzanine Level)

Ethnic Geography Specialty Group Business Meeting

Saturday, April 17, 11:50 a.m. - 12:30 p.m.
(Hoover, Marriott, Mezzanine Level)

European Specialty Group Business Meeting

Wednesday, April 14, 8:00 p.m. - 9:00 p.m.
(Lincoln Room 6, Marriott, Exhibition Level)

SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Geographic Information Science and Systems Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Lincoln Room 4, Marriott, Exhibition Level)

Geographic Perspectives on Women Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(McKinley, Marriott, Mezzanine Level)

Geography Education Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Wilson B, Marriott, Mezzanine Level)

Geography of Religions and Belief Systems Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Delaware Suite A, Marriott, Lobby Level)

Geomorphology Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Hoover, Marriott, Mezzanine Level)

Graduate Student Affinity Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Marriott Ballroom Balcony B, Mezzanine Level)

Hazards Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Maryland Suite C, Marriott, Lobby Level)

Health and Medical Geography Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Wilson C, Marriott, Mezzanine Level)

Historical Geography Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Virginia Suite C, Marriott, Lobby Level)

History of Geography Specialty Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.
(Washington Room 3, Marriott, Exhibition Level)

Human Dimensions of Global Change Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Coolidge, Marriott, Mezzanine Level)

Indigenous Peoples Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Maryland Suite B, Marriott, Lobby Level)

Landscape Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Park Tower 8216, Marriott, Lobby Level)

Latin America Specialty Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Coolidge, Marriott, Mezzanine Level)

Middle East Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Park Tower 8219, Marriott, Lobby Level)

Military Geography Specialty Group Business Meeting

Saturday, April 17, 7:00 a.m. - 8:00 a.m.
(Lincoln Room 2, Marriott, Exhibition Level)

Mountain Geography Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.
(Lincoln Room 4, Marriott, Exhibition Level)

Paleoenvironmental Change Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.
(Thurgood Marshall SOUTH, Marriott, Mezzanine Level)

Political Geography Specialty Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.
(Virginia Suite B, Marriott, Lobby Level)

Population Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Wilson B, Marriott, Mezzanine Level)

Public/Private Affinity Group Business Meeting

Thursday, April 15, 8:00 p.m. - 9:00 p.m.
(Park Tower 8212, Marriott, Lobby Level)

Qualitative Research Specialty Group Business Meeting

Wednesday, April 14, 8:00 p.m. - 9:00 p.m.
(Virginia Suite B, Marriott, Lobby Level)

Recreation, Tourism, and Sport Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Nathan Hale, Marriott, Lobby Level)

Regional Development and Planning Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.
(Virginia Suite B, Marriott, Lobby Level)

Remote Sensing Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.
(Marriott Ballroom Balcony B, Mezzanine Level)

Retired Geographers Affinity Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.
(Marriott Ballroom Balcony B, Mezzanine Level)

SPECIALTY AND AFFINITY GROUP BUSINESS MEETINGS

Rural Geography Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.

(Marriott Ballroom Balcony A, Mezzanine Level)

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

Saturday, April 17, 6:30 p.m. - 7:30 p.m.

(Thurgood Marshall SOUTH, Marriott, Mezzanine Level)

Sexuality and Space Specialty Group Business Meeting

Friday, April 16, 11:50 a.m. - 12:30 p.m.

(Marriott Ballroom Balcony C, Mezzanine Level)

Socialist and Critical Geography Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.

(Virginia Suite C, Marriott, Lobby Level)

Study of the American South Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.

(Marriott Ballroom Balcony B, Mezzanine Level)

Urban Geography Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.

(Maryland Suite B, Marriott, Lobby Level)

Water Resources Specialty Group Business Meeting and 2010 WRSG Distinguished Career Award Ceremony

Friday, April 16, 8:00 p.m. - 9:00 p.m.

(Coolidge, Marriott, Mezzanine Level)

Wine Specialty Group Business Meeting

Friday, April 16, 8:00 p.m. - 9:00 p.m.

(Wilson A, Marriott, Mezzanine Level)

Spatial Analysis and Modeling Specialty Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.

(Lincoln Room 4, Marriott, Exhibition Level)

Stand-Alone Geographers Affinity Group Business Meeting

Saturday, April 17, 6:30 p.m. - 7:30 p.m.

(Virginia Suite A, Marriott, Lobby Level)

Transportation Geography Specialty Group Business Meeting

Saturday, April 17, 7:30 p.m. - 8:30 p.m.

(Virginia Suite B, Marriott, Lobby Level)

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SPECIAL DISPLAYS

Ottoman Map Exhibit: From Piri Reis to Katip Çelebi: The Ottoman Worldview

The maps will be on display from Thursday, April 15 at 6:40 p.m. through Sunday, April 18 in the AAG Exhibit Hall (*Exhibit Hall A, Marriott, Exhibition Level*)

This year's Exhibition Hall at the AAG Annual Meeting will feature a display of more than forty reproductions of 16th and 17th century maps and manuscripts by influential Ottoman Turkish cartographers from Piri Reis to Katip Çelebi. These documents have been touring the U.S. as part of the UNESCO Katip Çelebi Year and are being brought to the AAG Annual Meeting with the assistance of the Turkish Ministry of Culture and Tourism and of Bahçeşehir University, Istanbul.

Many consider the most important work of geography written in the 17th century to be *Displaying the World*, by Katip Çelebi (1609-1657). The volume consisted of two parts: the first dealing only with seas, rivers and islands; the second with continents, cities, and countries. Intended as a book of general geography, *Displaying the World* contained maps of the known world, including America, Africa, Asia, Europe, and other regions. Reproductions of these important maps will be on display in the AAG Exhibition Hall.

The exhibition also includes the world maps of Piri Reis. These are the most important Ottoman naval and cartographical works of the 16th century, presented by Reis to Suleiman the Lawgiver in 1526. Despite being prepared in the traditional style, these works are portolan maps based on personal experience, observation, and earlier maps from the East and West. Although they lack longitude and latitude lines they are significant for their precision and accuracy, and represent well the remarkable skill and creativity of the Ottoman cartographers.

The map exhibit will be officially opened on Tuesday, April 13 at 7:30 p.m. in Lincoln Room 5 of the Marriott Hotel with a reception and ribbon-cutting ceremony featuring introductory speeches by Dr. Enver Yücel, Chairman of the Board of Trustees of Bahçeşehir University, and Prof. Dr. Bekir Karlığa, Head of the Bahçeşehir University Civilization Studies Center, and the participation of several Turkish government representatives. The maps will then be on display in the exhibit hall starting Thursday, the 15th of April at 6:40 p.m.

Landscape Photography Exhibit

Date: Thursday, April 15 - Saturday, April 17

Location: *Atrium, Marriott, Exhibition Level*

The Cultural Geography Specialty Group invites all AAG members to participate in the Landscape Photography Exhibit at the 2010 AAG national conference. The Landscape Photography Exhibit features photographs taken by geographers while traveling and conducting fieldwork. As geographers, we constantly consider and analyze physical and cultural landscapes, and many of us capture unique or interesting features in the landscape on film or digital camera. This photograph display allows geographers to share such images and stories with conference attendees. Photographs will be on display in the Atrium of the Marriott Wardman Park Hotel all day during the Thursday, Friday, and Saturday of the conference (April 15-17).

USGS Exhibits Demonstrations

Date: Thursday, April 15 - Sunday, April 18

Location: *Booth #611 in the AAG Exhibit Hall
(Exhibit Hall A, Marriott, Exhibition Level)*

From Thursday, April 15 through Sunday, April 18 at USGS booth #611 (during exhibit hall hours) conference attendees can learn more about USGS capabilities in geographic research, applied geography, and geospatial data. USGS geographic applications that address challenging issues for modern society and the natural world will be featured. USGS geographers will be on hand to provide a range of information from innovative uses of data from earth observing satellites to modeling the geography of risk. USGS geographers will also be available to discuss advances in online access to geospatial data, including The National Map, and guide direct, hands-on geospatial and satellite data inquiries. Please visit us at our booth for more information.

**30% Conference Discount
Booth 914**

GEOGRAPHIES OF JUSTICE AND SOCIAL TRANSFORMATION

Edited by

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University of Georgia

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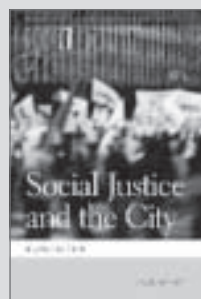
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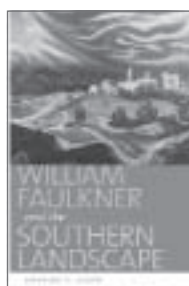
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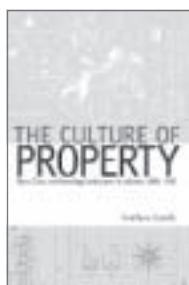
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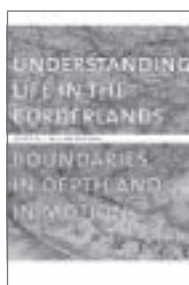
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WORKSHOPS

TUESDAY, APRIL 13

Earth System Monitoring Using the Earth Trends Modeler

Tuesday, April 13, 9:00 a.m. - 12:00 p.m.

Instructor/Organizer: Dr. J. Ronald Eastman, Clark Labs, Clark University

Workshop #1; Workshop Capacity: 30

Cost/person: \$31

Room: *Lincoln Room 3, Marriott, Exhibition Level*

This workshop explores earth system monitoring using the *Earth Trends Modeler* (ETM) software system. ETM provides a range of space/time analysis and modeling tools. Topics to be covered include Trend Analysis, Seasonal Trend Analysis, Principal Components/EOF Analysis, Fourier PCA, Wavelets, Empirical Orthogonal Teleconnections, Linear Modeling and Deseasoning/Denoising procedures. The workshop will be conducted as a live demonstration using a selection of environmental series such as Sea Surface Temperature and NDVI Vegetation Index data.

Teaching Practical Ethics

Tuesday, April 13, 1:00 p.m. - 5:00 p.m.

Instructor: David DiBiase, The Pennsylvania State University; Dawn Wright, Oregon State University; Francis Harvey, University of Minnesota

Organizer: Michael Solem, Association of American Geographers

Workshop #2; Workshop Capacity: 18

Cost/person: \$20

Room: *Lincoln Room 1, Marriott, Exhibition Level*

This half-day workshop will prepare current and aspiring faculty members in graduate Geography programs to help students develop stronger moral reasoning skills. The workshop will draw on the NSF-funded project "Graduate Ethics Education for Future Geospatial Professionals" (<http://gisprofessionalethics.org>) but will not be limited to GIS-specific issues. Participants will gain experience in applying a systematic approach to ethical decision-making. They will discuss cases arising from AAG's Statement of Professional Ethics and the ethics statements of participants' home institutions. Finally, participants will consider responses to University-wide mandates requiring formal ethics training for all graduate students.

Modeling REDD-Baselines Using IDRISI's Land Change Modeler

Tuesday, April 13, 1:00 p.m. - 4:00 p.m.

Instructors: Stefano Crema, Clark Labs, Clark University; Florencia Sangermano, Clark Labs, Clark University; Marc Steininger, Conservation International

Workshop #3; Workshop Capacity: 30

Cost/person: \$31

Room: *Lincoln Room 3, Marriott, Exhibition Level*

The implementation of REDD projects requires a best estimate of the deforestation and/or degradation baseline. The baseline is derived from the spatial modeling of the expected future trends of deforestation using maps of historical deforestation and biomass estimates.

Land Change Modeler (LCM) is a robust modeling tool that allows calibration, validation and the creation of maps of expected future deforestation trends. Clark Labs, in conjunction with Conservation International, has designed a REDD tool within LCM which guides the user through the steps of baseline development and directly produce tables and graphics necessary in the reporting process.

This workshop will cover the complexity of REDD baseline creation using real case studies to illustrate the process.

WEDNESDAY, APRIL 14

Advanced Analysis with GIS

Wednesday, April 14, 9:00 a.m. - 12:00 p.m.

Instructor: Angela Lee, ESRI

Organizer: Geri Pepe, ESRI; Joseph Kerski, ESRI

Workshop #4; Workshop Capacity: 15

Cost/person: \$120

Room: *Park Tower 8218, Marriott, Lobby Level*

This workshop introduces modeling techniques that are used for advanced spatial analysis with ArcGIS. The workshop will enable the user to perform a variety of GIS analysis tasks where attendees will learn how to build advanced geoprocessing models using ModelBuilder. Emphasis will be placed on the Analysis Tools toolbox in ArcGIS utilizing the extract, overlay and proximity toolsets. In addition, the workshop will teach the Spatial Statistics tools that are available with ArcGIS to measure distributions of geographic phenomena, map clusters of these phenomena and analyze the patterns of their occurrence. Intermediate knowledge of GIS is required.

WORKSHOPS

EDGE Workshop: Ethical Research in Practice

Wednesday, April 14, 10:00 a.m. - 12:00 p.m.

Instructor: Iain Hay, School of Geography, Population and Environmental Management, Flinders University

Organizer: Michael Solem, Association of American Geographers

Workshop #5; Workshop Capacity: 20

Cost/person: \$23

Room: Lincoln Room 1, Marriott, Exhibition Level

Sadly, it can be more difficult to conduct ourselves ethically in our research than we might like because we do not: have the philosophical training to negotiate sometimes difficult ethical terrain; recognize ethical challenges when they appear; have the time to make the best decisions; or because we have not anticipated problems that may arise in our work. In this workshop we take some steps to help address these ethical issues.

This workshop is sponsored by the AAG's Enhancing Departments and Graduate Education (EDGE) in Geography project and is based on the EDGE book *Aspiring Academics*. Participants will receive a copy of the book.

Geography in the Americas: Publishing Across National, Institutional, and Linguistic Borders / Geografía en las Américas: publicando más allá de las fronteras nacionales, institucionales y lingüísticas

Wednesday, April 14, 12:30 p.m. - 4:30 p.m.

Organizer/Instructor: Patricia Solis, Association of American Geographers; Osvaldo Muniz, Texas State University, San Marcos

Workshop #6; Workshop Capacity: 30

Cost/person: \$15 (includes beverages)

Room: Cleveland 2, Marriott, Mezzanine Level

Studies reveal a relatively rich landscape of international research collaboration among Geographers of the Americas, however, joint authorship in scholarly publications is quite low. Co-written journal articles turns out to be a very poor measure of collaboration by a full degree of magnitude less than other indicators. These data point to the need for encouraging greater co-authorship of research that is being conducted in collaborative ways. This workshop thus seeks to support Latin American and collaborating scholars in understanding how to publish their collaborative research in academic journals, and explores best practices for joint publication across borders.

Los estudios revelan un paisaje relativamente rico en la colaboración internacional entre Geógrafos de las Américas, sin embargo, la autoría conjunta en publicaciones académicas es bastante reducida. Artículos coescritos en revistas científicas resultan ser una pobre medida de colaboración comparada con otros indicadores. Este taller por lo tanto busca dar asistencia a académicos Latinoamericanos y en colaboración para entender como publicar sus investigaciones trabajadas en conjunto en revistas académicas, y explorar mejores prácticas para

publicaciones conjuntas por sobre las fronteras. Este taller es copatrocinado por la AAG, con relación a sus programas, Geografía en las Américas y Mejorando los Departamentos para la Educación de Postgrado (EDGE), con financiamiento de la *National Science Foundation* de los Estados Unidos.

Teaching with Data: Quantitative Data Resources for Social Science Instruction

Wednesday, April 14, 1:00 p.m. - 4:00 p.m.

Instructors: Susan Gallagher, Association of American Geographers; Don Janelle, UC Santa Barbara; Lynette Hoelter, University of Michigan

Workshop #7; Workshop Capacity: 30

Cost/person: free

Room: Cleveland 1, Marriott, Mezzanine Level

The workshop will introduce geography faculty to the TeachingWithData.org resource for locating and sharing quantitative data, lesson plans, and instructional resources. The TeachingWithData.org web site organizes and shares a wide-range of instructional resources. Links to raw data sources as well as lesson plans, teaching materials, and visualization tools are included in this online resource for instructors. Learn how to use and also contribute materials to the TeachingWithData.org web site.

Modeling Trade Areas for Business Optimization

Wednesday, April 14, 1:30 p.m. - 4:30 p.m.

Instructor: Angela Lee, ESRI

Organizer: Geri Pepe, ESRI; Jim Herries, ESRI

Workshop #8; Workshop Capacity: 15

Cost/person: \$120

Room: Park Tower 8218, Marriott, Lobby Level

This workshop will give a broad overview of how GIS concepts are being applied in everyday business problem solving. We will introduce core concepts around site selection, market analysis, customer analysis, supply chain and risk assessment and address other broad application areas within business. We will then take a look at modeling of Trade Areas for Business Optimization. This workshop will introduce the full trade area capabilities of Business Analyst, and discuss the benefits of models such as the Huff Model and Location/Allocation to these processes. A hands-on review of Business Analyst Online will demonstrate the modern tools that can be used to make better business location decisions.

WORKSHOPS

WEDNESDAY, APRIL 14 (continued)

Wine Tasting of South American Wines

Wednesday, April 14, 3:00 p.m. - 5:00 p.m.

Organizer/Instructor: Percy Dougherty, Kutztown University Emeritus

Workshop #9; Workshop Capacity: 30

Cost/person: \$42

Room: Lincoln Room 1, Marriott, Exhibition Level

Chile, Argentina and Uruguay are popular new areas for the production of fine wines. Malbecs from Mendoza, Carmenere from Chile, and Tannat from Uruguay are great values and are often better than the wines produced in their homelands in France. In addition, Torrontes, Sauvignon Blanc, Cabernet Sauvignon, Merlot and even bubbly wines emulating Champagne are well represented in South America. Join us as we sample wines from each of the previous grapes and investigate the terroir and determine how different areas are suitable for the production of specific types of grapes and wine.

THURSDAY, APRIL 15

Writing Proposals for NSF Geography and Spatial Sciences

Thursday, April 15, 8:00 a.m. - 9:40 a.m.

Organizer: Scott M. Freundsuh, National Science Foundation

Instructors: Thomas J. Baerwald, National Science Foundation; Ezekiel Kalipeni, National Science Foundation

Workshop #10; Workshop Capacity: 25

Cost/person: free

Room: Cleveland 1, Marriott, Mezzanine Level

This is a one-hour workshop intended for faculty members and professional geographers (not graduate students) who engage in research in geography and who wish to learn how to prepare proposals for a regular research grant. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

This workshop is also offered Friday, April 16, at 3:00 p.m.

How to Establish and Sustain an Undergraduate Research Program

Thursday, April 15, 8:00 a.m. - 12:00 p.m.

Organizer/Instructors: Laura Guertin, Penn State Brandywine; Deanna van Dijk, Calvin College; Dale Splinter, University of Wisconsin, Whitewater; Julio Rivera, Cathage College

Workshop #11; Workshop Capacity: 20

Cost/person: \$10 (includes pastries and beverages)

Room: Lincoln Room 1, Marriott, Exhibition Level

This workshop is focused on developing a successful research program involving undergraduate participants and on inquiry-based courses and teaching practices that are effective in preparing students to pursue research. The course is designed to serve the needs of early-career faculty and others considering academic careers. The workshop facilitators are all current officers in the Council on Undergraduate Research (CUR) who have extensive experience in working successfully with undergraduate students in their research enterprises.

Introduction to ArcGIS Server

Thursday, April 15, 9:00 a.m. - 12:00 p.m.

Organizer: Angela Lee, ESRI

Instructors: Toni Fisher, ESRI; Geri Pepe, ESRI

Workshop #12; Workshop Capacity: 15

Cost/person: \$120

Room: Park Tower 8218, Marriott, Lobby Level

ArcGIS Server provides a conduit for GIS data and functionality to be disseminated to others in a cost effective, efficient manner. This workshop will establish the foundation for a conceptual understanding of what ArcGIS Server is and what it can do for you. Having become familiar with key terminology and architectural elements, attendees will proceed to work with the software to author, publish and use web services and applications. Educators who want to use ArcGIS Server to teach their courses, as well as being able to provide students with a visual and analytic tool to explore their course data, will benefit from exploring this platform.

Prerequisite - basic knowledge of ArcGIS Desktop (ArcMap and ArcCatalog)

WORKSHOPS

Writing Doctoral Dissertation Proposals for NSF Geography and Regional Science

Thursday, April 15, 10:00 a.m. - 11:40 a.m.

Organizer: Scott M. Freundsuh, National Science Foundation

Instructors: Thomas J. Baerwald, National Science Foundation; Ezekiel Kalipeni, National Science Foundation

Workshop #13; Workshop Capacity: 25

Cost/person: free

Room: *Cleveland I, Marriott, Mezzanine Level*

This is a one-hour workshop intended for geography graduate students at the doctoral level who wish to learn how to prepare proposals for a Doctoral Dissertation Research Improvement (DDRI) grant. These grants may be written to request up to \$12,000 and are meant to assist doctoral candidates with their research needs. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

CGGE Workshop 1: National Identity + Population and Natural Resources Modules

Thursday, April 15, 12:40 p.m. - 2:20 p.m.

Instructors: Phil Klein, University of Northern Colorado;

Michael Solem, Association of American Geographers

Workshop #14; Workshop Capacity: 25

Cost/person: \$10

Room: *Maryland Suite A, Marriott, Lobby Level*

The AAG Center for Global Geography Education (CGGE) is a set of online modules that promote global learning about contemporary global issues. The goal is to internationalize the teaching of geography by linking undergraduates in different regions or countries in collaborative learning projects. This workshop presents two modules: *National Identity* and *Population & Natural Resources*. The *National Identity* module presents geographic perspectives on the concepts of nation and national identity and how these concepts are socially constructed. The *Population and Natural Resources* module presents contrasting models on the relationship between population growth and sustainable use of natural resources. **Participants must bring a laptop computer with WiFi connectivity.**

Advanced Topics in ArcGIS Server

Thursday, April 15, 1:30 p.m. - 4:30 p.m.

Organizer: Angela Lee, ESRI

Instructors: Toni Fisher, ESRI; Geri Pepe, ESRI

Workshop #15; Workshop Capacity: 15

Cost/person: \$120

Room: *Park Tower 8218, Marriott, Lobby Level*

We know how to create basic services for our users, but how should they best be assembled? What choices should be considered in their compilation so as to make best possible

use of the resources? This workshop will focus on an in depth exploration of kinds of services and best practices surrounding their creation. ArcGIS Server provides a powerful, efficient approach to sharing data and maps. Educators will increase their skills so as to provide the best possible vehicle for their data and enhance the success of their students.

Prerequisite - basic knowledge of and/or experience using ArcGIS Server

CGGE Workshop 2: Water Resources + Global Climate Change Modules

Thursday, April 15, 2:40 p.m. - 4:20 p.m.

Instructors: Waverly Ray, Texas State University, San Marcos;

Michael Solem, Association of American Geographers

Workshop #16; Workshop Capacity: 25

Cost/person: \$10

Room: *Maryland Suite A, Marriott, Lobby Level*

The AAG Center for Global Geography Education (CGGE) is a set of online modules that promote global learning about contemporary global issues. The goal is to internationalize the teaching of geography by linking undergraduates in different regions or countries in collaborative learning projects. This workshop presents two modules: *Water Resources* and *Global Climate Change*. The *Water Resources* module analyzes water resource management issues in the US, UK, and Middle East. The *Global Climate Change* module examines the anticipated environmental and economic impacts of global warming using case studies from the US, Singapore, and Australia. **Participants must bring a laptop computer with WiFi connectivity.**

CGGE Workshop 3: Migration + Global Economy Modules

Thursday, April 15, 4:40 p.m. - 6:20 p.m.

Instructors: Osvaldo Muniz, Texas State University, San Marcos;

Michael Solem, Association of American Geographers

Workshop #17; Workshop Capacity: 25

Cost/person: \$10

Room: *Maryland Suite A, Marriott, Lobby Level*

The AAG Center for Global Geography Education (CGGE) is a set of online modules that promote global learning about contemporary global issues. The goal is to internationalize the teaching of geography by linking undergraduates in different regions or countries in collaborative learning projects. This workshop presents two modules: *Migration* and *Global Economy*. The *Migration* module analyzes the social and economic dimensions of international and internal migration through case studies from Chile, Europe, and the US. The *Global Economy* module examines transnational economic integration and global value chains with case studies from New Zealand, Chile, and Peru. **Participants must bring a laptop computer with WiFi connectivity.**

WORKSHOPS

THURSDAY, APRIL 15 (continued)

Simple Tools for Lake and Watershed Assessment

Thursday, April 15, 8:00 a.m. - 5:00 p.m.

Organizer: Kamal Alsharif, PhD, University of South Florida
Instructors: Dr. Dave Soballe, US Army Engineer Research and Development Center Environmental Laboratory
Workshop #18; Workshop Capacity: 30
Cost/person: \$15

Room: Cleveland 2, Marriott, Mezzanine Level

This course continues to be updated. It is a full-day, problem-oriented, introduction to a suite of simpler tools from the Army Corps of Engineers that are used to assess lake and reservoir water quality in a watershed context. We use the remodeled FLUX32 mass transport software as a basis for discussing watershed delivery, stream transport, and load estimation. FLUX32 is a Windows® application with a user friendly interface and continuing enhancements. Both new and experienced FLUX users will want this new version. From FLUX and mass transport, we move to a discussion of in-lake trophic response using the Windows version of the Bathtub model. Finally, we will use the new software package called TASTR (Trophic Assessment Screening Tool for Reservoirs), to illustrate an integrated watershed-reservoir assessment. TASTR uses the Bathtub model, simple watershed models and a self-contained GIS capability to put the reservoir (or lake) water quality into a watershed context. TASTR lets the user quickly (but with low resolution) and easily explore a lake's potential trophic response to changing conditions or operations. TASTR's capabilities also let it serve as a convenient "front end" for Bathtub modeling and as a license-free, stand-alone, GIS tool for performing basic geospatial tasks.

A CD will be distributed that includes all course notes and copies of the software. **Participants should bring a laptop to the workshop.** Software will be provided to registrants prior to the conference (via FTP, or CD) and MUST be installed and tested by the participant prior to the workshop (simple instructions included).

The instructor (Dave Soballe, Ph.D.) is a senior researcher with the U.S. Army Engineer Research and Development Center (ERDC) Environmental Laboratory in Vicksburg, MS. Dave has taught versions of this course at NALMS for the last four years and has over 25 years of experience with reservoir and watershed processes and assessments.

This workshop is sponsored by the Water Resources Specialty Group.

Polar Research Opportunities in the Wake of the IPY

Thursday, April 15, 10:00 a.m. - 12:00 p.m.

Organizer/Instructor: Jason Davis, The Ohio State University
Workshop #19; Workshop Capacity: 20

Cost/person: \$22

Room: Park Tower 8211, Marriott, Lobby Level

As the International Polar Year draws to a close, there has been a surge in polar research interest, as evidenced by the cryosphere specialty group sessions and the triple "Critical geopolitics of the polar regions" sessions at this AAG. This workshop aims to bring together experienced researchers into a panel to discuss current "hot topics" in the colder regions, opportunities for early career researchers (particularly graduate students), and how to integrate the physical and human geographies involved in these regions.

FRIDAY, APRIL 16

EDGE Workshop: Preparing Future Faculty in Geography

Friday, April 16, 10:00 a.m. - 12:00 p.m.

Organizer/Instructor: Michael Solem, Association of American Geographers

Workshop #21; Workshop Capacity: 20

Cost/person: \$23

Room: Park Tower 8211, Marriott, Lobby Level

Time management, collegiality, professional ethics, academic publishing, course design, interdisciplinary collaboration, career planning, and teaching diverse student are among the topics that, although central to academic careers, are rarely discussed systematically in doctoral programs.

This workshop will demonstrate some of the ways these and other topics can be introduced to aspiring academics in the early stages of their professional development. Participants will review a AAG faculty development website that can be used with graduate students and faculty in a variety of settings: courses, seminars, workshops, brown-bags, colloquia, as well as independently. The website supports two books, *Aspiring Academics* and *Teaching College Geography*, produced for the AAG's Enhancing Departments and Graduate Education in Geography (EDGE) project with support from the National Science Foundation. Participants will receive copies of both books.

WORKSHOPS

Fulbright Scholar Awards: A World of Opportunities for Faculty and Professionals in Geography

Friday, April 16, 10:00 a.m. - 12:00 p.m.

Organizer/Instructor: Fausto Sarmiento, University of Georgia

Workshop #22; Workshop Capacity: 30

Cost/person: free

Room: Lincoln Room 1, Marriott, Exhibition Level

Dr. Fausto Sarmiento, Associate Professor of Geography at the University of Georgia, will discuss the professional and personal outcomes of his experience as a Fulbright International Education Administrator Scholar in Japan. He will be accompanied by a representative of the Council for International Exchange of Scholars, the administering agency of the Fulbright Scholar Program.

The session's focus will be an interactive discussion of the resources available to prospective applicants, including online webinars and social media networks. The format will include time for a discussion of the variety of Fulbright Scholar grants available and tips for successful applications.

Integrating Imagery to GIS

Friday, April 16, 10:00 a.m. - 12:00 p.m.

Organizer: Jan Rabern, ITT Visual Information Solutions

Instructor: Amanda O'Conner, ITT Visual Information Solutions

Workshop #23; Workshop Capacity: 25

Cost/person: \$23

Room: Cleveland 2, Marriott, Mezzanine Level

Today's GIS professionals can benefit from adding imagery into GIS workflows to take advantage of the additional, important information it can provide. This session will provide an overview of how imagery can be used for GIS applications including local planning, forestry, agriculture, mining, oil & gas, and defense and intelligence and an introduction to the ENVI Product Family. This session will be a combination of presentations and demonstrations.

You will:

- Learn about the popular applications for imagery including classifying land cover, detecting change over time, and extracting features of interest.
- Learn how ENVI EX's automated workflows and wizards allow you to get accurate results without needing an image science background.
- See how easily ENVI EX integrates into ArcGIS, allowing you to seamlessly work with both applications at once.
- Learn about the rich set of image processing tools and extensibility options in ENVI.
- Learn how imagery can provide additional, important information for GIS applications including land use planning, forestry management, natural resource assessment, exploration and more.

EDGE Workshop: Understanding and Improving Departmental Climate

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Instructors: Janice Monk, University of Arizona; Beth

Schlemper, University of Toledo; Michael Solem, Association of American Geographers

Workshop #24; Workshop Capacity: 20

Cost/person: \$18

Room: Park Tower 8211, Marriott, Lobby Level

This workshop draws on research findings by the AAG's Enhancing Departments and Graduate Education in Geography (EDGE) project with regard to how graduate students perceive issues related to departmental climate, such as intellectual qualities of the curriculum; social relationships among students and faculty; openness to diversity; mentoring and advising relationships; and experiences with the overall working environment. When viewed in aggregate, geography graduate students have mostly favorable impressions of their graduate programs. However, there are significant differences in students' perceptions of departmental climate when they are compared on the basis of gender, race, program type, and other variables.

In this workshop, participants will review a sample of EDGE research findings and consider ideas for taking actions that might enhance practices, solve problems, or otherwise result in improvements and change at the departmental level. Participants will also discuss what further actions and research the EDGE project might undertake that would result in data and materials that would be helpful for graduate programs.

This workshop is particularly suited for department chairs and graduate program coordinators, but anyone with an interest in departmental climate issues is encouraged to attend. Participants will receive copies of EDGE-related publications.

Writing CAREER Proposals for NSF Geography and Regional Science

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Organizer: Scott M. Freundschuh, National Science Foundation

Instructors: Thomas J. Baerwald, Ezekiel Kalipeni; National Science Foundation

Workshop #25; Workshop Capacity: 30

Cost/person: free

Room: Lincoln Room 1, Marriott, Exhibition Level

This is a one-hour workshop intended for geography faculty members at the Assistant Professor rank who are in tenure-track positions and who are interested in submitting a proposal for a CAREER grant. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process and the rules associated with this particular grant type. Presentations will be followed by a question and answer opportunity.

WORKSHOPS

FRIDAY, APRIL 16 (continued)

Wine Tasting of Virginia Wines

Friday, April 16, 1:00 p.m. - 3:00 p.m.

Organizers/Instructors: Denyse Lemaire, Rowan University;
Greg Jones, Southern Oregon University

Workshop #26; Workshop Capacity: 30

Cost/person: \$40

Room: Cleveland 2, Marriott, Mezzanine Level

There are 156 wineries located in 9 regions and 6 American Viticulture Areas in Virginia. In the four centuries since Virginians first began producing wine, the quality of their product has been increasing so steadily that Virginia wine has now gained national and international recognition. Come to our wine tasting workshop and discover the hidden (wine) jewels of the Commonwealth of Virginia.

Wine Tasting of Bordeaux Wines vs. New World Style Wines

Friday, April 16, 3:00 p.m. - 5:00 p.m.

Organizers/Instructors: Denyse Lemaire, Rowan University;
Greg Jones, Southern Oregon University

Workshop #27; Workshop Capacity: 30

Cost/person: \$40

Room: Cleveland 2, Marriott, Mezzanine Level

France's complicated classification system of wines is based on a detailed evaluation of the "terroir" of wine regions. Bordeaux is subdivided into 6 large regions which are subdivided into 57 sub-regions. The workshop will allow you to test the validity of this notion of terroirs by tasting some of the most famous wines of the region (Saint-Emilion, Saint-Estèphe and Saint-Julien in Médoc, Sauterne, Côte de Blaye, and others) and comparing them to their North American counterparts.

EDGE Workshop: Strengthening Career Planning and Advising

Friday, April 16, 2:40 p.m. - 4:20 p.m.

Instructors: Janice Monk, University of Arizona; Beth Schlemper, University of Toledo, Michael Solem, Association of American Geographers

Workshop #28; Workshop Capacity: 20

Cost/person: \$18

Room: Park Tower 8211, Marriott, Lobby Level

This workshop draws on research findings by the AAG's Enhancing Departments and Graduate Education in Geography (EDGE) project related to the job prospects and career preparation of graduate students. Although many graduate students still aspire toward careers in higher education, there is considerable and growing interest in careers in business, government, and non-profit organizations by both masters and doctoral students. However, students' career aspirations do not always overlap with the current orientation of graduate curricula, nor do they often mesh with the professional interests of their advisors.

In this workshop, participants will review a sample of EDGE research findings and consider ideas for taking actions that might enhance practices, solve problems, or otherwise result in improvements and change at the departmental level.

Participants will also discuss what further actions and research the EDGE project might undertake that would result in data and materials that would be helpful for graduate programs.

This workshop is particularly suited for faculty advisors in masters and doctoral programs, but anyone with an interest in student advising and careers is encouraged to attend. Participants will receive copies of EDGE-related publications.

Writing Proposals for NSF Geography and Spatial Sciences

Friday, April 16, 2:40 p.m. - 4:20 p.m.

Organizer: Scott M. Freundschuh, National Science Foundation

Instructors: Thomas J. Baerwald, National Science Foundation;
Ezekiel Kalipeni, National Science Foundation

Workshop #29; Workshop Capacity: 30

Cost/person: free

Room: Lincoln Room 1, Marriott, Exhibition Level

This is a one-hour workshop intended for faculty members and professional geographers (not graduate students) who engage in research in geography and who wish to learn how to prepare proposals for a regular research grant. Program officers from the Geography and Spatial Sciences Program at the National Science Foundation will highlight ways to improve the quality and competitiveness of a proposal. They will also discuss the review process, including intellectual merit and broader impacts, plus additional funding possibilities at NSF. Presentations will be followed by a question and answer opportunity.

This workshop is also offered Thursday, April 15, at 8:00 a.m.

SATURDAY, APRIL 17

Hands on GPS Mapping with Latest GPS Receivers, Laser Range Finders and GPS Camera

Saturday, April 17, 8:30 a.m. - 11:30 a.m.

Organizer/Instructor: Ashok Wadwani, Applied Field Data Systems, Inc.

Workshop #30; Workshop Capacity: 20

Cost/person: \$23

Room: Cleveland 1, Marriott, Mezzanine Level

Have you always wanted to start using a Global Positioning System (GPS) in your GIS projects but felt you needed some fundamentals and hands-on experience with the latest tools? Now is your chance! Join us as we explain the theory, history, development, and current trends surrounding GPS technology. You will have the opportunity to collect coordinates and features/attributes, take photographs with GPS coordinates, use laser range finders, and discuss different methods of integrating field data within GIS.

WORKSHOPS

Land Change Modeling Methods: Calibration, Validation, and Extrapolation

Saturday, April 17, 9:00 a.m. - 4:00 p.m.

Organizer/Instructor: Robert Gilmore Pontius Jr., Clark University

Workshop #31; Workshop Capacity: 30

Cost/person: \$40

Room: Cleveland 2, Marriott, Mezzanine Level

This course provides hands-on training in GIS-based land change modeling. Participants learn how models work and how to quantify a model's ability to forecast land change. The workshop uses the modules *Geomod*, *Validate*, and *ROC* in the GIS software *Idrisi*. Prior experience with GIS is helpful, while prior experience with *Idrisi* is not necessary. Each participant must bring a laptop computer in order to participate in the exercises for which software will be supplied for free for the duration of the workshop. Participants who complete the course are entitled to a 50 percent discount on purchase of an *Idrisi* license.

Robert Gilmore Pontius Jr is Associate Professor in the School of Geography at Clark University. His research compares land change models and quantifies their predictive abilities. He created the land-use change model *Geomod* and several new statistical techniques to compare maps at multiple resolutions. He is active in the National Science Foundation's Long Term Ecological Research (LTER) and Human Environment Regional Observatory (HERO) programs. Gil holds a Master of Applied Statistics from The Ohio State University and a doctorate from the State University of New York's College of Environmental Science and Forestry. He has been creating, researching, and evaluating land change models for two decades. To see the products of his activity, please visit his web site at www.clarku.edu/~rpontius.

Census Data and TIGER/Line Shapefiles: Putting it All Together

Saturday, April 17, 10:00 a.m. - 12:00 p.m.

Organizer/Instructor: Jennifer Holland, US Census Bureau; Sara Mishler, US Census Bureau

Workshop #32; Workshop Capacity: 30

Cost/person: \$18

Room: Lincoln Room 1, Marriott, Exhibition Level

Learn the tips & tricks for downloading data and shapefiles from the US Census Bureau. Find out how to navigate through the wealth of data available from the American Community Survey, Decennial Census, and numerous other surveys and censuses on the Census Bureau's American FactFinder website. Learn about the various options for accessing and downloading the TIGER/Line Shapefiles. We will walk through examples demonstrating how all of the pieces of the puzzle fit together quickly and easily. Spend less time putting it all together and more time analyzing the results.

EDGE Workshop: Academic Publishing

Saturday, April 17, 1:00 p.m. - 3:00 p.m.

Instructor: Stan Brunn, University of Kentucky

Organizer: Michael Solem, Association of American Geographers

Workshop #33; Workshop Capacity: 25

Cost/person: \$5

Room: Cleveland 1, Marriott, Mezzanine Level

Aspiring professionals in the academy as well as those entering the public and private sectors are usually expected to be able to initiate or collaborate with others on research projects that advance a field or subfield. While a good first step in reporting findings and getting feedback is to present to appropriate audiences at workshops and conferences, the major method of communication with colleagues is through publication. This workshop is designed to address some of the nuts and bolts of publishing in the academy, specifically the preparation of manuscripts for the peer review process.

This workshop is sponsored by the AAG's Enhancing Departments and Graduate Education (EDGE) in Geography project and is based on material developed for the book *Aspiring Academics*. Priority will be given to graduate students and early career faculty. Participants will receive a copy of the book.

Teaching Geography: Resources for Undergraduate and Preservice Instruction

Saturday, April 17, 1:00 p.m. - 4:00 p.m.

Organizers/Instructors: Susan Gallagher, Association of American Geographers

Workshop #34; Workshop Capacity: 20

Cost/person: \$20

Room: Park Tower 8211, Marriot, Lobby Level

The workshop will assist K-16 geography faculty (including undergraduate and preservice instructors) in identifying examples of geography content instruction which engage students in modes of spatial thinking. Examples from the 80 multi-media instructional units on the Teaching Geography CD-ROM (developed with funding from FIPSE) will be introduced. Participants will receive instruction on how to access and use the wide range of resources included on the CD. Each participant will receive a free copy of the Teaching Geography book and CD.

WORKSHOPS

SATURDAY, APRIL 17 (continued)

Human Geography in Action

Saturday, April 17, 1:00pm - 4:00pm

Organizer: Veronica Armour, John Wiley & Sons

Instructor: Mike Kuby, Arizona State University

Workshop #35; Workshop Capacity: 30

Cost/person: free

Room: Lincoln Room 1, Marriott, Exhibition Level

John Wiley & Sons authors Michael Kuby and John Harner lead this hands-on workshop showing professors the best way to utilize WileyPlus for live and online classes using their interactive textbook, Human Geography in Action (HGIA). The HGIA WileyPlus interface seamlessly integrates an online version of the textbook (in color) with the interactive activities for which HGIA is known, plus automated grading of many questions, and grades that flow automatically into a grade book. All assignments and animations (ethnic mapping, culture region layers, AIDS diffusion, migration gravity model spreadsheet, etc.) are online and the authors have taken advantage of WileyPlus's capabilities by adding entirely new sequences of questions to some of the activities, for example:

- Particular combinations of layers and what they say about the core/domain/sphere of the Middle East or the American Southwest in Ch. 2
- The economic ratios of particular states and particular regions in Ch. 6
- Theoretical definitions of nations, states, ethnonationalism, and irredentism in Ch. 13, in order to make sure that students understand the concepts before applying them to Iraq or Yugoslavia.

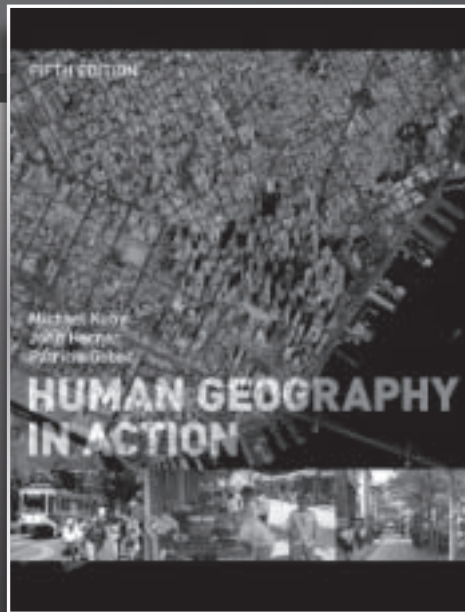
WileyPlus is an ideal platform for developing an online human geography course. Mike Kuby is now in his third semester teaching it online. This semester he has 215 students doing 13 of the 14 chapters, with only one TA to help with grading the written answers. Mike and John are giving a workshop at the AAG to teach users how to use WileyPlus and show them the new features of HGIA. While Wiley has developed an impressive set of online tutorials, and the Help Desk is very helpful, we believe in "learning by doing!"

Participants of the workshop will need to bring a laptop computer that can access the internet.

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FIELD TRIPS

All field trips will depart from the 24th Street entrance at the Marriott Wardman Park, located next to Harry's Pub on the Lobby Level.

TUESDAY, APRIL 13

Physical Geography and the Harper's Ferry and Antietam Battlefields

Tuesday, April 13, 7:45 a.m. - 6:00 p.m.

Organizers/Leaders: Bryon Middlekauff, Plymouth State University; Kurt Schroeder, Plymouth State University

Trip #2; Trip Capacity: 5

Cost/person: \$109 (*includes van transportation, lunch, snacks, handouts*)

Departing the Marriott promptly at 7:45 a.m., we travel west to I-270 toward Frederick, MD, and cross the Piedmont. Near Frederick, we will follow US 340 south into VA, to Harper's Ferry. There we catch a shuttle to the historic area. Afterward, we proceed via WV 230 to Shepherdstown, follow MD 34 to Sharpsburg and MD 65 to Antietam. We return to Washington D.C. arriving about 6 p.m.

Lee's army met Union forces at Harpers Ferry, VA. and Antietam, mid September, 1862. We examine site and situation of Harper's Ferry, the Potomac and Shenandoah juncture, well preserved downtown, the battle, and physical geography. At Antietam, we have an overview by a ranger, then visit a number of important sites on the battlefield.

Participants must prepare for temperatures from 45-80°F and rain with layered clothing and sturdy shoes. A box lunch, snacks, and drinks will be provided.

WEDNESDAY, APRIL 14

From DC's Dairy to DC's Wine Country: the Changing Agriculture of Loudoun County, Virginia

Wednesday, April 14, 7:30 a.m. - 6:30 p.m.

Organizer/Leader: Patrick J. Ryan II, Loudoun County Department of Economic Development; Larry Stipek, Loudoun County Office of Mapping and Geographic Information

Trip #4; Trip Capacity: 24

Cost/person: \$155 (*includes bus transportation, lunch, admission fees*)

This tour will visit several farms in Loudoun County, Virginia. Home to Dulles International Airport and only 25 miles from Washington, DC, Loudoun is one of the nation's fastest growing and wealthiest counties. In the morning the tour will visit Endless Summer Harvest, a hydroponic lettuce, greens, and herbs farm; Loudoun Nursery, a specialty tree-growing farm; and Wheatland Vegetable Farms, an "ecoganic" vegetable farm. Lunch will be at Magnolias at the Mill in Purcellville, Loudoun's historic agricultural center. The afternoon will feature trips to Corcoran Vineyards and Fabboli Cellars, two of Loudoun's 24 wineries, and the historic village of Waterford.

Birding and Nature Walk in Rock Creek Park

Wednesday, April 14, 7:30 a.m. - 9:45 a.m.

Organizer/Leader: Cathy Cooper, National Geographic Education Foundation; Neal Fitzpatrick, Audubon Naturalist Society; John Bjerke, Audubon Naturalist Society

Trip #5; Trip Capacity: 20

Cost/person: \$14

We will walk from the hotel to a stretch of this urban park which attracts a variety of migrating songbirds. Other features include geologic outcrops, 18th century mill, and the possibility of herring migrating up Rock Creek. We will hear the story of changing uses of the stream and its restoration and conservation. Guides are knowledgeable naturalists and birders of the region. Walk is approximately two miles on paved and gravel trail. Dress for the weather. Bring binoculars.

Human-Nature Interaction on the Eastern Shore of Chesapeake Bay

Wednesday, April 14, 8:00 a.m. - 6:30 p.m.

Organizer/Leader: Gina Bloodworth, Salisbury University; Alex Aguilar, Salisbury University

Trip #6; Trip Capacity: 33

Cost/person: \$108 (*includes lunch, transportation, refreshments*)

This fieldtrip explores the various layers of human interactions with the decidedly non-urbanized Eastern shore of the Chesapeake Bay, which provides a stark contrast to the heavily urbanized Western shore. From a historical and scalar perspective, we look at different layers of human patterns dating from the oldest town in MD (established in 1635) to the ultra secluded enclave of wealth at St. Michael's island, to Cambridge, and a water-based boat economy. We will explore the cultural landscape evidenced by a mosaic of forest, agriculture, and suburban development. Lastly, we will take in the Eastern Shore both as a nature lover's paradise with its bay, rivers and wetlands (the Bay Country), and as manufactured landscape dotted with pine plantations and industrial scale chicken farms. Each layer of culture and economy of this 'outback to the East Coast' generates unique expressions on the landscape and varying impacts on the water quality of the Chesapeake bay.

FIELD TRIPS

All field trips will depart from the 24th Street entrance at the Marriott Wardman Park, located next to Harry's Pub on the Lobby Level.

Post-Tobacco Southern Maryland: Agricultural Heritage and Transition

Wednesday, April 14, 8:00 a.m. - 3:30 p.m.

Organizer/Leader: Richard A. Russo, Department of Geography, University of Maryland

Trip #7; Trip Capacity: 34

Cost/person: \$85 (*includes lunch*)

Southern Maryland's agricultural economy was dominated by tobacco production until 2000, when the state of Maryland instituted a buyout program to effectively end tobacco production in the state. The region has experienced significant residential and commercial growth in the past 50 years. The disappearance of the region's cash crop, coupled with development pressure, has prompted the region to focus on conserving its agricultural landscapes by rethinking its agricultural economy.

In this field trip, we will learn about the challenges and opportunities that have come as a result of the tobacco buyout. Site visits will include a briefing by the Southern Maryland Agricultural Development Commission, a former tobacco farm that has transitioned into new ventures, value-added processing on an Amish farm, and a vineyard that is part of a regional effort to develop a wine industry. Wear sturdy shoes for tromping around farms and outer layers appropriate for the unpredictable, but generally pleasant Southern Maryland weather of mid-April.

THURSDAY, APRIL 15

DC In a Day!

Thursday, April 15, 8:00 a.m. - 7:00 p.m.

Organizers/Leaders: Kevin Patrick, Indiana University of Pennsylvania

Trip #24; Trip Capacity: 56

Cost/person: \$66 (*includes bus transportation, metro card, snacks, handouts – does NOT include lunch*)

Washington is a grandiose inside-out museum of American Political Culture, a place where even capitalism is subservient to symbolism and iconography. In the place of free market skyscrapers, Washington has a big lawn bound by monuments to the promise of greatness. Despite Washington's particular penchant for classical forms, the iconography of monumentalism changed continuous over the last two centuries, and examples from many different periods abound. This field trip crams DC into a day, revealing the stories and symbolism of the city in the monuments, buildings and landscapes that have accumulated within the ten-mile square district that functions as the nation's curio cabinet. Long walks and short rides will be required to cover ground that will include L'Enfant's baroque circles and boulevards, the Federalist streets of Georgetown, the venerable edifices of Pennsylvania Avenue, Victorian era romantic eclecticism, Beaux Arts neoclassicism of Daniel Burnham and

James McMillan, the monumental structures of the National Mall, and the full spectrum of 20th century modernity from Art Moderne to postmodernism. Lunch in a genuine Washingtonian food court. **Please bring \$10 for lunch.**

Columbia Heights: Walking Tour by Regional Development and Planning Specialty Group

Thursday, April 15, 1:30 p.m. - 3:30 p.m.

Organizers/Leaders: Rajrani Kalra, California State University, San Bernardino; Patricia Zingsheim, Associate Director of Revitalization and Design, DC Office of Planning; Jennifer Pomeroy, University of Maryland, College Park

Trip #8; Trip Capacity: 40

Cost/person: \$26 (*includes metro pass, water, handouts, snack, map*)

This walking tour is organized with support from the DC planning office and is led by Tarek Bolden who is the Neighborhood Planning Coordinator for Columbia Heights. The tour will focus on the *Columbia Heights Metro Transit Oriented Development Area*. It will focus on several major development projects, investments in public facilities, public space, and transit improvements points that include the Kenyon Square, DC-USA, Tivoli Theater, and Bell/Lincoln Multicultural School.

FRIDAY, APRIL 16

Slavery, War, and a Town Transformed: Exploring Fredericksburg's Cultural Landscapes

Friday, April 16, 8:30 a.m. - 5:00 p.m.

Organizers/Leaders: Stephen P. Hanna, University of Mary Washington; John Hennessy, Chief Historian, Fredericksburg-Spotsylvania National Military Park

Trip #10; Trip Capacity: 33

Cost/person: \$79 (*includes bus transportation, lunch*)

This trip will explore the historic landscapes of Fredericksburg, Virginia, and the collective memories they represent. The itinerary includes: a walk along Sunken Road, a carefully crafted scene from the Battle of Fredericksburg; a walking examination of "Old Town" emphasizing how slavery is hidden and visible in the townscape; and a lunch-time session with the National Park Service's new "Virtual Fredericksburg," a 3-D interactive map that is both virtual tour guide and a database of historic documents, images, and modern media. Wear good walking shoes and be prepared to walk several city blocks during the day.

FIELD TRIPS

All field trips will depart from the 24th Street entrance at the Marriott Wardman Park, located next to Harry's Pub on the Lobby Level.

FRIDAY, APRIL 16 (continued)

Geographies of the Holocaust: Special Tour of the U.S. Holocaust Memorial Museum

Friday, April 16, 9:00am - 2:00pm

Organizers/Leaders: Anne Kelly Knowles, Middlebury College; Robert Ehrenreich, U.S. Holocaust Memorial Museum; Alberto Giordano, Texas State University

Trip Capacity: 35

Cost/person: \$19 (*includes round trip metro fare, admission*)

This field trip will begin with a guided tour of the U.S. Holocaust Memorial Museum's permanent exhibit by Museum staff (9:30 – 11:00 a.m.). The tour will be followed by a presentation by Alberto Giordano and Anne Kelly Knowles, leaders of the Holocaust Historical GIS research project, explaining the genesis and development of the project, its major findings to date, and the Museum's involvement. The presentation will be followed by a tour of the Museum library and archives. Participants may purchase lunch at the Museum cafeteria before returning to the conference.

Issues in Culture, Place and Representation: The Smithsonian National Museum of the American Indian

Friday, April 16, 9:30 a.m. - 2:30 p.m.

Organizers/Leaders: Doug Herman, National Museum of the American Indian

Trip #22; Trip Capacity: 25

Cost/person: \$8 (*includes metro card, does not include lunch, donations welcome*)

How do you take objects of a culture and present them in such a way as to have others understand that people and their place? How do you present peoples considered to be "of the past" as living cultures today? This trip to the National Museum of the American Indian will include guided tours and lectures to two main galleries: "Our Universes" presents case studies of six American Indian communities, their understandings of their place in the cosmos, and the ways in which their material and intangible cultures reflect those values; and "Our Lives," which presents perspectives of six Native communities today, addressing questions of identity, government policy, and cultural survival. Lunch will be at participants' expense in our famous Mitsitam cafe featuring regional-based Native cuisine (prices range from \$8 - \$15 and up). The trip will conclude with a presentation and discussion of NMAI's Indigenous Geography project.

Columbia Heights; Gentrification, Immigration, Segregation, and Historic Victorian Homes

Friday, April 16, 3:00 p.m. - 7:00 p.m.

Organizers/Leaders: Derrick Scott, University of Maryland, College Park

Trip #13; Trip Capacity: 35

Cost/person: \$10 (*includes metro card*)

The field trip is a walk from Columbia Heights to U St. We will depart from the Marriott, taking the metro from the Woodley Park stop to the Columbia Heights stop. The trip will end at the U street stop where we will enter the train and return to the Woodley Park stop. We will be looking at gentrification and the recovery of the city 40 years after the riots that burned it down. There are issues of immigrant populations, long time low-income residents, and upwardly mobile residents who have all made this their home. We will look at architecture and urban planning from the turn of the century and compare it to the new architecture and city designs that are sharing the same space. Meridian Hill Park sits on 16th St. 16th St. was planned to be the prime meridian before the world agreed Greenwich. U St. was historically a segregation line and was locally known as the "Black Broadway". It was the center for the arts in African-Americans across the nation and we will look at the changing dynamics. The trip will end with a meal in "Little Ethiopia". Participants should expect to spend approximately \$15.

Right to the City: Walking Tour of Speculation

Friday, April 16, 4:00 p.m. - 6:00 p.m.

Organizers/Leaders: Kathryn Wells, Syracuse University; Amanda Huron, The Graduate Center, City University of New York; Linda Leaks, Empower DC

Trip #9; Trip Capacity: 25

Cost/person: \$5 (*\$10 optional donation to Empower DC collected during the tour*)

As part of the Right to the City sessions, this "Walking Tour of Speculation" will lead participants through an afternoon of exploration and conversation in the Columbia Heights neighborhood of DC. Columbia Heights has undergone rapid change in recent years, including the construction of DC's first Target store, and has been the subject of many city-wide debates about affordable housing. Long-time local activist Linda Leaks of Empower DC will direct this two-hour tour of development, gentrification, and other struggled-over sites of speculation. (Note: Columbia Heights is only 10 minutes by bus from the conference hotel.) This tour is sponsored by the Urban Geography specialty group, the Social and Critical Geography specialty group, and the People's Geography Project. ***Please bring \$2 to cover your bus fare.***

FIELD TRIPS

All field trips will depart from the 24th Street entrance at the Marriott Wardman Park, located next to Harry's Pub on the Lobby Level.

Historical Walking Tour of the National Zoological Park

Friday, April 16, 3:30 p.m. - 6:00 p.m.

Organizer: Dawn Biehler, University of Maryland, Baltimore County

Leader: Lisa Uddin, Smithsonian Research Associate; Melissa Songer, NZP Research Ecologist

Trip #26; Trip Capacity: 35

Cost/person: \$15 (*includes speaker honoraria*)

This fieldtrip will explore the multiple histories of the Smithsonian's National Zoo in Rock Creek Park. Strolling through 163 sloping acres, we will consider early social, scientific and architectural visions for the grounds, revisit the lives of prominent Zoo residents, and reflect on the shifting aesthetics, biology and politics of animal exhibition more broadly. Sites of interest along the way: the Fujifilm Giant Panda Habitat, the Outdoor Flight Cage, the Great Cats exhibit, and the Elephant Trails (under construction). Bring your cameras and comfortable shoes!

Lisa Uddin received her Ph.D. in Visual and Cultural Studies from the University of Rochester in 2009. She is a Smithsonian Research Associate who lives in Washington D.C. Dr. Melissa Songer is a research ecologist working with the Conservation GIS Lab part of the National Zoo's Conservation Ecology Center. Her research focuses on linking broad geographic and environmental models to expressions of biodiversity at local and regional scales

SATURDAY, APRIL 17

Boundary Stones of the District of Columbia

Saturday, April 17, 10:45 a.m. - 5:45 p.m.

Organizers/Leaders: Douglas Batson, MGS; Dr. Lee De Cola, US Geological Survey

Trip #14; Trip Capacity: 47

Cost/person: \$57 (*includes bus transportation, admission fees, and handouts*)

The Federal District of Columbia is perhaps best known to tourists for its impressive monuments. The very first Federal monuments were boundary stones, placed at one mile intervals during a historic 1791-92 survey, to demarcate the 100 square miles of land donated by Maryland and Virginia. The tour will visit up to 10 of the 40 boundary stones in Northwest DC; Alexandria, Arlington, and Falls Church, Virginia, that even today form political boundaries and traffic patterns. Following a historical site visit, the group will have lunch in an Old Town Alexandria restaurant (not included).

Field Trip to the Library of Congress, Geography and Map Division and Prints and Photographs Division

Saturday, April 17, 9:00 a.m. - 12:00 p.m.

Organizers/Leaders: Ed Redmond, Geography and Map Division, Library of Congress; Barbara Orbach Natanson, Prints and Photographs Division, Library of Congress

Trip #15; Trip Capacity: unlimited

Cost/person: free

The Geography and Map Division and the Prints and Photographs Division of the Library of Congress welcome AAG attendees to two open houses on Saturday April 17 in the James Madison Memorial Building, diagonally across from the Capitol South Metro (subway) station on Capitol Hill. Both open houses are open to anyone (including spouses) with an AAG conf. badge.

The Geography and Map Reading Room (LM B-02) will host a unique display of both modern and historic maps, atlases, globes, and terrain models, dating from the 14th century to 2010. In addition to the display, the Geography and Map Division will offer "behind the scenes" guided tours of the Library's rich cartographic collections that are a treasure trove for modern geographers, historical geographers, and anyone with an interest in geography/ cartography.

The Prints and Photographs Reading Room (LM-337) display will highlight research opportunities in its holdings of photographs, architectural documentation, prints and posters. The open house will feature some of the riches of the Prints and Photographs Division and suggest ways to explore the holdings both online and on site.

Both open houses are free but transportation from the conference hotel to the Library of Congress will not be provided. For additional information contact Ed Redmond, Geography and Map Division. Library of Congress at ered@loc.gov.

Two Decades of New Urbanism: Regional Development and Planning Specialty Group Tour of the Kentlands

Saturday, April 17, 9:00 a.m. - 1:00 p.m.

Organizer/Leader: George Pomeroy, Shippensburg University of Pennsylvania; Bridget Ryder, Kentlands Foundation

Trip #16; Trip Capacity: 45

Cost/person: \$50 (*includes bus transportation, water, handouts, foundation donation*)

Whether in terms of age, scale, or significance, The Kentlands is the world's premier example of New Urbanism. It serves as both a living laboratory for the philosophy of New Urbanism and as an illustration of the principles traditional neighborhood planning. Based on the architectural visions of Andres Duany and Elizabeth Plater-Zyberk, the development is now fully built out community with an active community foundation. It has been featured in numerous national and international publications and documentaries for its planning significance. The field visit consists of a 90 minute walking tour of the development led by the Kentlands docents.

FIELD TRIPS

All field trips will depart from the 24th Street entrance at the Marriott Wardman Park, located next to Harry's Pub on the Lobby Level.

SATURDAY, APRIL 17 (continued)

Wine Tasting, Gourmet Lunch at Salamander, and Visit of the Chrysalis Vineyards

Saturday, April 17, 10:30 a.m. - 5:00 p.m.

Organizers/Leaders: Dr. Denyse Lemaire, Rowan University;
Percy Dougherty, Kutztown University

Trip #17; Trip Capacity: 39

Cost/person: \$90 (*includes van transportation, lunch, wine tasting fees*)

Discover the geology of the Piedmont Region of Virginia, visit the Chrysalis and Breaux Vineyards, attend 2 wine tastings, and enjoy a gourmet lunch at Market Salamander in Middleburg, VA.

The National Mall as it Was, Is, and Might Have Been

Saturday, April 17, 12:00 p.m. - 4:00 p.m.

Organizers/Leaders: Sarah Luria, College of the Holy Cross;
Phillip Kennicott, Culture Critic, Washington Post

Trip #23; Trip Capacity: 28

Cost/person: \$36 (*does not include lunch*)

The National Mall was once planned to extend from the shore of the Potomac to the shore of the Anacostia, cutting across the point of land on which Washington sits. It would connect the monuments to the rivers that inspired the siting of the capital. The Potomac shore used to reach the foot of the Washington Monument. The Lincoln Memorial sits on landfill. Join Washington historian Sarah Luria and Washington Post culture critic Philip Kennicott for a bus and walking tour of the geography of the Mall, as we review what it might have been and what it has become. Please bring extra money for lunch.

African American History and Archaeology in the Kalorama Neighborhood of Washington, DC with National Geographic

Saturday, April 17, 12:00 p.m. - 2:30 p.m.

Organizers/Leaders: Sean O'Connor, National Geographic Education

Trip #18; Trip Capacity: 50

Cost/person: \$5

This guided walking tour will visit sites important to African American heritage in Washington, DC, including stops at Kalorama Park, recently named by the NPS as a National Underground Railroad Network to Freedom site. The tour will end at Walter C. Pierce Community Park, the site of Washington's first Quaker cemetery and the city's largest African American burial ground following the Civil War. Howard University archeologists will introduce participants to a non-invasive archeological survey of the site currently underway to determine where unmarked graves still exist so they can be protected and commemorated.

SUNDAY, APRIL 18

Native American History and Archeology in the Washington, DC Area with National Geographic

Sunday, April 18, 8:30 a.m. - 2:30 p.m.

Organizer/Leader: Sean O'Connor, National Geographic Education

Trip Capacity: 13

Trip #20; Cost/person: \$72 (*includes bus transportation*)

This trip will explore culturally rich sites in and around Washington, DC focused on Native American presence in the region from pre-history through to today. The morning will start with a visit to the Palisades Museum of Prehistory, with a tour from museum director Doug Dupin. Doug will then join the group for a hike along the Potomac River gorge to a prehistoric complex. The last stop will take participants into Rock Creek Park in Washington, DC to visit quartzite and steatite quarries left by the indigenous peoples of the area.

Please plan to bring lunch and/or snacks, as these will not be provided and options may not be available on route.

Sunday Geographers Volksmarch

Sunday, April 18, 8:00 p.m. - 1:00 p.m. (start window)

Cost/person: free

A volksmarch is a non-competitive walk at a pace participants choose for themselves. As the linguistic roots of the term convey, volksmarching began in Germany. It was brought to the United States in the 1960s by those who had discovered the joys of "popular walking" while based in Europe.

Scheduled for Sunday, April 18, the AAG is co-sponsoring a volksmarch in conjunction with Tom Baerwald and the Washington D.C. Area Volksmarching Club. During a 5-hour "start window" from 8:00 a.m. to 1:00 p.m., walkers can head out at whatever time they choose by themselves or in self-organized groups. Trail directions provide commentary on sites along the trail, so walkers will be able to learn about the places they'll pass.

Those wishing to participate should sign up at a special table in the Annual Meeting registration area of the Marriott Wardman Park Hotel. Two 3.7 mile loop trails that begin and end at the Marriott will be available, or participants may weave the two loops together for a longer stroll. Detailed information on this event will be available at the Annual Meeting registration desk in the Marriott.



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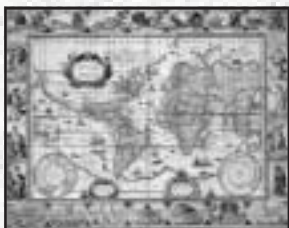
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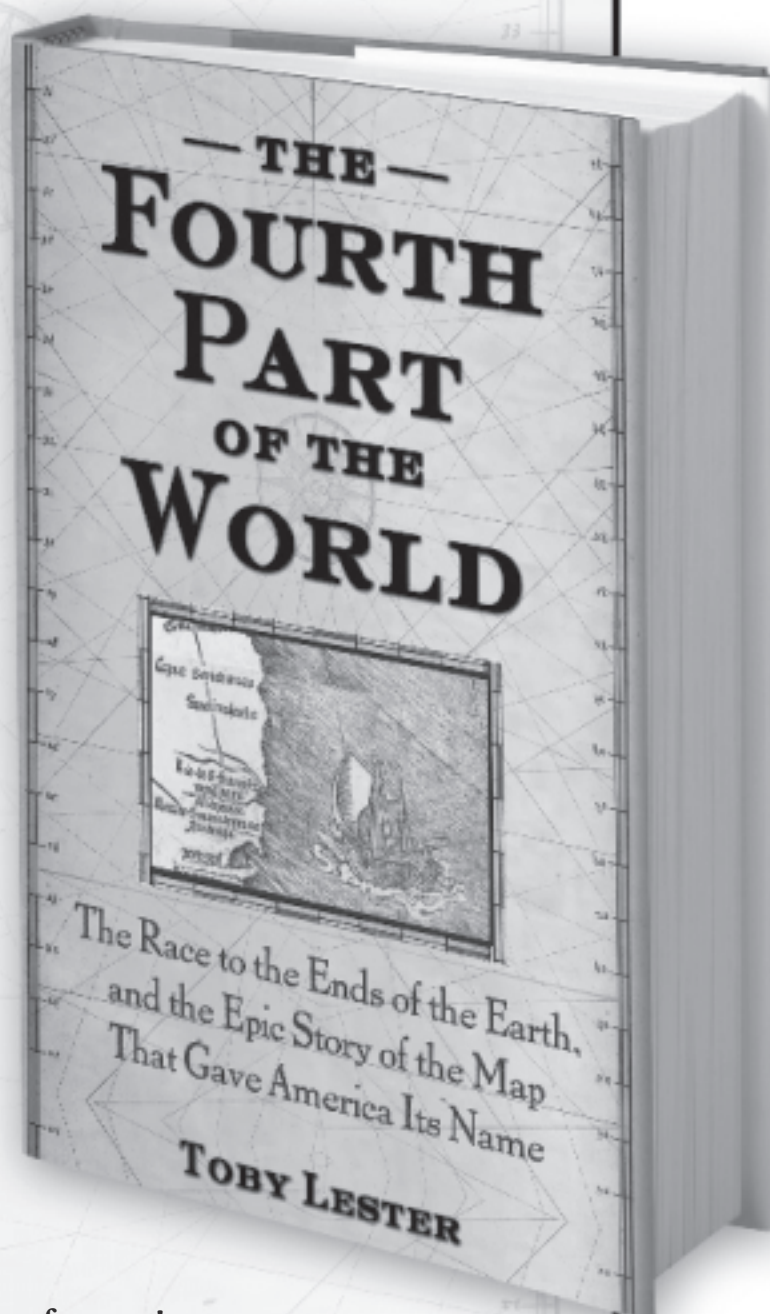
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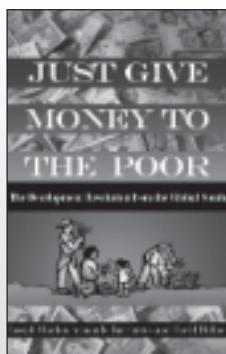
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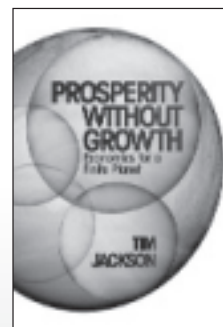
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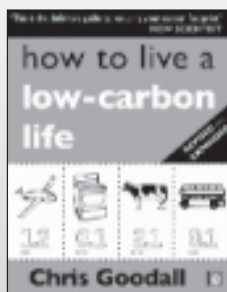
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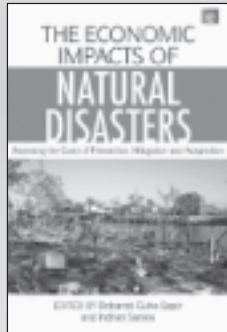
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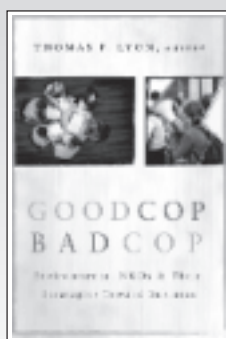


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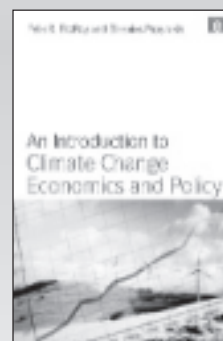
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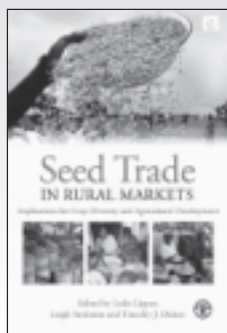
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Key to days (**1st digit**) is as follows:

Wednesday = 1

Thursday = 2

Friday = 3

Saturday = 4

Sunday = 5

Below are the keys to time slots (**2nd digit**):

Wednesday, April 14

<i>Session #</i>	<i>Time</i>
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.
	(AAG Presidential Plenary)
18xx	8:00 p.m. - 9:00 p.m.

Thursday April 15

<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. - 12:30 p.m.
24xx	12:40 p.m. - 2:20 p.m.
25xx	2:40 p.m. - 4:20 p.m.
26xx	4:40 p.m. - 6:20 p.m.
27xx	6:30 p.m. - 7:45 p.m.
	(AAG Past President's Address)
28xx	8:00 p.m. - 9:00 p.m.

Friday, April 16

<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. - 12:30 p.m.
34xx	12:40 p.m. - 2:20 p.m.
35xx	2:40 p.m. - 4:20 p.m.
36xx	4:40 p.m. - 6:20 p.m.
37xx	6:30 p.m. - 8:00 p.m.
38xx	8:00 p.m. - 9:00 p.m.

Saturday, April 17

<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. - 12:30 p.m.
44xx	12:40 p.m. - 2:20 p.m.
45xx	2:40 p.m. - 4:20 p.m.
46xx	4:40 p.m. - 6:20 p.m.
47xx	6:30 p.m. - 7:30 p.m.
48xx	7:30 p.m. - 8:30 p.m.

Sunday, April 18

<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	12:00 p.m. - 2:00 p.m.
	(AAG Awards Luncheon)
54xx	2:00 p.m. - 3:40 p.m.
	2:00 p.m. - 3:00 p.m.
	(AAG Business Meeting)
55xx	4:00 p.m. - 5:40 p.m.

Therefore, session 1201 would be held on Wednesday, April 14 (**1201**) from 10:00 a.m. - 11:40 a.m. (**1201**) in the Congressional Room (**1101**).

xx (**last two digits**) = Room code (See next page for list of room code numbers)

KEY TO ROOMS

Room Code (last two digits of session number):

Hotel maps can be found on page 8-11 (Marriott) and 12 (Omni). Rooms may not be numbered chronologically by location.

Room#	Room Name	Location
01	Congressional Room	Marriott, Lobby Level
02	Delaware Suite A	Marriott, Lobby Level
03	Delaware Suite B	Marriott, Lobby Level
04	Embassy	Marriott, Lobby Level
05	Ethan Allen	Marriott, Lobby Level
06	Marriott Ballroom Salon 1	Marriott, Lobby Level
07	Marriott Ballroom Salon 3	Marriott, Lobby Level
08	Maryland Suite A	Marriott, Lobby Level
09	Maryland Suite B	Marriott, Lobby Level
10	Maryland Suite C	Marriott, Lobby Level
11	Nathan Hale	Marriott, Lobby Level
12	Park Tower 8206	Marriott, Lobby Level
13	Park Tower 8209	Marriott, Lobby Level
14	Park Tower 8210	Marriott, Lobby Level
15	Park Tower 8212	Marriott, Lobby Level
16	Park Tower 8216	Marriott, Lobby Level
17	Park Tower 8219	Marriott, Lobby Level
18	Park Tower 8222	Marriott, Lobby Level
19	Thomas Paine	Marriott, Lobby Level
20	Virginia Suite A	Marriott, Lobby Level
21	Virginia Suite B	Marriott, Lobby Level
22	Virginia Suite C	Marriott, Lobby Level
23	Coolidge	Marriott, Mezzanine Level
24	Harding	Marriott, Mezzanine Level
25	Hoover	Marriott, Mezzanine Level
26	Jackson	Marriott, Mezzanine Level
27	Jefferson	Marriott, Mezzanine Level
28	Johnson	Marriott, Mezzanine Level
29	Marriott Ballroom Balcony A	Marriott, Mezzanine Level
30	Marriott Ballroom Balcony B	Marriott, Mezzanine Level
31	Marriott Ballroom Balcony C	Marriott, Mezzanine Level
32	Marriott Ballroom Balcony D	Marriott, Mezzanine Level
33	McKinley	Marriott, Mezzanine Level
34	Taft	Marriott, Mezzanine Level
35	Taylor	Marriott, Mezzanine Level
36	Thurgood Marshall East	Marriott, Mezzanine Level
37	Thurgood Marshall North	Marriott, Mezzanine Level
38	Thurgood Marshall South	Marriott, Mezzanine Level
39	Thurgood Marshall West	Marriott, Mezzanine Level
40	Truman	Marriott, Mezzanine Level
41	Tyler	Marriott, Mezzanine Level
42	Wilson A	Marriott, Mezzanine Level
43	Wilson B	Marriott, Mezzanine Level
44	Wilson C	Marriott, Mezzanine Level
45	Exhibit Hall B South	Marriott, Exhibition Level
46	Lincoln Room 2	Marriott, Exhibition Level
47	Lincoln Room 3	Marriott, Exhibition Level
48	Lincoln Room 4	Marriott, Exhibition Level
49	Lincoln Room 5	Marriott, Exhibition Level
50	Lincoln Room 6	Marriott, Exhibition Level

Room#	Room Name	Location
51	Washington Room 1	Marriott, Exhibition Level
52	Washington Room 2	Marriott, Exhibition Level
53	Washington Room 3	Marriott, Exhibition Level
54	Washington Room 4	Marriott, Exhibition Level
55	Washington Room 5	Marriott, Exhibition Level
56	Blue Room	Omni Shoreham
57	Cabinet	Omni Shoreham
58	Calvert	Omni Shoreham
59	Capitol	Omni Shoreham
60	Chairman	Omni Shoreham
61	Congressional A	Omni Shoreham
62	Congressional B	Omni Shoreham
63	Council	Omni Shoreham
64	Diplomat	Omni Shoreham
65	Director's	Omni Shoreham
66	Embassy	Omni Shoreham
67	Empire	Omni Shoreham
68	Forum	Omni Shoreham
69	Governor's	Omni Shoreham
70	Hampton	Omni Shoreham
71	Palladian	Omni Shoreham
72	Senate	Omni Shoreham
73	Marriott Ballroom Salon 2	Marriott, Lobby Level
74	Park Tower 8205	Marriott, Lobby Level
75	Park Tower 8211	Marriott, Lobby Level
76	Park Tower 8217	Marriott, Lobby Level
77	Park Tower 8218	Marriott, Lobby Level
78	Park Tower 8224	Marriott, Lobby Level
79	Park Tower 8229	Marriott, Lobby Level
80	Cleveland 1	Marriott, Mezzanine Level
81	Cleveland 2	Marriott, Mezzanine Level
82	Lincoln Room 1	Marriott, Exhibition Level

*Directions to the Omni Shoreham Hotel:

To access the session rooms in the Omni Shoreham Hotel, exit the Marriott at the 24th street entrance (next to Harry's Pub). Walk down to the end of the driveway and take a right on the sidewalk. Go to the end of the block and cross over Calvert Street. Take a right on the other side of Calvert. The entrance to the Omni will be 50 yards on your left.

To exit through the back entrance of the Marriott, board the elevators by Park Tower Room 8205 and press "L". Exit through the doors in front of you. Take the crosswalk across Calvert Street. Follow the sidewalk up the hill to your left. The main entrance to the Omni Shoreham Hotel will be on your right.

TUESDAY, APRIL 13

The U.S. Board on Geographic Names: Committees to Meet at the AAG

Tuesday, April 13, 10:00 a.m. – 3:30 p.m.

Room: Nathan Hale, Marriott, Lobby Level

The U.S. Board on Geographic Names (BGN) consists of officials from ten U.S. government departments and agencies. The BGN will hold its regularly scheduled committee meetings in conjunction with the AAG Annual Meeting.

Both The BGN Domestic Names Committee meeting (10:00 a.m. – 12:00 p.m.) and the BGN Foreign Names Committee meeting (1:30 p.m. – 3:30 p.m.) are open to the public and AAG attendees are welcome to attend.

This is an opportunity to witness how place names are standardized for official use within the U.S. government.

The Board's decisions influence what names appear on the maps of many of the world's most prestigious English-language cartographies. Come see toponymy in action.

TUESDAY

WEDNESDAY

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

WEDNESDAY, APRIL 14 • 10:00 AM - 11:40 AM • 1200**1204. Young People, Religion and Place I (Sponsored by Geography of Religions and Belief Systems Specialty Group)***Room: Embassy, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Peter E Hopkins, Newcastle University, UK

CHAIR(S): Peter E Hopkins, Newcastle University, UK

10:00 Andrew Kam-Tuck Yip*, University of Nottingham; Michael Keenan, Nottingham Trent University; Sarah-Jane Page, University of Nottingham, *Who Am I? Where Am I? A Sociological Exploration of Religious Young People's Sense of Place and Belonging.*

10:20 Chris Shannahan, PhD*, University of Birmingham, UK, *Negotiating faith on the Coventry Road: British-Muslim Youth Identities in the 'Third Space'.*

10:40 Robina Mohammad, PhD*, University of Reading, *Negotiating faith and place in the self identifications of youth of Pakistani origin in Birmingham UK..*

11:00 Lasse Martin Koefoed, Associate professor*, Roskilde University, *(Re)scaling identities- experienced otherness, (mis)recognition and the formation of spatial identities.*

1205. Geographies of Tolerance (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)*Room: Ethan Allen, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Ruth Healey, University of Chester; Helen Wilson, Durham University, UK

CHAIR(S): Jonathan Darling, University of Manchester

Introducer: Helen Wilson

10:05 Ruth L Healey, Dr*, University of Chester, *Tolerating refugees: integration and expectations of gratitude.*

10:25 Helen Wilson*, Durham University, UK, *Educating Values: Parental responsibilities and the everyday politics of tolerance.*

10:45 Amy Mills, Ph.D.*, University of South Carolina, *Tussling for Tolerance: Urban Image and the Possibility of Cosmopolitanism in Istanbul.*

11:05 Jonathan Darling*, University of Manchester, *Giving Space: positioning the tolerant citizen in UK asylum drop-in centres.*

Discussant(s): Tariq Jazeel, University of Sheffield

1211. Access to & Utilization of Mental Health Treatments*Room: Nathan Hale, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Gerald Stahler

10:00 Gary W. Shannon, PhD*, University of Kentucky, *Accessibility to Current Distribution of Psychiatrists and Proposed Telepsychiatry Sites in Kentucky: A Geographic Information Systems Approach.*

10:20 Amanda Slaunwhite*, University of Victoria; Aleck Ostry, MA, MSc, PhD, Associate Professor, Department of Geography, University of Victoria, Canada Research Chair, Determinants of Community Health, *Mental Health across the Urban/Rural Continuum in British Columbia: An Assessment based on Differences in Regional Drug Utilization.*

10:40 Gerald Stahler, Ph.D.*, Temple University; Jeremy Mennis, Ph.D., Temple University; David A. Baron, D.O., Temple University, *Influence of Neighborhood Social Disorganization and Program Accessibility on Treatment Continuity for Dually Diagnosed Patients Discharged from Acute Inpatient Care.*

11:00 C. Debra M Furr-Holden, PhD*, Johns Hopkins Bloomberg School of Public Health; Mieka J. Smart, M.H.S., Johns Hopkins Bloomberg School of Public Health; Adam J. Milam, M.H.S., Johns Hopkins Bloomberg School of Public Health, *Spatial Analysis of Injection Drug Use, Drug Treatment, and HIV in Baltimore City.*

1219. Author Meets the Critics: Denis Wood. Rethinking The Power of Maps (Sponsored by Socialist and Critical Geography Specialty Group, Historical Geography Specialty Group, Communication Geography Specialty Group)*Room: Thomas Paine, Marriott, Lobby Level (Panel Session)*

ORGANIZER(S): Joseph Palis, University of North Carolina at Chapel Hill; Craig Dalton, UNC Chapel Hill

CHAIR(S): Craig Dalton, UNC Chapel Hill

Panelists: Joseph H. Bryan, University of Colorado, Boulder; Michael R. Curry, University of California, Los Angeles; Chris Perkins; Denis Wood

1224. Urban Children | Urban Nature (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group)*Room: Harding, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Ann Marie Murnaghan, York University

CHAIR(S): Ann Marie Murnaghan, York University

10:00 Stuart C. Aitken*, San Diego State University; David Lulka, CSU San Marcos, *Embattled Leagues of Children and Seals Teeter on the Edge of the World.*

10:20 Ann Marie F. Murnaghan*, York University, *Natural States: Happy Children and Green Playgrounds in Toronto, Canada, 1888-1918.*

10:40 Mike Bulthuis*, University of Ottawa, *Urban imaginaries and suburban lives: Placing parks in a teenager's search for restorative space.*

11:00 Nadia von Benzon, PhD student*, Imperial College London, *Conflicting Constructions of Disability, Childhood and Nature: implications for disabled children's access to the natural environment.*

11:20 Jason Douglas*, The Graduate Center - CUNY, *What's good in the hood? The Production of Youth, Nature, and Knowledge.*

1225. Community of Professional Graduate Programs in GIS&T (Sponsored by Geographic Information Science and Systems Specialty Group, Enhancing Departments and Graduate Education project (EDGE), Geography Education Specialty Group)*Room: Hoover, Marriott, Mezzanine Level (Panel Session)*

ORGANIZER(S): Yi-Hwa Wu, Northwest Missouri State University; David DiBiase, Penn State University

CHAIR(S): Ming-chih Hung, Northwest Missouri State University

Panelists: John P. Wilson, University of Southern California; Michael N. Solem, Association of American Geographers; Francis Harvey, University of Minnesota - Minneapolis; Michael Gould, ESRI; David DiBiase, Penn State University; Wesley Marshall, University of Colorado Denver; Sharolyn Anderson, University of Denver; Patricia L. Drews, Northwest Missouri State University; Douglas Flewelling, University of Redlands

1226. Geospatial Visualization: concepts, representation, implementation, and related topics (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)*Room: Jackson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Jing Li

CHAIR(S): Jing Li

10:00 Ying Song*, University of Utah; Harvey J. Miller, University of Utah, *Exploratory Space-time Visualization of Transportation Flows using Traffic Cubes.*

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- 10:20** David Martin, PhD*, University of Southampton; Samantha Cockings, University of Southampton; Samuel Leung, University of Southampton, *Visualizing population distributions 24/7*.
- 10:40** Jing Li*, George Mason University; Chaowei Yang, George Mason University; Huayi Wu, George Mason University; Qunying Huang, George Mason University; David Wong, George Mason University, *Distributed Visualization of Dust Storm*.
- 11:00** Ian Muehlenhaus, Ph.D.*, University of Wisconsin-River Falls, *Cartography that counts: identifying, measuring, and comparing map rhetoric*.
- 11:20** Ryan Burns*, University of Washington, *'Exploring Geovisualization': Reflections, Ideas, and Questions*.

1227. Theorizing Petro-capitalism: Oil, Accumulation, Struggle (Sponsored by Socialist and Critical Geography Specialty Group, Energy and Environment Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Matthew Huber, Syracuse University; Byron A. Miller, University of Calgary

CHAIR(S): Byron A. Miller, University of Calgary

10:00 Gabriela Valdivia*, University of North Carolina, Chapel Hill, *When Labor Imagines the Nation: The Petro-body in the Age of Neoliberal Encounters in Ecuador*.

10:20 Brent Z Kaup*, College of William & Mary, *Spatial Divisions of Nature: Economic Oppression in Bolivia's Hydrocarbon Economy*.

10:40 Anna Zalik, PhD*, York University, Faculty of Environmental Studies, *Contested Oilfields and Contesting Landlords: The Offshore and the Canadian Western Provinces*.

11:00 Matthew Huber, PhD*, Syracuse University, *Oil dialectics: A critique of the geopolitical optic*.

Discussant(s): Nayna Jhaveri, Colgate University

1228. Landscape Controls on Ecosystem Processes (Sponsored by Spatial Analysis and Modeling Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jason Julian, University of Oklahoma; Todd Lookingbill, University of Richmond

CHAIR(S): Jason Julian, University of Oklahoma

10:00 Todd R. Lookingbill*, University of Richmond; Joseph R. Ferrari, University of Maryland Center for Environmental Science; Keith Eshleman, University of Maryland Center for Environmental Science; Philip A. Townsend, University of Wisconsin - Madison, *Landscape Modeling of Hydrological Response to Surface Mining and Reclamation*.

10:20 Matthew E Baker*, University of Maryland, Baltimore County; Donald E Weller, Smithsonian Environmental Research Center; Thomas E Jordan, Smithsonian Environmental Research Center, *Quantifying watershed effects of riparian buffers on nitrogen discharges*.

10:40 Jason Julian*, University of Oklahoma, *Shedding Light upon Landscape Controls on Primary Productivity in Rivers*.

11:00 W. Andrew Marcus*, University of Oregon; Patrice Carbonneau, Durham University; Mark A. Fonstad, Texas State University; Suzanne Walther, University of Oregon, *Making Riverscapes Real*.

11:20 Michael A. Urban*, University of Missouri; C. Mark Cowell, University of Missouri, *The changing geography of the U.S. water budget: 20th century patterns and 21st century projections..*

1233. Air Pollution, Aerosols, and Climate

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ousmane Sy Savane, City College Cuny

10:00 Andrew Augustine*, Louisiana State University, *Climatic assessment of tropospheric ozone development in Baton Rouge, Louisiana*.

10:20 Thomas "Roy" Sando, Masters Student*, Kansas State University, *A Climatology of Air Pollution Related to Rangeland Burning*.

10:40 Xiaoyang Zhang*, ERT at NOAA/NESDIS; Shobha Kondragunta, NOAA/NESDIS/STAR, *Impacts of Climate Change on Biomass Burning Across the United States*.

11:00 Heather Glickman-Eliezer, MA*, CUNY Graduate Center; Shayesteh Mahani, PhD, NOAA-CREST; Reza Khanbilvardi, PhD, NOAA-CREST, *Impacts of Aerosols and Urban Heat Island on Clouds*.

11:20 Ousmane Sy Savane, PhD Student*, CE Dept at City College of New York 140 St at Convent Avenue, Steinman Hall; Brian Vant- Hull, PhD, CE Dept at City College of New York 140 St at Convent Avenue, Steinman Hall; Shayesteh Mahani, Assistant Professor, CE Dept at City College of New York 140 St at Convent Avenue, Steinman Hall; Reza Khanbilvardi, Professor of CE, PhD, PE, CE Dept at City College of New York 140 St at Convent Avenue, Steinman Hall, *Aerosol Impact on Cloud Liquid Water Path*.

1234. Geomorphology and Environmental change on the Tibetan Plateau-I (Sponsored by Paleoenvironmental Change Specialty Group, China Specialty Group, Geomorphology Specialty Group)

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yingkui Li, University of Missouri-Columbia; Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

CHAIR(S): Yingkui Li, University of Missouri-Columbia

10:00 Jon Harbor*, Purdue University; Ping Fu, Purdue University; Jakob Heyman, Stockholm University; Arjen Stroeven, Stockholm University; Clas Hattestrand, Stockholm University; Liping Zhou, Peking University, *Glacial Geomorphology of the Haizi Shan area, SE Tibetan Plateau*.

10:20 Xinbao Zhang*, Institute of Mountain Hazards and ENVIRONMENT.C.A.S.; Xiubin He, Institute of Mountain Hazards and Environment.C.A.S.; Yangchun Wang, Institute of Mountain Hazards and Environment.C.A.S.; Yi Long, Institute of Mountain Hazards and Environment.C.A.S, *Periglacial Planation Surfaces in the Tibet Plateau*.

10:40 Yinghua Zheng*, State Key laboratory of Earth Surface Processes and Resource Ecology, BNU; Yongqiu Wu, State Key laboratory of Earth Surface Processes and Resource Ecology, BNU, *Rapid climatic changes and the response of aeolian activities to it in Holocene on the Qinghai-Tibet plateau*.

11:00 Chaolu Yi*, Institute of Tibetan Plateau Research, Chinese Academy of Sciences; Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing; Xulong Wang, Institute of Earth Environments, Chinese Academy of Sciences; Hualiang Chen, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, *Rapid rise of lake level in Holocene in glacial lakes in the Qiangtang Plateau, Tibet*.

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- 1235. Academia Insurgent: Geography, universities and cognitive capitalism (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: Taylor, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Elizabeth Mason-Deese

CHAIR(S): Elizabeth Mason-Deese

Introducer: Elizabeth Mason-Deese

Panelists: Geoffrey Boyce, University of Arizona; Robert Ramsay, University of Toronto; Tu Lan, University of North Carolina at Chapel Hill; Alvaro Reyes, UNC-Chapel Hill

- 1240. Increasing segregation or convivial multicultural? Old/new narratives in race and ethnicity debates. I (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)**

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Allan Cochrane, Open University; Sarah Neal, Open University

CHAIR(S): Allan Cochrane, Open University

10:00 Sarah Neal*, Open University, *The spatialities of race and ethnicities: reviewing the evidence and arguments on the state of multicultural in England.*

10:20 James Rhodes, PhD*, University of Manchester, *Geographies of 'Race' and Class in a De-industrialized Northern English Town.*

10:40 Jamie Kesten*, Open University; Allan Cochrane, Professor, Open University, *Multiculture and community in new city spaces.*

Discussant(s): Nancy Ettlinger, Ohio State University; Michael Poulsen, Macquarie University; Giles Mohan, The Open University, UK

- 1241. Advocacy in Biogeographic Science (Sponsored by Biogeography Specialty Group)**

Room: Tyler, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Stockton Maxwell, West Virginia University

CHAIR(S): Stockton Maxwell, West Virginia University

Panelists: Kenneth R. Young, University of Texas at Austin; Laura C. Schneider, Rutgers University; Lori D. Daniels, University of British Columbia; Glen M. MacDonald, UCLA; John Kupfer, University of South Carolina

- 1246. Beyond neoliberal nature: multiple natures and a (post?) neoliberal world (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Becky Mansfield, Ohio State University; Karen Bakker, University of British Columbia

CHAIR(S): Karen Bakker, University of British Columbia

10:00 Karen Bakker*, University of British Columbia, *The Limits of Neoliberal Nature: Reflections on post-neoliberalism and the end of nature.*

10:20 Sally Eden*, University of Hull, *Environmental labelling, consumption and civil society in a more-than-neoliberal world.*

10:40 James McCarthy*, Penn State, *The privatization of terrorism? 'Ecoterrorism' in the neoliberal era.*

11:00 Becky Mansfield*, Ohio State University, *Neoliberal Biopolitics of Environmental Health: Producing and Crossing Borders Between "the Environment" and "Ourselves".*

Discussant(s): Margaret I. FitzSimmons, University of California

- 1247. Desakota and Beyond: Interrogating Everyday Urban Geographies in Asia (Sponsored by Development Geographies Specialty Group, Urban Geography Specialty Group, Asian Geography Specialty Group)**

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Maureen H. Hickey; Arnisson Andre Caparas Ortega, University of Washington

CHAIR(S): Arnisson Andre Caparas Ortega, University of Washington

10:00 Arnisson Andre Caparas Ortega*, University of Washington, *Real Estate's Rendering: 'Suburban' Usurpation and Manila's Neoliberal Extramuros.*

10:15 Maureen H. Hickey*, University of Washington, *Labor Auto/Mobility: Taking Transportation Work into Account in Bangkok and Beyond.*

10:30 Thi Thanh Hien Pham*, Université De Sherbrooke, *What are the important indicators of urban life quality for local inhabitants? A case study of Hanoi.*

10:45 Sophie Buhnik*, CRIA (Paris 1 University)/ Institut d'Asie Orientale (Lyon 2 University), *Aging population and mobility issues in a Japanese shrinking city: a case study of the Osaka Metropolitan Area.*

Introducer: Arnisson Andre Caparas Ortega

11:05 Grace Baey*, Queen's University, *The Social Exclusion of Migrant Others in Singapore's Emerging Global City: Borders, Boundaries, and Transgressive Bodies.*

11:20 Lisa Kim Davis*, UCLA, *Worker Neighborhoods, Artists and the City in 21st Century South Korea.*

11:30 Serene Foo*, National University of Singapore, *A Timespace Critique of Singapore, A Good Global City.*

- 1248. The European / Post-Soviet City: Identity, Memory, Symbolism, and Politics I (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)**

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Joshua Hagen, Marshall University; Paul Stangl, Western Washington University

CHAIR(S): Paul Stangl, Western Washington University

10:00 Joshua Hagen*, Marshall University, *Urban Space, Political Theater, and the Nazi Building Program: Munich as the Capital of the Movement.*

10:20 Emilia Palonen*, University of Jyväskylä, *Building "Europe" in Budapest, Helsinki, and Luxembourg.*

10:40 Todd Courtenay*, UW-Madison, *Roma 1911: architectural and archaeological narratives of national identity.*

11:00 Heike Alberts*, University of Wisconsin-Oshkosh, *Dresden's Loss of World Heritage Status.*

11:20 Herman Van Der Wusten*, University of Amsterdam, *What parliament buildings say.*

- 1249. Topics in Rural Geography I**

Room: Lincoln Room 5, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Martínez Emilia, Universidad Autónoma De Madrid, Permanent Teacher

10:00 Camilla Eriksson*, Swedish University of Agricultural Sciences, *On the landscape trend in Europe: what do policymakers do and what do landscapes do?*

10:20 Thomas Chapman*, Old Dominion University; Robert Yarbrough*, Georgia Southern University, *Mapping New Terrain: An Initial Assessment of Community Geography Project Outcomes.*

10:40 Daniel Niles*, Research Institute for Humanity and Nature, *"Land Grabbing": A view from Japan.*

11:00 Joanna Adamiak*, York University, *Falling Under the Radar: Conceptualizing Rural Isolation and Potentials for Revolutionary Community Building.*

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11:20 Martínez Emilia*, Universidad Autónoma De Madrid, Permanent Teacher; Torija Rodrigo, Universidad Autónoma De Madrid, Researcher; Sánchez Julián, Universidad Autónoma De Madrid, Researcher, *Hunting and the nature conservancy in Spain.*

1250. Participatory Governance via Web 2.0 I (Sponsored by Geographic Information Science and Systems Specialty Group, Canadian Studies Specialty Group)

Room: *Lincoln Room 6, Marriott, Exhibition Level (Paper Session)*

ORGANIZER(S): Renee Sieber, McGill University

CHAIR(S): Renee Sieber, McGill University

10:00 Pamela H Tudge, BA*, University of British Columbia; Jon Corbett, University of British Columbia-Okanagan, *Cultivating Change: Communities Mapping the Local Food System with the Geoweb in the North Okanagan of British Columbia.*

10:15 Patrick Allen*, UBC-Okanagan; Jon Corbett, UBC - Okanagan, *The Geoweb and its role in ecosystem governance of the Okanagan.*

10:30 Insoo Steven Chung*, Ryerson University; Claus Rinner, Ryerson University, *The Potential of an Online Map-Based Discussion Forum to Engage Residents in Local Climate Change Adaptation and Mitigation.*

10:45 Nick Weigeldt*, Ryerson University, *A Web 2.0 Approach to Gathering Rural Agricultural Data: Its Feasibility in Ontario's Greenbelt.*

11:00 Brian Klinkenberg*, University of British Columbia; Alan McConchie, University of British Columbia, *Encouraging User Validation of Volunteered Geographic Information.*

Discussant(s): Claus Rinner, Ryerson University

1251. Worlds Apart - Worlds Meeting: Exploring the Science-Practice Relationship (Sponsored by Applied Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

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

ORGANIZER(S): Jennifer Brewer, East Carolina University; Susanne C. Moser, Susanne Moser Research & Consulting

CHAIR(S): Jennifer Brewer, East Carolina University

Introducer: Jennifer Brewer

10:05 Netra B Chhetri*, Arizona State University, *Linking citizens to global climate policy: outcomes of public deliberation.*

10:25 Jennifer Brewer*, East Carolina University, *Sounding the Crevasse: Knowledge and Policy in New England Fisheries Management.*

10:45 Nathan L. Engle*, University of Michigan, *Science, Information, and Governance in U.S. Drought Planning and Management.*

11:05 Barb Bischof*, Florida State University, *Coral Reef Science and Conservation: Finding Consensus using Q-Methodology.*

Discussant(s): Susanne C. Moser, Susanne Moser Research & Consulting

1252. Coupled Human and Natural Systems (CHANS): Agricultural landscapes as coupled human-natural systems: Are there commonalities in coupling mechanisms?

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

ORGANIZER(S): William J. McConnell, Michigan State University; Thomas J. Baerwald, National Science Foundation

CHAIR(S): Jianguo Liu

Introducer: Jianguo Liu

Introducer: Thomas J. Baerwald

10:20 Steven J Vanek*, Cornell University; Laurie E Drinkwater, Cornell University; Andrew Jones, Cornell University, *CHANS: Smallholder farming in northern Potosi, Bolivia: Challenges to Local Adaptive Coupling in an Andean Setting.*

10:40 Guillermo Pablo Podesta*, University of Miami, Rosenstiel School; Federico Bert, University of Buenos Aires, School of Agronomy; Elke Weber, Center for Research on Environmental Decisions, Columbia University; Michael North, Center for Complex Adaptive Agent Systems Simulation, Argonne National Laboratory; Charles Macal, Center for Complex Adaptive Agent Systems Simulation, Argonne National Laboratory; Pamela Sydelko, Center for Complex Adaptive Agent Systems Simulation, Argonne National Laboratory; Santiago Rovere, University of Buenos Aires, School of Engineering; Carlos Laciana, University of Buenos Aires, School of Engineering; Angel Menendez, University of Buenos Aires, School of Engineering; Fernando Ruiz Toranzo, Asociación Argentina de Consorcios Regionales de Experimentación Agrícola (AACREA); Marcelo Torrent, Asociación Argentina de Consorcios Regionales de Experimentación Agrícola (AACREA), *Recent changes in Agricultural Systems of the Argentine Pampas.*

11:00 Laurie E Drinkwater*, Cornell University; Cornelia B Flora, University of Iowa, *Coupling at multiple scales in agricultural landscapes of the Mississippi River Basin: What are the drivers and consequences?.*

11:20 Ryan E. Galt*, University of California, Davis, *Adaptive and maladaptive coupling in Costa Rican vegetable production: explaining multi-scalar linkages between social and biophysical causes and outcomes in intensive agricultural systems.*

1253. Gender and Environment: Critical Tradition and New Challenges (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: *Washington Room 3, Marriott, Exhibition Level (Panel Session)*

ORGANIZER(S): Roberta Hawkins, Clark University; Diana Ojeda, Clark University

CHAIR(S): Diana Ojeda, Clark University

Panelists: Dianne E. Rocheleau, Clark University; Andrea Nightingale, University of Edinburgh; Farhana Sultana, Syracuse University; Joni Seager, Bentley University; Kiran Asher; Leila Harris, University of Wisconsin, Madison

WEDNESDAY, APRIL 14 • 10:00 AM - 11:40 AM • 1200**1254. Alternative Approaches to Educating and Inspiring Environmental Movements (Sponsored by Graduate Student Affinity Group, Human Dimensions of Global Change Specialty Group)**

Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Greg Lankenau, Penn State University; Philip Birnie, Ohio State University
CHAIR(S): Greg Lankenau, Penn State University
10:00 Eric D. Carter*, Grinnell College, *Transplanted: Environmental Values of Latino Immigrants in the U.S.*
10:20 Greg Lankenau*, The Pennsylvania State University, *Fostering Relationships with Nature through Environmental Education.*
10:40 Philip Birnie*, Ohio State University, .
11:00 Akihiro Takasaki*, Osaka City University, *The alternative approaches to environmental movement against the Kawabe River Dam project in Japan.*
Discussant(s): Andrei Israel, The Pennsylvania State University

1255. Topics in Remote Sensing

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Zachary Bortolot
10:00 Aaron Burkholder*, West Virginia University; Timothy A. Warner, PhD, West Virginia University, *Separability of leaf reflectance spectra across the growing season for *Ailanthus altissima* and four other tree species.*
10:20 Yanfen Le*, Northwest Missouri State University, *Object-Based Analysis of Teasel in Roadside Vegetation Using NAIP data.*
10:40 Xin Miao*, Missouri State University; Jill S Heaton, University of Nevada, Reno, *A Comparison of Adaboost and Bagging Trees in Classification of Ecosystems in Clark County Nevada.*
11:00 Timothy A. Warner*, West Virginia University, *Adaptive Texture Using Scale-Dependent Texture Profiles: A Case Study Using QuickBird, ASTER and Landsat ETM+ Imagery.*
11:20 Zachary J Bortolot, Ph. D.*, James Madison University, *An Object Oriented Algorithm for Extracting Geographic Information from Remotely Sensed Data.*

1257. Harnessing Information Technology for Africa's Development in the 21st Century (Sponsored by Africa Specialty Group)

Room: Cabinet, Omni Shoreham (Paper Session)
ORGANIZER(S): Francis Koti, University of North Alabama; Peter A.K. Kyem, Central Connecticut State University
CHAIR(S): Francis Koti, University of North Alabama
10:00 Benjamin Ofori-Amoah*, Western Michigan University, *Harnessing Information Technology for Local Government Planning in Uganda: An Evaluation.*
10:20 Paddington Hodza*, University of Colorado, Colorado Springs, *Virtual globes and participatory mapping on the African landscape.*
10:40 Peter A.K. Kyem, PhD. GISP*, Central Connecticut State University, *Is a non-Western path to Modernity via the Deployment and Use of Information Technology Possible in Sub-Saharan Africa?.*
11:00 Karigomba Wilbert*, University of North Alabama, *Remote Sensing and Environmental Management in Africa: Current and Future Challenges.*
11:20 Francis Koti*, University of North Alabama, *Decentralizing GIS Practice in Kenya: Opportunities and Constraints.*

1258. Emerging Trends in Geographic Data Analysis for Population Characterization (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group, Remote Sensing Specialty Group)

Room: Calvert, Omni Shoreham (Paper Session)
ORGANIZER(S): Amy Rose, Oak Ridge National Laboratory
CHAIR(S): Beth Sweet, Department of Defense
10:00 Eddie Bright*, Oak Ridge National Laboratory, *Updating population data to account for refugee and IDP movements.*
10:20 Amy Rose*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Steven Fernandez, Oak Ridge National Laboratory; Olufemi Omitaomu, Oak Ridge National Laboratory, *Building a Synthetic Population to Support Social Simulation Environments.*
10:40 Anil Cheriyaad*, Oak Ridge National Laboratory; Eddie A Bright, Oak Ridge National Laboratory; Budhendra L Bhaduri, Oak Ridge National Laboratory; Ranga Raju Vatsavai, Dr., Oak Ridge National Laboratory, *Statistical Analysis of high-resolution overhead imagery for characterizing human settlements based on their socioeconomic attributes.*
11:00 Marie Urban*, Oak Ridge National Laboratory; Hwahwan Kim, Oak Ridge National Laboratory, *O Snowbirds where art thou? A high resolution population distribution model with seasonal population.*

1259. Researching retail globalization: a new phase? (Sponsored by Economic Geography Specialty Group)

Room: Capitol, Omni Shoreham (Paper Session)
ORGANIZER(S): Neil Coe, University of Manchester; Neil Wrigley, University of Southampton
CHAIR(S): Neil Coe, University of Manchester
10:00 Neil Coe, University of Manchester; Yong-Sook Lee*, Korea University, *Deepening territorial embeddedness? The case of Tesco in South Korea.*
10:20 Neil Wrigley, Professor*, University of Southampton; Michelle Lowe*, University of Surrey, UK, *The 'Continuously Morphing' Retail TNC During Market Entry: Interpreting Tesco's Expansion into the USA.*
10:40 Nebahat Tokatli*, New School University, *Making Opposing Forces Work: the Case of Burberry, a Luxury Retailer.*
11:00 James J. Biles*, City College of New York/CUNY, *Value or values? Making space for small-scale producers in global production networks.*
11:20 Wance Tacconelli*, University of Surrey, *Internationalising logistics and supply chain practices: the case of retail TNCs in China.*

1260. Migration and Identity: Around the World

Room: Chairman, Omni Shoreham (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Luke Struckman, Carleton University
10:00 Pia Anderson, PhD*, American University of Sharjah, *Cultural Tourism in the United Arab Emirates.*
10:20 Ari Singh Anand*, University of Wisconsin-Eau Claire, *Aspects of the Muslim Urban in Mumbai.*
10:40 Sabrina Marchandise*, University Paul Valéry - Montpellier - France, *To represent the geographical area of the web, case of Moroccan students.*
11:00 Lauren B Wagner*, UCL, *Passing as Moroccan: Diasporic visitors and the materiality of bodies.*
11:20 Luke Struckman*, Carleton University, *Morocco and Western Sahara: Questions of Identity?.*

WEDNESDAY, APRIL 14 • 10:00 AM - 11:40 AM • 1200**1261. Geographies of Media I: Social Constructions (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)***Room: Congressional A, Omni Shoreham (Paper Session)*

ORGANIZER(S): James Craine, California State University Northridge; Cynthia Pope, Central Connecticut State University

CHAIR(S): Ann Oberhauser, West Virginia University

10:00 Aida Izadpanah Jahromi*, The Graduate Center, CUNY, *A critical analysis of the representation of children's experiences of war by the media and by humanitarian organizations.***10:20** Cynthia Pope, Ph.D.*, Central Connecticut State University, *The Revolution Will Be Twittered: The Gendered Politics of Cyberspace in Cuba.***10:40** John Carr, PhD, J.D.*, University of New Mexico; Elizabeth Dickinson, University of New Mexico; Sara L. McKinnon, PhD, University of New Mexico; Karma R. Chávez, PhD, University of New Mexico, *Microfinance/Microliberalism: The role of Internet enabled microfinance in scaling down neoliberal citizenship..***11:00** Emily Fekete*, Kent State University, *Communication, Space, and the Deaf: Geography in American Sign Language.***11:20** Ann Oberhauser*, West Virginia University, *Virtually Yours: Use of Communication Technology in Social Relationships.***1262. Contemporary perspectives on neoliberal policies, spatial polarization and housing policies in Mexico (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Latin America Specialty Group)***Room: Congressional B, Omni Shoreham (Paper Session)*

ORGANIZER(S): Patricia Olivera, Universidad Nacional Autónoma De México

CHAIR(S): Elizabeth Gutierrez, Universidad Nacional Autónoma De México

10:00 Jose Gasca Zamora*, Universidad Nacional Autónoma de México, *A balance of urban and regional restructuring in Mexico after twenty years of Neoliberal Policies.***10:15** Elizabeth Gutierrez*, Universidad Nacional Autónoma De México, *Labor flexibility in services: urban polarization and global competitiveness.***10:30** Patricia Olivera*, Universidad Nacional Autónoma De México, *Processes of Urban Fragmentation and Neoliberal Policies.***10:45** Rosalia Camacho*, Universidad Nacional Autónoma De México, *Neoliberal Restructuring of the Transportation System in Mexico City and the Production of Uneven Urban Spaces.***11:00** Bertha Rivera Varela*, Universidad Nacional Autónoma de México, *Fighting for the right to the city. Collective movements for the access to housing in the metropolitan area of Mexico City.***11:15** Gustavo Alberto López Escalante*, Universidad Nacional Autónoma De México; Gustavo Alberto López Escalante, Universidad Nacional Autónoma de México, *New urban and housing policies in central delegations of Mexico city.***1263. Metropolitan cities in processes of continentalised innovation 1 (Sponsored by Economic Geography Specialty Group)***Room: Council, Omni Shoreham (Paper Session)*

ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; Ulrich Hilpert

CHAIR(S): Ulrich Hilpert

10:00 Rupert Waters, Economic Research and Analysis Manager, Buckinghamshire CC; Helen Lawton Smith*, Birkbeck University of London, *The Highly Skilled in Peripheral Locations: Computer Science in East Anglia.***10:20** Kate Geddie*, University of Toronto, *Knowledge bases and labour market strategies: considerations among postgraduate students in London, UK.***10:40** Wei Xu*, University of Lethbridge, *The evolving geography of innovative labor markets in China.***11:00** Vijai Singh*, University of Pittsburgh; Christopher Briem*, University of Pittsburgh, *Network Migration Patterns of the Engineering and Scientific Workforce in the United States.*

Discussant(s): Max Nathan, London School of Economics

1264. Space and Spatiality in Theory 1*Room: Diplomat, Omni Shoreham (Paper Session)*

ORGANIZER(S): Peter Merriman, Aberystwyth University; Martin R. Jones, University of Wales, Aberystwyth

CHAIR(S): Peter Merriman, Aberystwyth University

10:00 Anssi Paasi*, University of Oulu, *'Boundedness' and regional spaces.***10:20** Jeff Malpas*, University of Tasmania, *Putting Space in Place.***10:40** Paul Harrison*, Department of Geography, Durham University, *'Alone to you alone': reflections of asymmetry..***11:00** Roland Lippuner*, University of Jena, *Space and social systems.***11:20** Martin Jones*, Aberystwyth University, *(Re) Theorizing Sociospatial Relations: Compossible and Impossible Geographies.***1265. Current Population Issues (Sponsored by Population Specialty Group)***Room: Director's, Omni Shoreham (Paper Session)*

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Suzanne Davies Withers, University of Washington

10:00 Magdalena Benza*, San Diego State University, *Household structure and fertility: a case study in West Africa.***10:20** Paul Boyle*, University of St Andrews, *The Effect of Family Migration on Women's Commutes.***10:40** Joseph J. Kerski*, ESRI, *Analyzing the Mean Center of State Population, 1900-2000.***11:00** David A. Plane*, University of Arizona, *Exploring the Patterns Exposed by, and Some Issues Connected with, the New American Community Survey (ACS) Migration Data.*

Discussant(s): Suzanne Davies Withers, University of Washington

1266. Advanced Placement Students' Conceptualizations of Human Geography Compared to College Students*Room: Embassy, Omni Shoreham (Panel Session)*

ORGANIZER(S): Barbara S. Hildebrant, Educational Testing Service

CHAIR(S): Barbara S. Hildebrant, Educational Testing Service

Discussant(s): Barbara S. Hildebrant, Educational Testing Service
Panelists: Sarah Witham Bednarz, Texas A&M University; Suzanne Struve, Blinn College; David A. Lanegran, Macalester College; Liliana Monk, Thomas S. Wootton High School

WEDNESDAY, APRIL 14 • 10:00 AM - 11:40 AM • 1200

- 1267. Case Studies in Climate Change Vulnerability Research (Sponsored by Applied Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Empire, Omni Shoreham* (Paper Session)
 ORGANIZER(S): James Ford; Robert McLeman, University of Ottawa
 CHAIR(S): Robert McLeman, University of Ottawa
10:00 James D Ford, PhD*, McGill University, *Case study meta-analyses to identify opportunities for climate change adaptation: Policy options for Canada's Inuit population.*
10:20 Graham McDowell*, McGill University; James D Ford, McGill University, *Real-time Monitoring of Climate Change Vulnerability and Adaptation of Inuit Hunters: The Iqaluit Land-Use Mapping Project.*
10:40 Maude Beaumier*, McGill University; James D. Ford, Dr, McGill University, *Food security of Inuit women in the context of a rapidly changing climate: A case study research with the community of Igloodik, Nunavut.*
11:00 Julia Laforge*, University of Ottawa, *Social Capital and Prairie Drought Migration in the 1930s.*
11:20 Robert McLeman, PhD*, Department of Geography, University of Ottawa, *Determinants of rural adaptation and migration under conditions of climatic stress: Lessons from five empirical studies in North America.*
- 1268. Politics of River Water Resources (Sponsored by Water Resources Specialty Group)**
Room: *Forum, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Sya Burynd Kedzior, University of Kentucky
 CHAIR(S): Sya Burynd Kedzior, University of Kentucky
10:00 Nga Dao*, York University; Nga Thi Viet Dao, York University, *Dams and their social impacts in Northwest Vietnam: a recent history and critical evaluation of resettlement policy.*
10:20 Suzanne Dallman, Ph.D.*, California State University - Long Beach, *Living within Our Means: Developing a Sustainable Water Budget for the Los Angeles Region.*
10:40 Pasi Nidhi*, SUNY-ESF; Richard Samrdon, PhD, Suny-ESF, *Interlinking of Rivers in India: a real oasis or a deceptive mirage?.*
- 1269. Amazonian Geographies (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group)**
Room: *Governor's, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Jacqueline Vadjunec, Oklahoma State University; Alyson L. Greiner, Oklahoma State University
 CHAIR(S): Jacqueline Vadjunec, Oklahoma State University
10:00 Sonja K. Pieck*, Bates College, *Nuestro Buen Vivir: Reconfiguring Nature and Citizenship in the Struggle over IIRSA.*
10:20 Laura H Mentore, PhD*, James Madison University, *Service provider or predatory ally? Guyana's forests according to indigenous and carbon market theories of value and agency.*
10:40 David S Salisbury*, University of Richmond; Jorge W Vela Alvarado, Universidad Nacional de Ucayali, *Transboundary Political Ecology in the Amazon Borderlands.*
11:00 Jacqueline Michelle Vadjunec, PhD*, Oklahoma State University; Marianne Schmink, PhD, University of Florida; Carlos Valerio Gomes, PhD, University of Florida, *Rubber tapper citizens: Emerging institutions, policies, and identities in Acre, Brazil.*
 Discussant(s): Susanna Hecht, University of California Los Angeles

- 1270. Topics in Geomorphology: Gullies and Landslides**
Room: *Hampton, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Tongxin Zhu, University of Minnesota
10:00 Thad Wasklewicz*, East Carolina University; Dennis Staley, Ph.D., USGS Landslide Hazards Program; Jeffrey Coe, Ph.D., USGS Landslide Hazards Program; Jason Kean, Ph.D., USGS Landslide Hazards Program; Scott McCoy, CIRES & Department of Geological Sciences, University of Colorado, Boulder, *Debris Flow Induced Changes in Channel Morphometry Obtained from Terrestrial Laser Scanning, Chalk Cliffs, CO.*
10:20 Andrew J Miller*, Miami University, *Assessing Landslide Susceptibility by Incorporating the Surface Cover Index as a Measurement of Vegetative Cover.*
10:40 John F. Shroder, Ph.D.*, University of Nebraska, *Slope Failure in Northeast Afghanistan.*
11:00 Tongxin Zhu*, University of Minnesota, *Gully Development and Mass Movements in the Loess Plateau of China.*
- 1272. Animal Geography in the Classroom (Sponsored by Animal Geography Specialty Group)**
Room: *Senate, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Julie Urbanik, University of Missouri Kansas City; Monica V Ogra, Gettysburg College
 CHAIR(S): Monica V Ogra, Gettysburg College
 Introducer: Monica V Ogra
 Panelists: Seth Baum, Pennsylvania State University; Lisa Naughton, University of Wisconsin; Harold Alan Perkins, Ohio University; Julie Urbanik, University of Missouri Kansas City; Robert Wilson, Syracuse University
- 1274. Altered States: Representing Geographic Realities**
Room: *Park Tower 8205, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jan Silberberger
10:00 Michael Dunbar*, Kent State University, *Examining Place Attachment to the Great Lakes.*
10:20 Jim Thatcher*, Penn State University, *Reclaiming Utopia: Arguing against "utopic" as pejorative.*
10:40 Jonas Larsen, Ph.D.*, Roskilde University, *The Life of Digital Photographs.*
11:00 Jan Silberberger*, University of Fribourg, *Architectural competitions and openness to unforeseen solutions.*
- 1275. Geomorphology: Arid Environments**
Room: *Park Tower 8211, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Andrew Yaszemski, United States Air Force
10:00 Christine M. Rodrigue*, California State University - Long Beach, *Detection of Secondary Craters to Improve Martian Surface Regionalization through the Crater Size-Frequency Distribution.*
10:20 Laity E Julie*, Dept of Geography, California State University Northridge; Nathan Bridges, Applied Physics Laboratory, *Sand abrasion on Earth and Mars: analytical, field, and laboratory studies.*
10:40 Patricia Mendoza Watson*, NASA, Washington DC, *Geography from the International Space Station.*
11:00 Andrew J. Yaszemski*, United States Air Force Academy, *Analysis of basalt weathering at El Malpais National Monument, New Mexico, USA.*

WEDNESDAY, APRIL 14 • 10:00 AM - 11:40 AM • 1200

1276. Commemorating Disasters in Metropolises: Space, Place and the Building of Collective Memories

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Julie Hernandez, Paris Ouest Nanterre

CHAIR(S): Sarah Mekdjian, University of Michigan

10:00 Julie H Hernandez*, Paris Ouest Nanterre, *Untold stories, ongoing disaster ? The conflicting memories of Katrina and their role in New Orleans' communities resilience..*

10:20 Sarah Mekdjian*, University of Michigan, *Controlling space through memory : the commemorations of the Armenian genocide in Los Angeles.*

10:40 Zach Hilpert, ABD*, College of William and Mary, *Constructing a Palatable Tragedy: The visual (re) making of the story of the 1889 Johnstown Flood.*

11:00 Nicole Maurantonio*, Northeastern University, *"The MOVE Subplot": Journalism, Race, and Memory.*

1278. Winds and Rains: Impacts

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Cassandra Hoch

10:00 Claudia K. Walters*, University of Michigan - Dearborn, *Investigating the Formation of Northerly Low-Level Jets.*

10:20 Ricardo Nogueira, PhD*, Louisiana State University; Barry Keim, PhD, Louisiana State University, *Tropical Cyclone Rainfall Over the Eastern United States: Annual Volume and Area Variations.*

10:40 Shouraseni Sen Roy*, University of Miami, *Role of NAO on regional level precipitation patterns over the Indian subcontinent.*

11:00 Michael Harrison*, University of Texas at San Antonio, *Assessing the impact of ENSO on pre-Colombian Polynesian migrations from Easter Island (Rapa Nui).*

11:20 Cassandra Hoch*, Western Michigan University, *Impacts of El Nino Southern Oscillation Phases on Fusarium Head Blight Disease of Wheat..*

1279. Biogeography: Measuring Spatial Distribution

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jahalel Lee Tuil, UC Davis

10:00 Kendra McLauchlan*, Kansas State University; Carolyn Ferguson, Kansas State University; Iris Wilson, Kansas State University; Troy Ocheltree, Kansas State University; Joseph Craine, Kansas State University, *Thirteen decades of foliar isotopes indicate declining nitrogen availability in central North American grasslands.*

10:20 Bhaskar Mitra*, Department of Geography, State University of New York, Buffalo; David Scott Mackay, Department of Geography, State University of New York, Buffalo; Elise Pendall, Department of Botany and Program in Ecology, University of Wyoming; Brent E. Ewers, Department of Botany and Program in Ecology, University of Wyoming, *Modeling the Spatial Distribution of Soil Respiration in a Sagebrush-Steppe Ecosystem.*

10:40 Youngsang Kwon*, SUNY - Buffalo, *Multi-source inventory method at hexagonal grid system using FIA and MODIS data sets..*

11:00 Jahalel Lee Tuil, M.A.*, UC Davis, *Capturing Remnant Woody Vegetation on the Valley Floor of Yolo County.*

1280. City Development: Cultivating a Sense of Place

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): David Wachsmuth, New York University

10:00 Leah DePriest*, Miami University, *The challenges of gauging and articulating local sense of place prior to downtown revitalization: A case study of Middletown, OH.*

10:20 Paul O'Hare*, University of Manchester, *The 'long-arm' of the supra-national state: Community-led regeneration in an era of multi-level governance.*

10:40 Aleksandra Ilicheva*, International society of juvenile delinquents, *Wild in the city: past, present, and future.*

11:00 Renee Thompson*, United States Geological Survey, *Relating Urban Land Cover to Population, Housing and Employment Data at Multiple Scales in the Chesapeake Bay Watershed.*

11:20 David Wachsmuth*, New York University, *City as Ideology: Technocracy and Everyday Life in the Contemporary Urban Region.*

1281. Migration and Europe

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Reuel Hanks, Oklahoma State University

10:00 Michal Meczynski*, Adam Mickiewicz University in Poznan, Poland, *Are post-socialist cities attractive to creative knowledge workers? The Polish case of the Poznan metropolitan region.*

10:20 Jean-Marc Zaninetti*, University of Orleans, France, CEDETE Institute, *How Immigration change the urban patterns around Paris.*

10:40 Glenda Garelli*, CUPPA, UIC, *Rom, Roma, Romani, Romania: Ideology of alliteration in Italian urban policies targeting Roma people..*

11:00 Reuel Hanks, Ph.D.*, Oklahoma State University; Bolat Tatibekov, Ph.D., Oklahoma State University, *Spatial Dynamics of Labor Migration in Contemporary Kazakhstan..*

WEDNESDAY, APRIL 14 • 11:50 AM - 12:30 PM • 1300

1351. Thomas Mesenbourg, Deputy Director, U.S. Census Bureau

Wednesday, April 14, 11:50 a.m. - 12:30 p.m.

Room: Washington Room 1, Marriott, Exhibition Level

Organized by: Douglas Richardson, Association of American Geographers

Chair: John S. Adams, University of Minnesota, Minneapolis

Introduction: Wei Li, Arizona State University

Speaker: **Thomas Mesenbourg**, Deputy Director, U.S. Census Bureau

Sponsored by: Population Specialty Group and Ethnic Geography Specialty Group

Immediately following Thomas Mesenbourg's plenary talk will be a special session featuring senior Census Bureau Officials.

WEDNESDAY, APRIL 14 • 12:40 PM - 2:20 PM • 1400

1404. Young People, Religion and Place II (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Peter E Hopkins, Newcastle University, UK

CHAIR(S): Peter E Hopkins, Newcastle University, UK

Introducer: Peter E Hopkins

12:45 Elizabeth A. Olson*, University of Edinburgh; Giselle Vincett, University of Edinburgh; Peter Hopkins, Newcastle University; Rachel Pain, Durham University, *Marginalized Spiritualities: Exploring the intersections between religious spaces and deprived places in the lives of young people.*

1:05 David J. Butler*, University College Cork (UCC), Ireland, *Constancy in the midst of change: Protestant youth networks in south-western Ireland.*

1:25 Jenny Russell, Dr, University of Ulster; Karen McPhillips, Dr*, University of Ulster, *The relationship between Children's Identity and Spatial Perception within the context of Religious Architecture in Northern Ireland..*

1:45 Justin Tse*, University of British Columbia, Department of Geography, *Silent Exodus or Second Wave? The Challenge of Young People and PRC Migrants in a Transnational Hongkonger Church.*

1405. Geographies of Dispossession (in the Middle East/Southwest Asia) (Sponsored by Socialist and Critical Geography Specialty Group, Asian Geography Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Mona Atia, George Washington University

CHAIR(S): Mona Atia, George Washington University

Panelists: Nell Gabiam, The University of Chicago; Ozan Karaman, University of Minnesota; Reecia Orzeck, University of Vermont; Brian Hawthorne

1411. End of the Dream? Perspectives on the Housing Crisis (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Nathan Hale, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Jeff Crump, University of Minnesota

CHAIR(S): Jeff Crump, University of Minnesota

Panelists: Jeff Crump, University of Minnesota; Richard A. Walker, University of California-Berkeley; Philip Ashton, University of Illinois-Chicago; Kathe Newman, Rutgers University; Daniel J. Hammel, University of Toledo

1419. Ethnic Diversity in Geography: Departmental Champions (Sponsored by Population Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Lawrence E. Estaville, Texas State University; John Frazier, Binghamton University

CHAIR(S): Lawrence E. Estaville, Texas State University

Panelists: Joe T. Darden, Michigan State University; Fenda A. Akiwumi, University of South Florida; Carlos Teixeira, University of British Columbia Okanagan

1423. Geographies of Drug Abuse

Room: Coolidge, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stephanie Wodarski, Emory University

12:40 Chris Dibben*, University of St Andrews; Iain Atherton, University of Stirling, *Does geographical remoteness offer a protective effect for substance misusers - an analysis of survival across Scotland..*

1:00 Dagmara Dzurova*, Charles University in Prague; Jana Spilkova, Charles University in Prague, *Health-related Behavior in the Czech Republic.*

1:20 Robert Lipton, Ph.D., MPH*, Beth Israel Deaconess Medical Center/Harvard Medical School; Xiaowen Yang, Ph.D., Beth Israel Deaconess Medical Center; Nina Joyce, MPH, Beth Israel Deaconess Medical Center, *The Geography of Violence, drug markets and alcohol outlets in Boston.*

1:40 Hannah LF Cooper, ScD, Rollins School of Public Health; Stephanie Wodarski*, Emory University; Emily Dauria, MPH, Emory University; Josalin Hunter-Jones, MSW, MPH, Emory; Loida Bonney, MD, MPH, Emory School of Medicine, *Public housing relocations: Changes in neighborhood conditions, and in alcohol and other drug abuse patterns.*

WEDNESDAY, APRIL 14 • 12:40 PM - 2:20 PM • 1400

1424. 'New Economic Spaces in Asian Cities'

Room: *Harding, Marriott, Mezzanine Level* (Paper Session)
ORGANIZER(S): Thomas A. Hutton, University of British Columbia
CHAIR(S): Peter W. Daniels, University of Birmingham
12:40 Kongchong HO*, National University of Singapore, *The cultural economy and the relayering of space in the city.*
1:00 Sheng Zhong*, University of British Columbia, *Spontaneously Grown or Deliberately Planned? A Comparative Analysis of Two Creative Industry Clusters in Shanghai.*
1:20 Ann Vogel, Dr. *, Singapore Management University, *Film festivals in Asian cities.*
1:40 Thomas A. Hutton*, University of British Columbia, *New Media and the New Vancouver.*
2:00 Namji Jung*, Cornell University, *New industry formation and the development of Kangnam, Seoul.*

1425. Teaching Geography 11-18: a conceptual approach

Room: *Hoover, Marriott, Mezzanine Level* (Panel Session)
ORGANIZER(S): David Lambert
CHAIR(S): Graham Butt
Introducer: David Lambert
Introducer: John Morgan
Discussant(s): Richard G. Boehm, Texas State University
Panelists: Sallie A. Marston, University of Arizona; Michael N. Solem, Association of American Geographers; Rob Kitchin, National University of Ireland; Mary Biddulph

1426. Theoretical Interventions: Writing Across Ism's (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group)

Room: *Jackson, Marriott, Mezzanine Level* (Panel Session)
ORGANIZER(S): Kathryn Wells, Syracuse University; Kate Coddington Senner, Syracuse University
CHAIR(S): Kathryn Wells, Syracuse University
Discussant(s): Matthew G. Hannah, Aberystwyth University
Panelists: Wendy Lerner, University of Bristol; Beverley Mullings, Syracuse University; Jen Giesekeing, CUNY - Graduate Center; George L. Henderson, University of Minnesota

1427. Theorizing Petro-capitalism II: Oil, Accumulation, Struggle (Sponsored by Socialist and Critical Geography Specialty Group, Energy and Environment Specialty Group)

Room: *Jefferson, Marriott, Mezzanine Level* (Paper Session)
ORGANIZER(S): Matthew Huber, Syracuse University; Byron A. Miller, University of Calgary
CHAIR(S): Byron A. Miller, University of Calgary
12:40 Elvin E. Delgado, Doctoral Candidate*, Syracuse University, *Petro-Capitalism: Geographical Asymmetries of Salt Production for Petrochemical Industries and the Effects on the Community of Fishermen in Ancon de Iturre, Venezuela..*
1:00 Randolph Haluza-DeLay, PhD*, The King's University College; Michael Ferber, The King's University College, *Giving Consent in the Petrostate: Hegemony and Alberta tarsands.*
1:20 Philippe Le Billon*, University of British Columbia, *Securing the Tar Sands: Western Canada, Energy Supply, and 'Ecoterrorism' in the Anthropocene.*
1:40 Angela V. Carter*, Cornell University & Memorial University (Grenfell College), *Explaining Environmental Regulation in Petro-States: Petro-Politics in Alberta's Tar Sands.*
2:00 Derik Andreoli, Ph.C. *, University of Washington, Seattle, *Peak Oil and Declining EROEI: Political implications of the revision of the concept of 'scarcity'.*

1428. Biogeography Specialty Group Masters and Undergraduate Student Paper Competition (Sponsored by Biogeography Specialty Group)

Room: *Johnson, Marriott, Mezzanine Level* (Paper Session)
ORGANIZER(S): Gabrielle L. Katz
CHAIR(S): Gabrielle L. Katz
12:40 Brian J. Harvey*, San Francisco State University; Barbara A. Holzman, Ph.D, San Francisco State University, *Post-Fire Stand Dynamics in a Pinus muricata Forest (1995-2009).*
1:00 Andrew Keske*, Student/Brigham Young University BYU, *Chronology of the Loafer Mountain Avalanche Path, Wasatch Mountains, Utah.*
1:20 Philip B. White*, Appalachian State University Dept. of Geography and Planning; Saskia L. van de Gevel, PhD, Appalachian State University Dept. of Geography and Planning; Peter T. Soule, PhD, Appalachian State University Dept. of Geography and Planning, *The roles of climate and stand dynamics in a post-disturbance red spruce-Fraser fir forest at Roan Mountain, Cherokee and Pisgah National Forests.*
1:40 Matthew C Kwit*, Northern Illinois University; David Goldblum, Northern Illinois University; Lesley Rigg, Northern Illinois University, *Sugar maple leaf phenology, light levels, carbon gain, and regeneration at and north of the current range limit.*
2:00 Terri Stamper*, University of Idaho; Jeffrey A. Hicke, University of Idaho, *Assessing changes in land management status in the southwestern United States over a 10-15 year time span.*

1431. Geographies of Exclusion in Europe (Sponsored by Russian, Central Eurasian, and East European Specialty Group, European Specialty Group, Population Specialty Group)

Room: *Marriott Ballroom Balcony C, Marriott, Mezzanine Level* (Paper Session)
ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee
CHAIR(S): Toby Applegate, Rutgers, The State University of New Jersey
12:40 Hannah White*, University of Bristol, *Community Cohesion; assimilation or integration?.*
1:00 Thea Dukes, PhD*, University of Amsterdam, *Diversity, Identity and Social Cohesion.*
1:20 Jurgen Von Mahs*, The New School, *Down and Out in Berlin? The Impact of Scale, Space, and Power on Excluding Homeless People.*
Discussant(s): Toby Applegate, Rutgers, The State University of New Jersey

WEDNESDAY, APRIL 14 • 12:40 PM - 2:20 PM • 1400**1432. Geographies of Aging, Health Care, Promotion, and Community Development (Sponsored by Health and Medical Geography Specialty Group)**

Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Mark W. Rosenberg, Queen's University
CHAIR(S): Mark W. Rosenberg, Queen's University

12:40 Mark W. Rosenberg, Ph.D.*, Queen's University; Melanie Josee Davidson, Queen's University, *Measuring the Geography of Economic Dependency among the Ontario Older Population in the 21st Century*.

1:00 Natalie Waldbrook, Ph.D. Candidate*, Queen's University; Janette Brual, Ph.D. Candidate, Queen's University; Mark W. Rosenberg, Queen's University, *Analysing the Role of the Older Population in Community Development: A Qualitative Case Study*.

1:20 Yang Cheng*, Department of Geography, Queen's University; Mark Rosenberg, Department of Geography, Queen's University, *Health risks and response to vulnerable populations in Beijing, China*.

1:40 Sarah A Lovell*, University of Otago, *Public Health and the Reform Agenda: Community resilience and vulnerability*.

1433. Critical Perspectives on Ecological and Environmental Knowledge(s) I: (Re-)constructing Expertise and Education (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: *McKinley, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Sya Buryu Kedzior, University of Kentucky; Garrett Graddy, University of Kentucky

CHAIR(S): Garrett Graddy, University of Kentucky

12:40 Nancy Rich, PhD Candidate, Environmental Studies*, Antioch University New England, *Challenges and Pathways: Native American Perspectives in Undergraduate Environmental Studies Programs*.

1:00 Rebecca Lave*, Indiana University Dept of Geography, *Producing environmental knowledge in all the wrong places*.

1:20 David Meek*, University of Georgia, *Pedagogies of Brazil's Landless: Towards a Political Ecology of Education*.

1:40 Jairus Rossi*, University of Kentucky; Brian Grabbatin*, University of Kentucky, *Political Ecology of Equilibrium and Conservation: Does Management Based on Nonequilibrium Ecology Encourage Local Environmental Knowledge?*.

2:00 Consuelo Guayara*, University of Iowa, *Local environmental researchers and traditional ecological knowledge in the Amazon*.

1434. Geomorphology and Environmental change on the Tibetan Plateau-II (Sponsored by Paleoenvironmental Change Specialty Group, China Specialty Group, Geomorphology Specialty Group)

Room: *Taft, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Yingkui Li, University of Missouri-Columbia; Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

CHAIR(S): Chaolu Yi, Institute of Tibetan Plateau Research, Chinese Academy of Sciences

12:40 Yongqiu Wu*, State Key Laboratory of Earth Surface Processes and Resource Ecology, BNU; Yinghua Zheng, State Key Laboratory of Earth Surface Processes and Resource Ecology, BNU, *Study of process of aeolian activities since 6.7 ka B.P. in Gonghe Basin, Qinghai-Tibet Plateau, China*.

1:00 Ming Jian Wei*, Resources Environment & GIS Key Lab of Beijing; Jun Ping Wang, Resources Environment & GIS Key Lab of Beijing; Rui Zhou, Resources Environment & GIS Key Lab of Beijing; Fei Chen, Resources Environment & GIS Key Lab of Beijing, *The Variation History of Tertiary Vegetation And The Height of The Tibet Plateau*.

1:20 Yingkui Li*, University of Tennessee, Knoxville, TN 37996; Dewen Li, China Earthquake Disaster Prevention Center, Beijing, 100029, China; Baoqi Ma, Institute of Crustal Dynamics, Chinese Earthquake Administration, Beijing, 100085, China; Guocheng Dong, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, 100085, China; Liqiang Wang, Institute of Tibetan Plateau Research, Chinese Academy of Sciences, Beijing, 100085, China; Junxiang Zhao, Institute of Crustal Dynamics, Chinese Earthquake Administration, Beijing, 100085, China, *Optically stimulated luminescence dating of beach ridges of Selin Co (Lake), Central Tibet, and its environmental implications*.

1435. Civil and Community participation in China (Sponsored by Political Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)

Room: *Taylor, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Yu Zhou, Vassar College

CHAIR(S): Alana Boland, University of Toronto

12:40 Brittany Crow*, University of California, Los Angeles, *Social Responses to Environmental Pollution in China: The Role of Institutional Context*.

1:00 Leqian Yu*, University of Toronto, *Social Standards and Daily Practice of Microcredit Programs: A Case Study in Inner Mongolia, China*.

1:20 Wei Shui*, Western Michigan University, *A study on the effect factors of community participation in tourism: Based on the logistic regression analysis of Xingwen World Geopark*.

1:40 Chao Wang*, Geography & Planning Department, University of Toronto, *NGOs' engagement in the Sichuan earthquake relief*.

2:00 Chun Zhang, phd candidate*, Peking University, *Un-gating the gated work unit community in transitional urban China: A case study from Beijing*.

1440. Increasing segregation or convivial multicultural? Old/new narratives in race and ethnicity debates. II (Sponsored by Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: *Truman, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Allan Cochrane, Open University; Sarah Neal, Open University

CHAIR(S): Sarah Neal, Open University

12:40 Lawrence A. Brown*, Ohio State University; Michael Webb, Ohio State University, *Housing Policy and Neighborhoods: The American Dream Writ Local??*.

1:00 Benjamin Cheng*, University of Illinois at Urbana-Champaign, *Questions of inclusion and exclusion in the new ethnic suburb: A study of local governance in Skokie, IL*.

1:20 Linda S. Fair, Ph.D.*, Binghamton University Department of Geography, *Who is a Dane? Race and ethnicity in Denmark*.

1:40 Jennifer Kopf*, Friedrich Schiller Universitaet, Berlin *Celebrates Difference*.

Discussant(s): Allan Cochrane, Open University

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1441. German Cities in the World City Network 1 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Stefan Lüthi, Technische Universität München; Michael Hoyler, Loughborough University
 CHAIR(S): Alain Thierstein, Munich University of Technology
12:40 Peter J. Taylor*, Loughborough University, *Morgenthau, Marshall and Jacobs: a Geohistorical Overview German Cities in the World-economy.*
1:00 Michael Hoyler*, Loughborough University, *External relations of German cities through intra-firm networks - a global perspective.*
1:20 Stefan Lüthi*, Technische Universität München; Alain Thierstein*, Munich University of Technology; Michael Bentlage, Technische Universität München, *Interlocking firm networks in the German knowledge economy. On local networks and global connectivity..*
1:40 Anna Growe*, TU Dortmund; Hans H. Blotevogel, TU Dortmund, *Metropolitan hubs in organizational networks.*
 Discussant(s): Frank Witlox, Ghent University

1446. CITY Keynote Lecture: From Critical Urban Theory to the Right to the City

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Bob Catterall
 CHAIR(S): Bob Catterall
12:40 Peter Marcuse, PhD, FAICP*, Columbia University, *From Critical Urban Theory to the Right to the City.*

1447. Writing Successfully for the Journal of Geography in Higher Education (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT))

Room: Lincoln Room 3, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Derek France, University of Chester
 CHAIR(S): Derek France, University of Chester
 Introducer: Derek France
 Panelists: Robert S. Bednarz, Texas A&M University; Eric J. Fournier, Samford University; Janet Stuhrenberg Smith, Shippensburg University; David DiBiase, Penn State University; Derek France, University of Chester

1448. The European / Post-Soviet City: Identity, Memory, Symbolism, and Politics II (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Joshua Hagen, Marshall University; Paul Stangl, Western Washington University
 CHAIR(S): John C. Western, Syracuse University
12:40 Julia Lossau*, Humboldt-Universität Zu Berlin, *"But what will become of it?": Tempelhof Airport as a site of conflict in Post-Unification Berlin.*
1:00 Gerhard Hatz*, Department of Geography, University of Vienna, *The hegemony of cultural identity. Cultural performance as a means of power and control in the historic city center of Vienna..*
1:20 Nuala C. Johnson, Dr*, Queen's University, Belfast, *Science in the City: the botanic garden as a site of education and entertainment.*
1:40 Meagan Todd*, University of Kentucky, *Localization of Islam in Astrakhan, Russia.*
2:00 Maoz Azaryahu*, University of Haifa, *The Politics of Street Names: Berlin 1945-1951.*

1449. Topics in Rural Geography II

Room: Lincoln Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Steven Fuller, Michigan State University
12:40 Igal Charney*, University of Haifa; Michal Palgi, University of Haifa, *Motivations and constraints for moving to distant rural communities: rural gentrification in borderland kibbutzim?.*
1:00 Ho-Chia Chueh*, National Taiwan University, *Rurality of Taiwan: traumatic modernity.*
1:20 Ignacio Carranza-Cerda*, Colegio de Postgraduados, *The Role of Capitals in the Promotion of Sustainable Community Microfinance Organizations.*
1:40 Sen Sucharita*, Jawaharlal Nehru University, *Survival of Participatory Institutions in Natural Resource Management Project: Evidence from Four Major States in India.*
2:00 Steven P Fuller*, Michigan State University, *Contested Perceptions of Community between Permanent Residents and Seasonal Home Owners in the Adirondack Park, New York.*

1450. Participatory Governance via Web 2.0 II (Sponsored by Geographic Information Science and Systems Specialty Group, Canadian Studies Specialty Group)

Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Renee Sieber, McGill University
 CHAIR(S): Renee Sieber, McGill University
12:40 Britta Ricker*, Simon Fraser University; Nick Hedley, PhD, Simon Fraser University, *The potentials for mobile geospatial platforms to enhance participatory governance and education.*
1:00 Pamela Robinson, Associate Professor, MCIP RPP*, School of Urban and Regional Planning; H. Nicholas Weigeldt, School of Urban and Regional Planning, Ryerson University, *Can the Crowd Infiltrate the Profession?: A preliminary analytic framework to assess the actual potential of web 2.0 tools to impact formal land use planning processes..*
1:20 Renee Sieber*, McGill University; Hanif Rahemtulla, McGill University, *Participatory Governance: Moving from PPGIS to the Participatory Geoweb.*
1:40 Alan McConchie*, University of British Columbia; Brian Klinkenberg, University of British Columbia, *Social Implications of the Participatory Geoweb.*
 Discussant(s): Jon Corbett, University of British Columbia-Okanagan

1451. Census Bureau Panel Session

Room: Washington Room 1, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Douglas Richardson, Association of American Geographers
 CHAIR(S): Douglas Richardson, Association of American Geographers
 Panelists: Michael Ratcliffe, U.S. Bureau Of the Census; Timothy F. Trainor, U.S. Bureau Of the Census; James D. Fitzsimmons, U.S. Census Bureau; Nancy K. Torrieri, U.S. Bureau Of the Census

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- 1452. Coupled Human and Natural Systems (CHANS): Land change analysis integrating maps and local knowledge (Sponsored by Spatial Analysis and Modeling Specialty Group, Historical Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Washington Room 2, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Robert Gilmore Pontius, Clark University; William J. McConnell, Michigan State University
 CHAIR(S): Nathan F. Sayre, University of California, Berkeley
12:40 Robert Gilmore Pontius, Jr.*, Clark University; Gary Kofinas, University of Alaska / Fairbanks, *Methods for cross-site comparison of land change: Maps and Locals (MALS)*.
1:00 Safaa Z Aldwaik*, Clark University; Robert Gilmore Pontius Jr, Clark University, *Identifying Stationarity of Transitions Among Land Categories Over Time for Cross-site Comparison*.
1:20 Daniel Runfola*, Clark University; Merryl Alber, PhD, University of Georgia; Robert Pontius, PhD, Clark University, *Important considerations for methods of land change analysis across sites*.
1:40 Nathan F. Sayre*, University of California, Berkeley; Gary Kofinas, University of Alaska-Fairbanks, *Cross-site comparison in Long Term Social-Ecological Research: Identifying scales and processes through maps and local knowledge*.
 Discussant(s): William J. McConnell, Michigan State University
- 1453. Emerging Trends in Geographic Data Analysis for Population Characterization II (Sponsored by Population Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)**
Room: *Washington Room 3, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Amy Rose, Oak Ridge National Laboratory
 CHAIR(S): Eddie Bright, Oak Ridge National Laboratory
12:40 Jessica J Moehl*, Oak Ridge National Laboratory; Eddie A Bright, Oak Ridge National Laboratory; Budhendra L. Bhaduri, Oak Ridge National Laboratory, *Seasonal Population Variations and Migrant Workers*.
1:00 Matthew Whitehead*, Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory; Budhendra L. Bhaduri, Oak Ridge National Laboratory, *Seasonal population distribution modeling of National Parks*.
1:20 Kelly Sims*, Oak Ridge National Laboratory; Budhendra L. Bhaduri, Dr., Oak Ridge National Laboratory; Eddie Bright, Oak Ridge National Laboratory, *Seasonal Population Variations in Popular U.S. Cities*.
1:40 Linda Sylvester*, Oak Ridge National Lab; Budhendra L. Bhaduri, Dr., Oak Ridge National Lab; Eddie Bright, Oak Ridge National Lab, *Assessment and Validation of Hospital Occupancy Models for Use in LandScan*.
- 1454. Postcoloniality and power: a tribute to James Duncan (Sponsored by Cultural Geography Specialty Group)**
Room: *Washington Room 4, Marriott, Exhibition Level (Panel Session)*
 ORGANIZER(S): David Nally, University of Cambridge; Mitch Rose, University of Hull
 CHAIR(S): David Nally, University of Cambridge
 Panelists: Michael Heffernan, University of Nottingham; Tariq Jazeel, University of Sheffield; Ulf Strohmayer, University of Ireland Galway; James Duncan, Cambridge University
- 1455. Carbon economy: assessing the impact of carbon markets and green jobs (Sponsored by Economic Geography Specialty Group, Energy and Environment Specialty Group)**
Room: *Washington Room 5, Marriott Exhibition Level (Paper Session)*
 ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology
 CHAIR(S): Janelle Knox-Hayes, Georgia Institute of Technology
12:40 Arno Simons*, Technische Universität Berlin; Jan-Peter Voß, Technische Universität Berlin, *What drives the carbon economy?*.
1:00 Janelle Knox-Hayes, PhD*, Georgia Institute of Technology; David Levy, PhD, University of Massachusetts, Boston, *The Politics of Carbon Disclosure: Governance, Institutions and Materiality*.
1:20 Erik Stam*, Utrecht University, *Entrepreneurship, Evolution and Geography*.
1:40 Adam G Bumpus*, University of British Columbia, *The governance of carbon in North America: non-nation state actors, authority and the emergence of North American carbon markets*.
2:00 Barbara Haya*, University of California at Berkeley, *The Kyoto Protocol's Clean Development Mechanism: Trading in Fake Carbon Credits*.
- 1456. Analysis of Multi-temporal Remotely Sensed Data: Methods and Applications (I) (Sponsored by Spatial Analysis and Modeling Specialty Group, Remote Sensing Specialty Group)**
Room: *Blue Room, Omni Shoreham (Paper Session)*
 ORGANIZER(S): Desheng Liu, The Ohio State University
 CHAIR(S): Desheng Liu, The Ohio State University
12:40 Peter Horvath*, University at Buffalo -- Geography Department, *Filling the Void: Kalman Filter-Inspired Space-Time Modeling to Fill the Gaps of Landsat 7's ETM+ Imagery*.
1:00 Fei Wang*, Nina Lam, *Detecting the Processes of Land-Cover Land-Use Change: A Genetic Petri Net Based Approach*.
1:20 George Xian*, ARTS/USGS EROS; Collin Homer, USGS EROS, *Updating the 2001 National Land Cover Database Tree Canopy Product to 2006 - A Multi-temporal and Multi-spectral Remote Sensing Approach*.
1:40 Jonathan M Hanes*, University of Wisconsin-Milwaukee; Mark D. Schwartz, University of Wisconsin-Milwaukee, *Using a satellite-derived canopy growth model to assess the potential future effects of climate change on spring phenology in a mixed forest*.
2:00 Shanshan Cai*, The Ohio State University; Desheng Liu, The Ohio State University, *Mapping long term land-cover change trajectory using spatial-temporal classification of multi-temporal Landsat images*.
- 1457. The securitization of migration: border enforcement, detention, and local policing at the boundaries of neoliberalism I (Sponsored by Political Geography Specialty Group)**
Room: *Cabinet, Omni Shoreham (Paper Session)*
 ORGANIZER(S): Nancy A. Hiemstra, Syracuse University; Alison Mountz, Syracuse University
 CHAIR(S): Nancy A. Hiemstra, Syracuse University
12:40 Andrew David Burridge, Ph.D*, University of Southern California; Michael J Dear, University of California, Berkeley, *Spatial knowledge and the production of place in the U.S.-Mexico borderlands: provision and criminalization of humanitarian aid on Buenos Aires National Wildlife Refuge*.
1:00 Eunyong Christina Choi*, Syracuse University, *Everyday Practices of "Bordering" and The Threatened Bodies of Undocumented North Korean Border-Crossers*.
1:20 Alison Mountz*, Harvard University, *Specters at the port of entry: the ontology of exclusion*.
 Discussant(s): Joseph Nevins, Vassar College

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1458. People, Livestock and the Environment I (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Calvert, Omni Shoreham (Paper Session)

ORGANIZER(S): Bilal Butt, University of Wisconsin - Madison; Abigail Neely, University of Wisconsin - Madison

CHAIR(S): Bilal Butt, University of Wisconsin - Madison

12:40 Abigail Neely*, University of Wisconsin - Madison, *Hlonipa or Health?: The Contested Place of Livestock in mid-Twentieth Century Pholela.*

12:56 Pratyusha Basu*, University of South Florida, Tampa, *Settling for Productivity: Encounters between Farmers and Nomadic Herders in Western India.*

1:12 Crystal L Fortwangler*, Oberlin College, *Landscapes for Livestock: People, Cattle and Parks in the US Virgin Islands.*

1:28 Andrew James Newsham, PhD, MSc(R), BA*, University of Oxford, *Changes in livestock farming practice in Northern Namibia 1915-1990.*

1:44 Bilal Butt*, University of Wisconsin - Madison, *Pastoral resource access and utilization in southern Kenya.*

Discussant(s): Thomas J. Bassett, University of Illinois

1459. Firms, economies and communities 1

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): James Faulconbridge, Lancaster University; Andrew Jones, Birkbeck, University of London

CHAIR(S): James Faulconbridge, Lancaster University

12:40 Andrew Jones*, Birkbeck, University of London, *Reframing the Spatiality of Practice Communities.*

1:00 Daniel Faeh*, University of Berne, Switzerland, *Markets, Value Chains and Upgrading in Developing Industrial Clusters: a Case Study of the Narrow Fabrics Industry in Yiwu, Zhejiang Province, P.R. China.*

1:20 Jerker Moodysson*, CIRCLE, Lund University, Sweden, *Knowledge communities and regional innovation systems: on the impact of policy on inter-organizational networks.*

1:40 Josephine V. Rekers*, University of Toronto, *Market development through communities.*

Discussant(s): Melanie Feakins

1460. Migration and Identity: Canada

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Susan Hardwick, University of Oregon

12:40 Frederic Dejean*, Paris Ouest Nanterre La Défense and INRS-UCS, *The precarious position of the Evangelical and Pentecostal communities: a study of Evangelical and Pentecostal places of worship in Paris and Montreal.*

1:00 Michelle D Majeed*, University of Toronto, *Bridging the Gaps and Filling in the Holes: Transnational Spaces, Social Networks and Health in Indo-Guyanese Communities.*

1:20 Kay-Ann Williams*, Queen's University, *Rethinking the political action of skilled immigrants in Canada.*

1:40 R Alan Walks*, University of Toronto, *Neoliberal Restructuring, Urban Governance and Place Inequality in Canada's Metropolitan Areas: An Empirical Examination.*

2:00 Susan Hardwick*, University of Oregon; Jack Jedwab, Association for Canadian Studies, *Bi-National Poll on Geographic Knowledge, Immigration and Integration, and National Identity in Canada and the United States.*

1461. Geographies of Media II: Film City I: re/presenting the city in film (Sponsored by Communication Geography Specialty Group)

Room: Congressional A, Omni Shoreham (Paper Session)

ORGANIZER(S): Amy Cervenak, University of Toronto

CHAIR(S): Amy Cervenak, University of Toronto

12:40 Bertrand PLEVEN*, Laboratoire EGHO Paris 1 Pantheon-Sorbonne, *The shape of love : cinematic geographies in Paris, je t'aime(2005) and in New York I love you (2009)..*

1:00 Anne E. Mosher, Ph. D*, Syracuse University, *Urban Imaginaries and the Disney/Pixar Canon of Feature-Length Film: "Cars" as a Neoliberal Swansong?.*

1:20 Eleonora Mastropietro*, Università Degli Studi Di Milano, *Visible and invisible transformation of the Italian urban landscape in filmic representation.*

1:40 Ann Fletcher*, Western Carolina University, *Locating Hollywood in The Hills.*

2:00 Brendan Kredell*, Northwestern University, *Reconsidering the "Black Mecca": A Reading of Madea's Atlanta.*

1462. Beyond Sustainability: On Demanding a Politics of Just Sustainable Development (Session I: Critiques and Conceptual Interventions) (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Congressional B, Omni Shoreham (Paper Session)

ORGANIZER(S): Joseph Pierce, Clark University; Rob Krueger, Worcester Polytechnic Institute

CHAIR(S): Charlyn Pearsall, Temple University

12:40 Mark Davidson*, Graduate School of Geography, Clark University, *Will a socially just sustainability become truth? Examining the political limits of an exemplar.*

12:56 Stijn Oosterlynck*, KU Leuven; Erik Swyngedouw, Manchester University, *Depoliticizing Noise: The post-political failure of negotiating night noise in Brussels Region.*

1:12 Joseph Pierce*, Clark University, *Urban sustainability, practice, and the scalar problem of injustice.*

1:28 Julian Agyeman*, Tufts University; Jesse C McEntee, Cardiff University, *Spatially Just Sustainability.*

1:44 Gordon Walker, professor*, Lancaster University, *Energy, vulnerability and environmental justice: working with rights and entitlements in sustainability transitions.*

2:00 Filippo Celata*, University of Roma "la Sapienza"; Venere Stefania Sanna, Institute for Sustainable Development, Oxford Brookes University, UK, *Sustainability, social justice and the post-political condition in the Galapagos islands.*

1463. Metropolitan cities in processes of continentalised innovation 2 (Sponsored by Economic Geography Specialty Group)

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Helen Lawton Smith, Birkbeck University of London; Ulrich Hilpert

CHAIR(S): Helen Lawton Smith, Birkbeck University of London

12:40 Ulrich Hilpert*, *The role of networked innovative labour markets for continental systems of innovation.*

1:00 Michaela Trippel*, Vienna University of Economics and Business, *Islands of Innovation and Internationally Networked Labor Markets: Magnetic Centers for Star Scientists?.*

1:20 Neil Lee, London School of Economics; Max Nathan*, London School of Economics, *Cultural Diversity and Innovation in London: Evidence from firm level data.*

1:40 Yasuyuki Motoyama*, UC, Santa Barbara, *The Mechanism of Creating Innovation and the Metropolitan Region.*

Discussant(s): Christopher Briem, University of Pittsburgh

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1464. Space and Spatiality in Theory 2

Room: *Diplomat, Omni Shoreham* (Paper Session)

ORGANIZER(S): Peter Merriman, Aberystwyth University;

Martin R. Jones, University of Wales, Aberystwyth

CHAIR(S): Martin R. Jones, University of Wales, Aberystwyth

12:40 Christian Abrahamsson*, University of British Columbia;

Christian Abrahamsson, University of British Columbia, *Spaces of Experimentation in the Human Sciences*.

1:00 John Wylie, Dr*, University of Exeter, *Thinking absence and distance: on Nancy's "Uncanny Landscape"*.

1:20 Peter Merriman*, Aberystwyth University, *Unpicking space-time: towards new apprehensions of movement-space*.

1:40 Jessica Dubow*, University of Sheffield, U.K., *A Therapeutic of Exile: Isaiah Berlin, Assimilation and Negative Liberty*.

2:00 Alexander P. Vasudevan, Dr.*, University of Nottingham, *Adorno's Dissonant Geographies: Spatial Critique and Negative Dialectics*.

1465. Opium Poppy 1: Opium poppy in the Modern Age: Myths, fears and a way forward (Sponsored by Spatial Analysis and Modeling Specialty Group, Rural Geography Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: *Director's, Omni Shoreham* (Paper Session)

ORGANIZER(S): Allison Brown, University of Mass.

CHAIR(S): Allison Brown, University of Mass.

12:40 Dan Choffines*, Carthage College, *From the Silk Road to Tiananmen Square: The Three Phases of Opium in China*.

1:00 Kyle Thomas Evered*, Michigan State University, *Oral Histories of Opium Poppy Eradication and Licit Reintroduction: Learning from the Experiences of Turkish Farmers*.

1:20 Allison Brown*, University of Mass., *Lessons learned or ignored? A comparison of opium control programs in Thailand, Burma, Laos and Afghanistan*.

1466. The Mobility of Children and Youth: Current Research and Nascent Themes (Session I) (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group, Disability Specialty Group)

Room: *Embassy, Omni Shoreham* (Paper Session)

ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro; Ron N Buliung, Department of Geography, University of Toronto at Mississauga

CHAIR(S): Ron N Buliung, Department of Geography, University of Toronto at Mississauga

12:40 Ralph Buehler*, Virginia Tech, Urban Affairs and Planning; Tobias Kuhnimhof, Institute for Transport Studies, University of Karlsruhe, *Emancipation from the Automobile? New Travel Trends among Young Germans*.

1:00 Renaud Watel*, Paris I Panthéon Sorbonne, *Childhood Obesity and Personal Mobility in Europe*.

1:20 Helen Scott, PhD*, Bloorview Research Institute; Patricia McKeever, PhD, Bloorview Research Institute; Henna Aslam, MPH, Bloorview Research Institute; Lindsay Stephens, PhD (Candidate), University of Toronto; Claire Major, PhD (Candidate), York University, *School, Home and Neighbourhood Accessibility: Physically-Disabled Children's Assessments (SchAn Project)*.

1:40 Guy Faulkner, PhD*, University of Toronto; Vanessa Richichi, MSc, University of Toronto; Ron Buliung, PhD, University of Toronto; Caroline Fusco, PhD, University of Toronto; Fiona Moola, MSc, University of Toronto, *Project BEAT: Ways of seeing Active School Transport and the Built Environment*.

2:00 Paul Tranter*, University of New South Wales, *A monster problem or child's play? peak oil, active travel and child friendly cities*.

1467. Interdisciplinary perspectives on environmental justice in New Mexico (Sponsored by Water Resources Specialty Group, Cultural and Political Ecology Specialty Group)

Room: *Empire, Omni Shoreham* (Paper Session)

ORGANIZER(S): Eric P Perramond, Colorado College

CHAIR(S): Eric P Perramond, Colorado College

Introducer: Eric P Perramond

12:42 David Correia*, University of New Mexico, *From Yellow Earth to Rare Earth: Planning, Property and the Neoliberal Shift in the Struggle for New Mexico's Land Grants*.

12:57 Melanie A. Stansbury*, Cornell University, *La Tierra es La Madre, el Agua es La Sangre: Mediating Water, Place, and Meaning in Watershed Conflicts*.

1:12 Vanessa Mazal, MA, Ph.C*, University of Washington, *Lessons in Adaptive Water Governance from Northern New Mexico*.

1:27 Eric P Perramond*, Colorado College, *Water rights adjudications and acequia governance in New Mexico*.
Discussant(s): Jon Kosek

1468. Hazards, GIS, and Remote Sensing 1: Modeling Risk and Vulnerability (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards Specialty Group, Remote Sensing Specialty Group)

Room: *Forum, Omni Shoreham* (Paper Session)

ORGANIZER(S): Rutherford V. Platt, Gettysburg College; Michael E. Hodgson, University of South Carolina

CHAIR(S): Tom Cova, University of Utah

12:40 F Benjamin Zhan, Professor*, Texas State University-San Marcos; Yiqing Zhu, Professor, Second Crust Monitoring and Application Center, China Earthquake Administration, XiAn, China, *Earthquakes Can be Forecasted*.

1:00 Xingong Li*, Department of Geography, University of Kansas, *Delineating Potentially Inundated Areas from Sea Level Rise with Tiled DEMs*.

1:20 Bandana Kar*, University of Southern Mississippi, *What is the Relationship between Socio-Physical Vulnerability and Financial Loss?*.

1:40 Rutherford V. Platt, Ph.D.*, Gettysburg College, *The Wildfire Risk Trajectory of Exurban Development in the Colorado Front Range*.

2:00 Tom Cova*, University of Utah; David M. Theobald, Colorado State University; John B. Norman III, Colorado State University, *Mapping Wildfire Evacuation Vulnerability in the West*.

WEDNESDAY, APRIL 14 • 12:40 PM - 2:20 PM • 1400

1469. Gender and Climate Change: Pitfalls, Possibilities and Realities (I) (Sponsored by Development Geographies Specialty Group, Geographic Perspectives on Women Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Governor's, Omni Shoreham (Paper Session)

ORGANIZER(S): Farhana Sultana, Syracuse University; Joni Seager, Bentley University

CHAIR(S): Farhana Sultana, Syracuse University

12:40 Joni Seager*, Bentley University, *Death by Degrees: Taking a Feminist Hard Look at Climate Change Targets.*

1:00 Joane Nagel*, University of Kansas, *Masculinity and the Militarization of Global Climate Change.*

1:20 Stephanie Buechler, PhD*, School of Geography and Development University of Arizona, *Climate Change, Water Scarcity and the Making of Place Gender and Agricultural Processing near the Mexico-U.S. Border.*

1:40 Beth Bee*, Pennsylvania State University, *Vulnerability and change: Women's adaptive capacities in central Mexico.*

1470. Vegetation Dynamics I (Sponsored by Biogeography Specialty Group)

Room: Hampton, Omni Shoreham (Paper Session)

ORGANIZER(S): Daehyun Kim, University of Kentucky

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

12:40 Sheila A Kazar*, Slippery Rock University; Tim Warner, West Virginia University, *Carbon storage and potential spectral relationship in reclaimed grassland environments.*

1:00 Daehyun Kim*, University of Kentucky; David M. Cairns, Texas A&M University; Jesper Bartholdy, University of Copenhagen; Cristine L.S. Morgan, Texas A&M University, *Scale-dependent correspondence of floristic and edaphic gradients across tidal creeks.*

1:20 Andrew B. Trgovac*, Student; Chris P.S. Larsen, Dr., *Do the slopes of forest community rank abundance distributions differ in relation to climate and in response to the number of individuals employed?.*

1:40 Justin L. Roberson, MS*, University of South Carolina; John A. Kupfer, PhD, University of South Carolina; Calvin Farris, PhD, National Park Service, *The Role of Fire-Environment Interactions in Controlling Vegetation Patterns in a Great Basin Shrub-Steppe Ecosystem.*

1472. Borders and cities 1 (Sponsored by Political Geography Specialty Group)

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Christophe SOHN, CEPS/Instead; Francisco Lara

CHAIR(S): James Wesley Scott, Free University Berlin

12:40 Francisco Lara*, Arizona State University, *The "Thickening" of the US-Mexico Border: Prospects For Cross-Border Cooperation and Networking.*

1:00 H. Peter Doerrenbaecher*, Saarland University, Saarbruecken, Germany, *Approaches to the Institutionalization of Cross-border Metropolitan Areas in Europe.*

1:20 James Wesley Scott, PhD*, Karelian Institute, University of Joensuu, *European Metropolises or National Centres? Central European Perspectives on the 'De-Bordering' of National Spaces.*

1:40 Antoine Decoville*, CEPS/INSTEAD, *The functional integration process in European cross-border metropolitan regions. Evidences from a study based on eleven case studies..*

2:00 Christophe Sohn*, CEPS/Instead, *The Border as a Resource in the Global Urban Space. Border Regimes in Cross-border City-regions..*

1474. Food, Water, and Crops: Environmental Risk Analysis

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xuesong Zhang, PNNL

12:40 Elisabeth Dowling Root, Ph.D.*, University of Colorado, Boulder, *Tracing drinking water to its source: an ecological study of the relationship between textile mills and birth defects in North Carolina.*

1:00 Bamlak A Alemu*, Justus-Liebig University of Giessen, Germany; Gashawbeza W Bekele, Tennessee State University, *Socio-economic Determinants of Fertilizer Use Intensity in Ethiopia: Implications for Improved Land Management and Agricultural Productivity.*

1:20 Gene Fifer*, Eastern Mennonite University, *Survey of Farmers' Fertilizer and Fuel Use, and Interest in Methane Digesters in Kandal Province, Cambodia.*

1:40 Xuesong Zhang*, PNNL; Cesar R. Izaurrealde, PNNL; David Manowitz, University of Maryland; Tristram O West, ORNL; Mac W. Post, ORNL; Scott M. Swinton, Michigan State University; Allison M. Thomson, PNNL; Jeff Nichols, ORNL; Prasad V. Bandaru, ORNL; Jimmy R. Williams, Texas A&M University, *A Spatially Explicit Modeling Framework for Assessing Environmental Impact of Biofuel Crop Production and its Application in Multiobjective Optimization of Biofuel Crop Configuration.*

2:00 Jennifer L. Krstolic*, United States Geological Survey; Gregory C. Johnson, United States Geological Survey; Ken Hyer, Ph.D, United States Geological Survey, *A USGS Partnership to Investigate Possible Causes for Freshwater Mussel Health Decline in the Clinch River Basin in Virginia and Tennessee.*

1475. African Political Geographies

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Brian Dowd, University of California - Santa Cruz

12:40 Tadesse Kidane-Mariam*, Edinboro University of Pennsylvania, *Ethiopia: Ethnic federalism and the dynamics of democratization.*

1:00 Linn Axelsson*, Dept. of Human Geography, Stockholm University, *Contested expectations of the state: Reactions to the Chinese challenge to Ghana's textile economy.*

1:20 Arja Vainio-Mattila*, Huron University College, *"Civil society" as a space for participation in policy: A case from Monduli District, Tanzania.*

1:40 Brian Dowd*, University of California - Santa Cruz, *The political ecology of Bt cotton introduction in Burkina Faso: informal politics, seed royalties, ginning ratios, and producer outcomes..*

WEDNESDAY, APRIL 14 • 12:40 PM - 2:20 PM • 1400**1476. Obesity in the Built Environment**

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mustafa Erdem

12:40 Nancy Ross, Dr.*, McGill University; Kaberi Dasgupta, Dr., McGill University; Geoffrey Max Halparin, McGill University, *Environment and Obesity in Canada*.

1:00 Kelsey McDonald*, University of Minnesota; J Michael Oakes, University of Minnesota; Ann Forsyth, Cornell University, *Built Environment and Obesity in the Twin Cities Walking Study*.

1:20 Jiawen Yang*, Georgia Institute of Technology; Steven French, Georgia Institute of Technology; Xuan Shi, Georgia Institute of Technology; Xingyou Zhang, Center for Disease Control and Prevention; James B Holt, Center for Disease Control and Prevention, *The Impacts of Large Scale Built-Environment on Individual Life Styles*.

1:40 Xingyou Zhang*, CDC; James B Holt, CDC; Jiawen Yang, Georgia Institute of Technology; Steven French, Georgia Institute of Technology, *Large Scale Built Environment Impact on US Obesity Epidemic-A Multilevel Approach*.

2:00 Mustafa Erdem*, LSU; Nina Lam, LSU, *A Spatial Analysis of Linkages between Obesity and Built Environment*.

1478. All About Water: Planning, Flooding, and Wilderness

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zhenghong Tang, University of Nebraska - Lincoln

12:40 Monica Smith*, University of North Carolina, Chapel Hill; Richard Pouyat, Ph.D., U.S. Forest Service; Lawrence E Band, Ph.D., University of North Carolina, Chapel Hill, *Physical & Social Impacts on Hydrologic Properties of Residential Lawn Soils*.

1:00 Zhongwu Li, Hunan University, China; Zhenghong Tang*, University of Nebraska - Lincoln; Feng Xu, Ministry of Water Resources, China; Yamei Wang, Hunan University, China; Guangming Zeng, Hunan University, China, *Using multi-criteria spatial analysis tool to assess flood risk*.

1:20 Andrew J. Miller*, UMBC; Garth Lindner, UMBC; Claire Welty, UMBC; Philip Larson, UMBC; Katherine L Meierdiercks, Siena College; James A Smith, Princeton University; Mary Lynn Baeck, Princeton University, *Patterns of hydrologic response across a densely instrumented urban watershed*.

1479. Warfare and Memory I

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Sara McDowell, University of Ulster

CHAIR(S): Sara McDowell, University of Ulster

12:40 Ian G. Baird*, POLIS Project on Ecological Governance, University of Victoria, *Legacies of War: Memories of Political and Military Conflict and Present-Day Implications for Negotiating Economic Land Concessions in Laos*.

1:00 Adam Moore*, University of Wisconsin, Madison, *Ethno-territoriality, conflict and commemoration*.

1:20 Léonie Newhouse, PhD Candidate*, University of Washington, *Remembering place: return migration and the politics of place in South Sudan*.

1:40 Marissa Tamar Isaak*, University of Oregon, *War Memorials at the State Scale: A Case Study From Oregon*.

2:00 Sara McDowell, Dr*, University of Ulster; Brian Graham, Professor, University of Ulster, *Commemoration as Conflict: Continuing the 'War by Other Means'*.

1482. Economic Geography and Business

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Noah Isserman, University of Cambridge

12:40 Noah J Isserman*, University of Cambridge, *Does High-Engagement Philanthropy Require Proximity? Empirical Findings from the UK and a Research Agenda*.

WEDNESDAY, APRIL 14 • 2:40 PM - 4:20 PM • 1500**1504. Young People, Religion and Place III (Sponsored by Geography of Religions and Belief Systems Specialty Group)***Room: Embassy, Marriott, Lobby Level (Paper Session)*ORGANIZER(S): Peter E Hopkins, Newcastle University, UK
CHAIR(S): Elizabeth A. Olson, University of Edinburgh
Introducer: Elizabeth A. Olson**2:45** Peter E Hopkins*, Newcastle University, UK; Nina Laurie, Newcastle University UK; Elizabeth A. Olson, University of Edinburgh; Matt Baillie Smith, Northumbria University, *Youth transitions and religious identities: young Christians returning from volunteering projects in Latin America.***3:05** Jeff Garmany*, University of Arizona, *Religion and community governance: the role of evangelical churches in Fortaleza, Brazil.***3:25** Nina Laurie*, Newcastle University UK; Matt Baillie-Smith, Northumbria University; Peter Hopkins, Newcastle University; Elizabeth Olson, Edinburgh University, *Becoming a 'cool charity': the professionalisation of young people's faith based international volunteering.***3:45** Sara H. Smith, PhD*, University of North Carolina at Chapel Hill, *"We want to be someone else": Young people negotiate modernity, territory, and religious identity in India's Jammu and Kashmir State.***1505. Geography, Education and the Future***Room: Ethan Allen, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Mary Biddulph

CHAIR(S): Helen Griffiths, University of Exeter

2:40 Graham William Butt, Dr*, School of Education, University of Birmingham, *Geography, Education and the Future: perspectives on geography education in English schools..***3:00** Clare Brooks*, Institute of Education, *Geographical Knowledge and Teacher Professional Development.***3:20** David Lambert*, Institute of Education, London, and the Geographical Association, *Reframing school geography: a capability approach.***3:40** Mary Biddulph*, University of Nottingham, *Young People's Geographies: Implications for school geography.***4:00** John Morgan*, *Consuming Tradition: Geographical education and landscape change in Britain, 1945-2010..***1511. Ghetto, favela or slum? Inequality and socio-spatial injustice in cities. Perspectives from North and South America (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)***Room: Nathan Hale, Marriott, Lobby Level (Paper Session)*ORGANIZER(S): Eberhard Rothfuss, University of Passau, Germany; Ulrike Gerhard, University of Wuerzburg
CHAIR(S): Ulrike Gerhard, University of Wuerzburg
Introducer: Joel Outtes**3:00** Joe T. Darden*, Michigan State University, *Detroit: Anatomy of Racial Inequality and Socio-Spatial Injustice.***3:20** Thomas Doerfler*, University of Bayreuth, *The Right to the Non-City: Excluding the Other from current Urban Renewal.***3:40** Loïc Wacquant*, University of California, *Probing Neighbourhoods of Relegation in the Americas: A Framework for Comparison.*

Discussant(s): David Wilson, University of Illinois

1519. Crossing multiple boundaries: International students' integration experiences in graduate geography programs (Sponsored by Graduate Student Affinity Group, Enhancing Departments and Graduate Education project (EDGE), Geography Faculty Development Alliance (GFDA))*Room: Thomas Paine, Marriott, Lobby Level (Panel Session)*

ORGANIZER(S): Niem Tu Huynh, Texas State University - San Marcos; Wen Lin, University of Wisconsin-La Crosse

CHAIR(S): Wen Lin, University of Wisconsin-La Crosse

Introducer: Niem Tu Huynh

Panelists: Shanshan Cai, The Ohio State University; Sandra Zupan, University of Wisconsin-Milwaukee; Waverly C. Ray, Texas State University-San Marcos; Katsuhiko Oda, Texas A&M University; Mi Shih, Rutgers University; Heike Alberts, University of Wisconsin-Oshkosh

1523. Place & Substance Use: Linking Environments to Health (Sponsored by Health and Medical Geography Specialty Group)*Room: Coolidge, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Bethany Deeds, National Institute on Drug Abuse; Wilson Compton, National Institutes of Health

CHAIR(S): Bethany Deeds, National Institute on Drug Abuse

2:40 David H. Epstein, Ph.D.*, NIDA IRP; Kenzie L. Preston, Ph.D., NIDA IRP, *Environment, Drug Use, and Psychosocial Stress.***3:00** Christopher Browning, Ohio State University; Lauren J. Krivo, Ohio State University; Aubrey Jackson, Ohio State University; Heather Washington, Ohio State University; Ruth Peterson*, Ohio State University, *Linking Immigrant Community Exposure to Adolescent Substance Use and Sexual Behavior: Moving Beyond Neighborhood of Residence.***3:20** Paul Gruenewald, Ph.D.*, Prevention Research Center; William Ponicki, M.S., Prevention Research Center; Lillian Remer, M.S., Prevention Research Center, *Modeling the Spatial Dynamics of the Methamphetamine Epidemic in California.***3:40** Jacky M Jennings, PhD, MPH*, Johns Hopkins University; Ralph B Taylor, PhD, Temple University; Shang-en Chung, ScM, Johns Hopkins University; Steven Huettner, Johns Hopkins University; Jonathan Ellen, MD, Johns Hopkins University, *Are Neighborhood Drug Markets Associated With Selecting a High-risk Sex Partner Among Young African American Women?.***4:00** Sage Kim, PhD*, University of Illinois at Chicago, *Drugs, Crime, and Neighborhood.***1524. Convergence in the GeoWeb: Volunteered geographic information, spatial data infrastructures, and public participation GIS I (Sponsored by Geographic Information Science and Systems Specialty Group)***Room: Harding, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Barbara Poore, United States Geological Survey; Nama Budhathoki, University of Illinois at Urbana-Champaign

CHAIR(S): Barbara Poore, United States Geological Survey

2:40 Nama R Budhathoki*, University of Illinois at Urbana-Champaign, *Why do users do what they do in volunteered geographic information: Insights from an empirical study.***3:00** Eugene Martin*, University of Wisconsin Stevens Point, *Data sharing, order and heterogeneous GIS networks.***3:20** Kevin Flaherty*, California State University, Long Beach, *Spatial Data Provision and Ontological Consistency within The New Geography..***3:40** Francis Harvey*, University of Minnesota - Minneapolis, *Authoritative VGI and the next generation of Spatial Data Infrastructures.*

Discussant(s): Sarah Elwood, University of Washington

WEDNESDAY, APRIL 14 • 2:40 PM - 4:20 PM • 1500**1525. Managing the quality of our waters in a changing world: Land-use and climate change issues - I (Sponsored by Water Resources Specialty Group)****Room:** Hoover, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Philippe Vidon, IUPUI; Sujay Kaushal, University of Maryland Center for Environmental Science

CHAIR(S): Lora Harris, University of Maryland Center for Environmental Science

2:40 Sujay S. Kaushal, Dr.*, University of Maryland Center for Environmental Science; Peter M. Groffman, Cary Institute of Ecosystem Studies; Lawrence E. Band, University of North Carolina; Emily Elliott, University of Pittsburgh; Catherine Shields, University of California, Santa Barbara; Paul M. Mayer, U.S. Environmental Protection Agency; Tamara A. Newcomer, University of Maryland Center for Environmental Science, *Tracking stream nitrogen sources and transformations: implications for coastal water quality.*

2:55 Lisa A Wainger*, University of MD, Ctr Environ Science; Kristin Politano, University of MD, Ctr Environ Science; Jacob D. Hosen, University of MD, Ctr Environ Science; Margaret A Palmer, University of MD, Ctr Environ Science; Allen P Davis, University of MD, Maryland Water Resources Research Center; Jennifer M Olszewski, University of MD, Civil & Environmental Engineering, *What to Expect from a Water Quality Management Practice Based on Location.*

3:10 Paul M Mayer, Dr.*, US Environmental Protection Agency; Bart Faulkner, US Environmental Protection Agency; Ken Forshay, US Environmental Protection Agency; Daniel Galeone, US Geological Survey; Peter Groffman, Cary Institute of Ecosystem Studies; Sujay Kaushal, University of Maryland; Michael Langland, US Geological Survey; Dennis Low, US Geological Survey; Dorothy Merritts, Franklin & Marshall College; J Thad Scott, University of Arkansas; Elise Striz, Nuclear Regulatory Commission; Robert Walter, Franklin & Marshall College, *Managing Water Quality at the Groundwater/Surface-Water Interface of Impaired Streams.*

3:25 Lora Harris*, University of Maryland Center for Environmental Science; Mark Brush, Virginia Institute of Marine Science; Juliette Giordano, Virginia Institute of Marine Science; Iris Anderson, Virginia Institute of Marine Science; Walter Boynton, University of Maryland Center for Environmental Science, *Improving Models of Nitrogen Loading and Water Quality Impacts to Coastal Lagoons.*

3:40 Luc Claessens*, Virginia Tech; Conrad Heatwole, Virginia Tech; Kurt Stephenson, Virginia Tech, *A Geographic-Based Assessment of Practices to Reduce Watershed Nitrogen Export from Anthropogenic Activities.*

3:55 Philippe Vidon*, IUPUI, *Managing water quality through the use of riparian zones: is Nitrogen the tree hiding the forest?.*

1526. Author Meets Critics: Ladelle McWhorter, Racism and Sexual Oppression in Anglo-America (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)**Room:** Jackson, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Natalie Oswin, McGill University; Farhang Rouhani, University of Mary Washington

CHAIR(S): Melissa W. Wright, Penn State University

Introducer: Jamie Winders

Panelists: Eric Olund, University of Sheffield; John Paul Catungal, University of Toronto; Arun Saldanha, University of Minnesota - Minneapolis; Ladelle McWhorter, University of Richmond

1527. Remote Sensing of Coastal and Marine Areas and Water Resources**Room:** Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Qian Yu, University of Massachusetts

2:40 David P. Lusch, Ph.D.*, Michigan State University; Brian L. Becker, Ph.D., Central Michigan University, *Verifying optimal hyperspectral band selections for mapping Great Lakes coastal wetlands using a classification-based approach.*

3:00 Donghai Li*, University of California, Merced; Qinghua Guo, University of California, Merced; Thomas C. Harmon, University of California, Merced, *Estimation of canopy plant water content using in-situ hyperspectral data for a managed wetland.*

3:20 Paul B.T. Merani*, University of Nebraska; Donald C. Rundquist, Ph.D., University of Nebraska; John F. Schalles, Ph.D., Creighton University, *Estimating above-ground biomass of emergent salt marsh vegetation using close range hyperspectral remote sensing.*

3:40 Richard Allan Beck, Dr.*, Department of Geography, University of Cincinnati; Andrew Rettig, Department of Geography, University of Cincinnati; Wendy Eisner, Dr., Department of Geography, University of Cincinnati; Kenneth Hinkel, Dr., Department of Geography, University of Cincinnati; Benjamin Jones, USGS - Anchorage; Christopher Arp, Dr., USGS - Anchorage; Douglas Whiteman, Barrow Arctic Science Consortium; Bryan Thomas, Barrow Arctic Science Consortium, *Ice Dynamics of the Meade River - Arctic Alaska, from Freezeup to Breakup from Time Series Ground Imagery.*

4:00 Qian Yu, Assistant Professor*, University of Massachusetts-Amherst; Weining Zhu, University of Massachusetts-Amherst; Robert F Chen, Professor, University of Massachusetts-Boston; Yong Q Tian, Assistant Professor, University of Massachusetts-Boston; G Bernie Gardner, University of Massachusetts-Boston, *Examining seasonal variation of CDOM concentration in coastal river using hyperspectral data.*

1528. Biogeography Specialty Group Masters and Undergraduate Student Paper Competition II (Sponsored by Biogeography Specialty Group)**Room:** Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Gabrielle L. Katz

CHAIR(S): Gabrielle L. Katz

2:40 Stephanie Smith*, Appalachian State University Department of Geography and Planning; Gabrielle Katz, PhD, Appalachian State University, *Floristic Response to Land Use Change in the Southern Appalachians.*

3:00 John "Nez" Nesbitt*, Student; Lori Daniels, PhD, University of British Columbia, *Drivers of Mixed Severity Fires: Quantifying Forest Fire Variability in Nelson, British Columbia 1700-Present.*

WEDNESDAY, APRIL 14 • 2:40 PM - 4:20 PM • 1500**1531. Geographies of Exclusion in Europe (Sponsored by Russian, Central Eurasian, and East European Specialty Group, European Specialty Group, Population Specialty Group)**

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Micheline Van Riemsdijk, University of Tennessee

2:40 Marit Aure*, University of Tromsø, Norway; Trine Fosslund, University of Tromsø, *It was love - Highly Skilled Dependant Immigrants in a Norwegian Labour.*

3:00 Siobhán McPhee*, University College Dublin, *The particularities of segmentation in the Irish labour market as a result of immigration.*

3:20 Michelle J Brym*, Central Michigan University, *Who Can Become an EU Citizen? The Influence of access to EU Citizenship on the Mobility of Migrant Populations in Europe.*

3:40 Marta Bivand Erdal*, International Peace Research Institute Oslo, PRIO, *'A place to stay': migrant houses in the country of origin.*

Discussant(s): Micheline Van Riemsdijk, University of Tennessee

1532. Teaching Health and Medical Geography (Sponsored by Health and Medical Geography Specialty Group)

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Sue C. Grady, Michigan State University

CHAIR(S): Mark W. Rosenberg, Queen's University

Panelists: Mark W. Rosenberg, Queen's University; Lisa Marie Jordan, Florida State University; Elisabeth Dowling Root, University of Colorado, Boulder; Kenneth C. Haddock, Towson University-Retired; Sue C. Grady, Michigan State University

1533. Critical Perspectives on Ecological and Environmental Knowledge(s) II: Indigenous Rights (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Sya Burynd Kedzior, University of Kentucky; Garrett Graddy, University of Kentucky

CHAIR(S): Sya Burynd Kedzior, University of Kentucky

2:40 Danyel Addes, Graduate Student*, University of Georgia, *Kastom in Conservation? Negotiating discourses of conservation and traditional ecological knowledge in Melanesia..*

3:00 Kathleen Barnhill, MS*, SUNY ESF; Richard C Smardon, PhD, SUNY ESF, *Negotiating Sacred Space: Indigenous Participation in Local Environmental Governance.*

3:20 Garrett Graddy*, University of Kentucky, *Engaging "Traditional Ecological Knowledge": Epistemologies of Agricultural Biodiversity.*

3:40 Pasang Hsiao*, National Taiwan Normal University, *Surviving indigenous environmental knowledges in disaster responses: Cases in recent years of Taiwan.*

1534. The Rising Powers and the 'new' geographies of international development I (Sponsored by Africa Specialty Group, China Specialty Group)

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Giles Mohan, The Open University, UK

CHAIR(S): Giles Mohan, The Open University, UK

2:40 Giles Mohan*, The Open University, UK, *Chinese Migrants in Africa as New Agents of Development? An Analytical Framework.*

3:00 Lucy Corkin*, School of Oriental and African Studies, University of London; Lucy Corkin, School of Oriental and African Studies, University of London, *China Exim Bank's loans to Angola: A Case Study for African agency in concessional financing.*

3:20 May Tan-Mullins*, University of Nottingham, Ningbo campus, China, *Redefining 'Aid' in the China-Africa Context: Global Governance, Chinese Modalities and Local Impacts..*

3:40 Marcus Power, Dr*, University of Durham, *Angola 2025: the future of the richest poor country in the world as seen through a Chinese rear-view mirror.*

Discussant(s): Deborah Brautigam

1535. Conflict in Xinjiang, China (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group, China Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Tamar Mayer, Middlebury College; Stanley Toops, Miami University

CHAIR(S): Stanley Toops, Miami University

2:40 Clifton W. Pannell*, University of Georgia, *Xinjiang and its relations with Central Asia.*

3:00 Stanley Toops*, Miami University, *Political Geography of the Uyghurs of Xinjiang: Part II. Comparing Urumqi events in December 1985 and July 2009.*

3:20 Brandon Barbour*, University of Hawaii, East West Center, *The Power of Events and Group-ness in Xinjiang, China.*

3:40 Tamar Mayer*, Middlebury College, *The National Question: Uighur of Xinjiang.*

1540. Reclaiming the city: new urbanisms in the Global South-Session I (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin; Koenraad Bogaert, Ghent University

CHAIR(S): Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin

2:40 Pascal Debruyne*, PhD Student; Pascal Debruyne, PhD. Candidate, *Turn Sand into Gold : Uneven Geographical Development, State Respatialization in Jordan and the Production of Aqaba as an Exceptional Space..*

2:58 Branwen Gruffydd Jones*, Goldsmiths, University of London, *Upgrading 'slums' for accumulation: the contested politics of neoliberal urbanism in the Global South.*

3:16 Aidan Marc Wong*, National University of Singapore, *Mobile Labour and Worker Resistance Strategies: A Study of Waste Collectors in Singapore.*

3:34 Richa Dhanju, Ph.D. Candidate*, Department of Anthropology, Texas A&M University; Kathleen O'Reilly, Ph.D, Assistant Professor, Department of Geography, Texas A&M University, *Partnering for the poor? Mission Convergence as an urban poverty management strategy in Delhi.*

3:52 Veronika Deffner*, RWTH Aachen University, *Favelas - "threatening provocations" for the Urban or venues to negotiate the "right to the city"?.*

Discussant(s): Waquar Ahmed, Mount Holyoke College

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- 1541. German Cities in the World City Network 2 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)**
Room: Tyler, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Stefan Lüthi, Technische Universität München; Alain Thierstein, Munich University of Technology
 CHAIR(S): Michael Hoyler, Loughborough University
2:40 Juergen Goeddecke-Stellmann*, *European Metropolitan Regions: Data, Methods, Findings.*
3:00 Markus Hesse*, University of Luxembourg, *German city regions: urban, not necessarily metropolitan. A critical commentary on the political construction of metropolitan regions.*
3:20 Angelika Muenther*, Research Institute for Regional and Urban Development (ILS), *Polycentric metropolitan regions in the World-City-Network: Is Germany different?.*
3:40 Christian Matthiessen*, Professor, University of Copenhagen; Annette Winkel Schwarz, Director, DTU Analysis & Research promotion Center; Søren Find, Section head, DTU Analysis & Research promotion Center, *German Cities of Research Knowledge and their Position and Network Connectivity: an analysis based on bibliometric indicators..*
 Discussant(s): Peter J. Taylor, Loughborough University
- 1546. Cities for people, not for profit: Panel Session Sponsored by the Journal CITY**
Room: Lincoln Room 2, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Bob Catterall
 CHAIR(S): Bob Catterall
 Panelists: Peter Marcuse; Bob Catterall; Adrian Atkinson; Sharon Meagher, The University of Scranton; Eduardo Mendieta; Kurt Iveson
- 1547. Deconstructing Regional Advantage: Comparative Perspectives on Knowledge Bases and Innovation Systems 1**
Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Jerker Moodysson, CIRCLE, Lund University, Sweden; Bjorn T. Asheim, Lund University, Sweden
 CHAIR(S): Ron Boschma, Utrecht University
2:40 Bjorn T. Asheim*, Lund University, Sweden, *The Symbolic Knowledge Base: Potentials for Constructing Regional Advantage.*
3:00 Ingrid H Garmann Johnsen*, Department of Working Life and Innovation, University of Agder, *A knowledge based approach to innovation in cultural industries: evidence from the fashion design industry in Oslo, Norway..*
3:20 Roman Martin*, CIRCLE, Lund University; Jerker Moodysson, CIRCLE, Lund University, *Comparing knowledge bases: on the geography of knowledge flows in the regional innovation system of southern Sweden.*
3:40 Kati-Jasmin Kosonen*, Research Unit for Urban and Regional Development Studies SENTE, University of Tampere; Markku Sotarauta*, University of Tampere, *Differentiated Knowledge Bases, Differentiated Innovation Processes? Digital Content Business and Services, Agrotechnology and Mobile Heavy Machinery in Finland as Cases in point.*
4:00 James Karlsen*, Agder Research, *What kind of regional advantages can be constructed in what type of regions by the use of policy tools?.*
- 1548. The European / Post-Soviet City: Identity, Memory, Symbolism, and Politics III (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Joshua Hagen, Marshall University; Paul Stangl, Western Washington University
 CHAIR(S): Guntram Herb, Middlebury College
2:40 Paul Stangl*, Western Washington University, *Science & Technology in Discourse on City Building: Case Studies in Communist Berlin.*
3:00 Alexander C. Diener*, Pepperdine University, *City of Concrete and Felt: Negotiating Cultural Hybridity in Mongolia's Capital of Ulaan Baatar.*
3:20 Robert Ostergren*, University of Wisconsin-Madison, *Creating symbolic political space: The transformation of the Berlin Lustgarten during the Nazi era.*
3:40 Salla Jokela*, Academy of Finland/University of Helsinki, *Sacred Sights: Ecclesiastical Architecture in the Tourism Imagery of Helsinki.*
4:00 Bernhard Koeppen*, Universitaet Koblenz-Landau, Geography Division, Campus Landau, *Astana - The production of a new capital city in the Kazakh steppe.*
- 1549. Spatial Analysis and Modeling in Professional Practices: Ethnographic Case Studies (Sponsored by Spatial Analysis and Modeling Specialty Group, Qualitative Research Specialty Group, Geography Education Specialty Group)**
Room: Lincoln Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Kevin Leander, Vanderbilt University; Rogers Hall, Vanderbilt University
 CHAIR(S): Kevin Leander, Vanderbilt University
2:40 Rogers Hall*, Vanderbilt University, *Comparative Analyses of Learning Spatial Analysis across Professions.*
3:00 Jasmine Y Ma*, Vanderbilt University, *Learning to See and to Show Spatial Structures: From Mundane to Innovative Modeling in Physical Anthropology.*
3:20 Katie Taylor*, Vanderbilt University, *Getting Into the Map: How the Public Learns to Take Place in Urban Planning.*
3:40 Nathan Phillips*, Vanderbilt University; Kevin Leander*, Vanderbilt University, *Thinking Spatially on the Fly in Professional Practice: An Ethnographic Case of Emergency Medicine Flight Communications.*
 Discussant(s): David Uttal, Northwestern University
- 1550. Psychoanalysis, Aesthetics, Politics (Sponsored by Cultural Geography Specialty Group)**
Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Jesse Proudfoot, Simon Fraser University
 CHAIR(S): Jesse Proudfoot, Simon Fraser University
2:40 Jesse Proudfoot, Ph.D. Candidate*, Simon Fraser University, *The Pleasure Principle of Drug Policy: Biopolitics, Jouissance, and Harm Reduction Strategies.*
3:00 Nazanin Naraghi*, Simon Fraser University, *The Opaque Spaces of Film: Geography, Film Theory, and the Lacanian Gaze.*
3:20 Andrew Shmueli*, Dept. of Geography, UBC, *From Affect to Aesthetics: Traversing the Phantasmagoric Fantasy.*
 Discussant(s): Heidi J. Nast, DePaul University

WEDNESDAY, APRIL 14 • 2:40 PM - 4:20 PM • 1500**1551. Reading for Land through Nationalist Practices: Analyses of Anti-Racist Geographies**

Room: Washington Room 1, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Shaista Patel, OISE/University of Toronto;
 Nadia Hedar, University of Toronto
 CHAIR(S): Deborah Cowen, University of Toronto
 Discussant(s): Deborah Cowen, University of Toronto
 Panelists: Shaista Patel, OISE/University of Toronto; Nadia Hedar, University of Toronto

1552. Coupled Human and Natural Systems (CHANS): Land-Use/-Cover/-Scapes Dynamics I

Room: Washington Room 2, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): William J. McConnell, Michigan State University; Thomas J. Baerwald, National Science Foundation
 CHAIR(S): Jianguo Liu
2:40 C. Michael Barton*, Arizona State University; Isaac Ullah, Arizona State University; Gary Mayer, Southern Illinois University; Hessam Sarjoughian, Arizona State University; Sean Bergin, Arizona State University; Alexandra Miller, Arizona State University; Helena Mitsova, North Carolina State University, *Coupled Models for Coupled Systems: Land-Use and Landscape Dynamics in the Mediterranean*.
3:00 Colin Polsky*, Clark University, *Progress in High-Resolution Modeling of Coupled Human-Natural Systems: The Case of Suburban Boston (the PIE NSF-LTER site)*.
3:20 Nicholas Jordan*, University of Minnesota; Kristen C. Nelson, University of Minnesota; Steven Manson, University of Minnesota; Rachel Brummel, University of Minnesota; Kathryn Clower, University of Minnesota, *Developing an Eco-Social Dynamic Model for Grazing-based Dairy Production in the United States*.
3:40 Mitchell Aide*, University of Puerto Rico, *How has demographic dynamics affected patterns of landuse in Central America?*.
4:00 Daniel G. Brown*, University of Michigan; William S. Currie, University of Michigan; Joan I. Nassauer, University of Michigan; Scott E. Page, University of Michigan; Dawn C. Parker, University of Waterloo; Rick L. Riolo, University of Michigan; Derek T. Robinson, University of Michigan, *Coupling Land Use and Land Management Processes with Vegetation Productivity and Carbon Storage in Exurban Southeastern Michigan*.

1553. What divide? Latour, physical/human geography, and the matter of nature (Sponsored by Socialist and Critical Geography Specialty Group, Cultural and Political Ecology Specialty Group, Geomorphology Specialty Group)

Room: Washington Room 3, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): James D. Proctor, Lewis and Clark College; Claire Tollis, Student
 CHAIR(S): James D. Proctor, Lewis and Clark College
 Discussant(s): James D. Proctor, Lewis and Clark College
 Panelists: Nicholas Clifford, University of Nottingham, UK; Jessica Dempsey, University of British Columbia; Nathan F. Sayre, University of California, Berkeley; Claire Tollis, Student; Michael A. Urban, University of Missouri

1554. Cultures of landscape: a tribute to James Duncan (Sponsored by Cultural Geography Specialty Group)

Room: Washington Room 4, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Mitch Rose, University of Hull; David Nally, University of Cambridge
 CHAIR(S): Mitch Rose, University of Hull
 Panelists: John Wylie, University of Exeter; Karen M. Morin, Bucknell University; Karen E. Till, Virginia Tech University; Trevor J. Barnes, University of British Columbia; Nancy Duncan, University of Cambridge; James Duncan, Cambridge University

1555. Carbon economy: assessing the impact of carbon markets and green jobs (2) (Sponsored by Economic Geography Specialty Group, Energy and Environment Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Janelle Knox-Hayes, Georgia Institute of Technology
 CHAIR(S): Janelle Knox-Hayes, Georgia Institute of Technology
2:40 Heather C Lovell, Dr*, University of Edinburgh, *Financial Accounting and Carbon Markets*.
3:00 Ian Bailey, Dr*, University of Plymouth; Sally Murrall, Ms, University of Plymouth, *Uncooperative Countries, Unruly Markets and Middle-Class Energy Bling: Lessons in Carbon Commodification from Europe*.
3:20 Amy Welch, PhD Candidate*, Penn State University; Amy Glasmeier, PhD, MIT, *Spatial Distribution of Carbon Intensive Industries and Employment in Appalachia: A Focus on Rural and Economically Distressed Counties*.
3:40 James Patrick Nugent*, University of Toronto, *"Someone has to build it" - Canadian Unions' Response to Climate Change Under Neoliberalism*.
4:00 Andrea Sabelli*, University of Toronto, *Carbon Opportunities and Carbon Losses in the Peruvian Amazon: Farmers' Interests in the Offset Business*.

1556. Analysis of Multi-temporal Remotely Sensed Data: Methods and Applications (II) (Sponsored by Spatial Analysis and Modeling Specialty Group, Remote Sensing Specialty Group)

Room: Blue Room, Omni Shoreham (Paper Session)
 ORGANIZER(S): Desheng Liu, The Ohio State University
 CHAIR(S): George Xian, ARTS/USGS EROS
2:40 Jahan Kariyeva*, University of Arizona; Willem J.D. van Leeuwen, University of Arizona; Connie Woodhouse, University of Arizona, *Phenological Response to Changes in Land Use Practices and Climate Variability in Central Asia*.
3:00 Baojuan Zheng*, Virginia Tech; James B Campbell, Virginia Tech, *Spatial-Temporal Assessment of Soils, Virginia's Eastern Shore*.
3:20 Fred L. Shore, PhD.*, MS Department of Agriculture and Commerce; Thomas L. Gregory, B.S., USDA-National Agricultural Statistics Service, *The Cropland Data Layer for the Study of Mississippi Forests*.
3:40 Josh Gray*, UNC-CH Geography; Conghe Song, PhD, UNC-CH Geography, *MODIS and Landsat Fusion for High Temporal and Spatial Resolution LAI Mapping*.
4:00 Desheng Liu*, The Ohio State University, *Spatial Distribution of Registration Errors and Its Impact on Change Analysis Using Multi-temporal Remote Sensing Imagery*.

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1557. The securitization of migration: border enforcement, detention, and local policing at the boundaries of neoliberalism II (Sponsored by Political Geography Specialty Group)

Room: Cabinet, Omni Shoreham (Paper Session)

ORGANIZER(S): Nancy A. Hiemstra, Syracuse University; Alison Mountz, Syracuse University

CHAIR(S): Patricia Ehrkamp, University of Kentucky

2:40 Jennifer Hyndman*, York University, *Securitizing Forced Migration: The Conundrum of Refugees in Limbo.*

3:00 Nancy A. Hiemstra, PhD Candidate*, Syracuse University, *The Convolution of U.S. Migrant Detention and Deportation: Ecuadorians Entangled in the U.S. Detention System.*

3:20 Deirdre Conlon*, Emerson College, Boston, MA; Nick Gill, Department of Geography, Lancaster University, UK, *Rules of engagement: Governmentality, 'technologies of citizenship' and everyday protest in asylum detention.*

3:40 Lauren Martin*, University of Kentucky, *'Catch and Return': The Embodied Geopolitics of Deterrence in U.S. Immigration Enforcement Policy and Practice.*

Discussant(s): Mark Salter, University of Ottawa

1558. People, Livestock and the Environment II (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Calvert, Omni Shoreham (Paper Session)

ORGANIZER(S): Abigail Neely, University of Wisconsin - Madison; Bilal Butt, University of Wisconsin - Madison

CHAIR(S): Abigail Neely, University of Wisconsin - Madison

2:40 Karen Beardsley, GISP, PhD*, University of California, Davis, *An Analysis of Land Use Options for the Mbirikani Group Ranch in Kenya.*

3:00 Elizabeth Edna Wangui*, Ohio University, *Performance politics and the spaces of negotiation: Pastoralist livelihood change and new gender roles.*

3:20 Rainer Asse, PhD*, International Livestock Research Institute; Augustine Ayantunde, PhD, International Livestock Research Institute, *Crossing and Connecting Landscapes and Communities: Transhumance Routes and Socioecological Change in Four West African Countries.*

3:40 Mark Moritz*, The Ohio State University; Eric Soma, The Ohio State University; Ningchuan Xiao, The Ohio State University; Saidou Kari, CARPA, *Modeling grazing intensity in a mobile pastoral system in West Africa.*

Discussant(s): Matthew Turner, University of Wisconsin-Madison

1559. Firms, economies and communities 2

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): James Faulconbridge, Lancaster University; Andrew Jones, Birkbeck, University of London

CHAIR(S): Andrew Jones, Birkbeck, University of London

2:40 James Faulconbridge*, Lancaster University; Andrew Cook, Lancaster University; Daniel Muzio, Leeds University Business School, *Losing your identity? The making of transnational lawyers through organizational communities of practice.*

3:00 Felicity Wray, Dr*, University of Western Australia, *What difference does territory make in shaping communities of practice? Reflections from Western Australia's resources complex.*

3:20 Jinn-yuh Hsu*, National Taiwan University, *Reflexive Firms and Learning Region? Asymmetric Power in Technical Community.*

3:40 Christine Benna Skytt*, Department of Geography and Geology, University of Copenhagen, *Knowledge production in industrial design.*

Discussant(s): Jonathan V. Beaverstock, The University of Nottingham

1560. Migration and Identity: Eastern Europe

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Suncana Laketa, University of Arizona

2:40 Jana Spilkova*, Charles University in Prague, *Formation of Identity within the Mall Teenage Microculture: The Case Study of Czech "mall junkies".*

3:00 Eva Janska, Dr.*, Charles University in Prague, Czech Republic; Dusan Drbohlay, Doc., Charles University in Prague, *Economic migration and relevant migration policy in the Czech Republic.*

3:20 Maarja Saar*, University of Wisconsin Madison, *Place in between, bringing diaspora to new level by using post soviet district in Estonia, Tallinn as an example.*

3:40 Suncana Laketa*, University of Arizona, *Ethnic Identity and Subconscious Prejudices in Croatia.*

1561. Geographies of Media III: Film City II: cities and the production of film and urban space (Sponsored by Communication Geography Specialty Group)

Room: Congressional A, Omni Shoreham (Paper Session)

ORGANIZER(S): Amy Cervenak, University of Toronto

CHAIR(S): Matthew Farish, University of Toronto

2:40 Neil M Coe*, University of Manchester, *Hollywood North redux: the rise and 'cooling off' of Vancouver's film and television industry.*

3:00 Catherine L. Denson, MScPl candidate*, University of Toronto, Program in Planning, *The Battle of Eastern Avenue: Toronto, the Film Industry, and the Creative City.*

3:20 Amy Cervenak*, University of Toronto, *Film production districts and urban redevelopment in Toronto.*

Discussant(s): Susan M. Christopherson, Cornell University

1562. Beyond Sustainability: On Demanding a Politics of Just Sustainable Development (Session II: Uncovering Social Injustice) (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Congressional B, Omni Shoreham (Paper Session)

ORGANIZER(S): Joseph Pierce, Clark University; Charlyn Pearsall, Temple University

CHAIR(S): Rob Krueger, Worcester Polytechnic Institute

2:40 Brenda A Kayzar*, University of Minnesota, *Desired Patina or Layer of Toxicity: The language of environmental justice in revitalized urban settings.*

2:56 Rob Krueger, Assistant Professor*, Worcester Polytechnic Institute; Linnea M Palmer Paton, Student*, Worcester Polytechnic Institute, *Where has Urban Sustainability Gone? The Geography of Urban Sustainable Developments in the US.*

3:12 Hamil Pearsall*, Temple University; Joseph Pierce, Clark University, *Urban sustainability and environmental justice: evaluating the linkages in public planning/policy discourse.*

3:28 Christina Rosan*, Individual Member, *A Big Enough Tent?: Sustainable City Agendas and Marginalized Communities in the U.S..*

3:44 D. Asher Ghertner*, University of California, Berkeley, *Green Evictions: Clearing Slums, Saving Nature in Delhi.*

4:00 Liza Griffin*, University of Westminster, *Making Communities Responsible At times of Crisis: Communities, Sustainability & Flooding Governance in the UK.*

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- 1564. Space and Spatiality in Theory 3: A discussion with Gunnar Olsson, Eric Sheppard, Ed Soja, Nigel Thrift, and Yi-Fu Tuan**
Room: Diplomat, Omni Shoreham (Panel Session)
 ORGANIZER(S): Peter Merriman, Aberystwyth University; Martin R. Jones, University of Wales, Aberystwyth
 CHAIR(S): Peter Merriman, Aberystwyth University
 Panelists: Gunnar Olsson, University of Uppsala; Nigel J. Thrift, University of Warwick; Yi-Fu Tuan, University of Wisconsin; Martin R. Jones, University of Wales, Aberystwyth
- 1565. Opium Poppy 2: Geospatial issues in tracking and monitoring illicit crop production (Sponsored by Spatial Analysis and Modeling Specialty Group, Rural Geography Specialty Group, Geographic Information Science and Systems Specialty Group)**
Room: Director's, Omni Shoreham (Panel Session)
 ORGANIZER(S): Allison Brown, University of Mass.
 CHAIR(S): Allison Brown, University of Mass.
- 1566. The Mobility of Children and Youth: Current Research and Nascent Themes (Session II) (Sponsored by Urban Geography Specialty Group, Transportation Geography Specialty Group, Disability Specialty Group)**
Room: Embassy, Omni Shoreham (Paper Session)
 ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro; Ron N Buliung, Department of Geography, University of Toronto at Mississauga
 CHAIR(S): Selima Sultana, University of North Carolina-Greensboro
2:40 Richard Gilbert, PhD*, University of Winnipeg; Catherine O'Brien, PhD, Cape Breton University, *Canadian Guidelines for Child- and Youth-Friendly Planning*.
3:00 Raktim Mitra*, University of Toronto; Ron Buliung, University of Toronto at Mississauga, *Children, Youth and School Travel: Does Age Make a Difference in Mode Choice Behaviour?*.
3:20 Danielle Fontaine*, Clark University, *How do parental perceptions of risk in the built environment affect gender differences in children's mode of travel to school?*.
3:40 Marie-Soleil Cloutier*, INRS-Urbanisation, Culture et Société, *Deprivation: A major component of factual and perceived risk of child pedestrian accidents in school context*.
4:00 Sonia Lehman-Frisch, Associate Professor*, University of Cergy-Pontoise, France; Frédéric Dufaux, Associate Professor, University of Paris Ouest-Nanterre-La Défense, France; Jean-Yves Authier, Professor, University of Lyon, France, *Children's Spatial Experience of Social Mix in a Gentrifying Neighborhood: The Case of the Batignolles (Paris, 17th arrondissement)*.
- 1567. Justice, Equity and Geography, Michael Storper Plenary Lecture Sponsored by European Urban and Regional Studies (Sponsored by Economic Geography Specialty Group, European Specialty Group)**
Room: Empire, Omni Shoreham (Paper Session)
 ORGANIZER(S): Diane Perrons, London School of Economics; Andrew Wood, University of Kentucky
 CHAIR(S): Diane Perrons, London School of Economics
2:40 Michael Storper*, London School of Economics, *The Normative Basis of Economic Geography*.
- 1568. Hazards, GIS, and Remote Sensing 2: Disaster Management (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards Specialty Group, Remote Sensing Specialty Group)**
Room: Forum, Omni Shoreham (Paper Session)
 ORGANIZER(S): Rutherford V. Platt, Gettysburg College; Tom Cova, University of Utah
 CHAIR(S): Michael E. Hodgson, University of South Carolina
2:40 Bill Cooke, Mississippi State University; Kathleen Sherman-Morris*, Mississippi State University; Bailey Lipscomb, Mississippi State University; Eduardo Arias, Mississippi State University, *A Self-Assessment Tool for Measuring Geospatial Readiness for Disaster Management*.
3:00 Pamela S. Showalter*, Texas State University-San Marcos; Eve Gruntfest, SSWIM, University of Oklahoma; Isabelle Ruin, LTHE (UMR5564, CNRS, IRD, INPG, UJF), Grenoble, France, *Grassroots Data Needs: A Report from the International Flash Flood Laboratory's Inaugural Workshop*.
3:20 Ian Kramer*, University of South Carolina, *A Federated GIS Approach to Sharing Spatial Data between Local Governments for Emergency Response*.
3:40 Michael E. Hodgson*, University of South Carolina, *The Functional Relationships Between Attitudes, Behavior, Experience and the Hazard Location*.
- 1569. Gender and Climate Change: Pitfalls, Possibilities and Realities (II) (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Governor's, Omni Shoreham (Paper Session)
 ORGANIZER(S): Farhana Sultana, Syracuse University; Joni Seager, Bentley University
 CHAIR(S): Joni Seager, Bentley University
2:40 Farhana Sultana*, Syracuse University, *Gender, climate change and the politics of adaptation*.
3:00 Nancy Davis Lewis, PhD*, East-West Center, *In the Eye of the Storm: Gender and Extreme Weather Events*.
3:20 Renata Ramasra, M.A.*, University of Toronto, *Spaces of justice: the role of women in the negotiation of carbon finance projects*.
3:40 Dianne E. Rocheleau, Professor*, Clark University, *Situated Sciences and Global Environmental Justice: Feminist Alternatives*.
- 1570. Vegetation Dynamics II (Sponsored by Biogeography Specialty Group)**
Room: Hampton, Omni Shoreham (Paper Session)
 ORGANIZER(S): Daehyun Kim, University of Kentucky
 CHAIR(S): Daehyun Kim, University of Kentucky
2:40 Ashley Pipkin*, Texas A&M University; Charles Lafon, Texas A&M, *The Influence of Fire on the Ericaceous Shrub community of the Appalachian Mountains*.
3:00 Barbara A. Holzman, PhD*, San Francisco State University; Brian Harvey, San Francisco State University, *Long term vegetation response to fire in the Bishop Pine Forest at Point Reyes National Seashore*.
3:20 John F. O'Leary*, Department of Geography, San Diego State University; William R. Bredemeyer, Department of Geography, San Diego State University, *Influence of Burn History on Recovery Patterns of Ceanothus Chaparral in San Diego County, California*.
3:40 Joy Nystrom Mast, Ph.D.*, Carthage College; Melissa Savage, Ph.D., University of California- Los Angeles; Johann Feddema, Ph.D., University of Kansas, *Love Your Shrub: Pushing ponderosa pine forests past their ecological threshold in New Mexico*.

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- 4:00** Serena R. Aldrich*, Texas A&M University; Charles W. Lafon, Dr., Texas A&M University; Henri D. Grissino-Mayer, Dr., University of Tennessee, Knoxville; Georgina G. DeWeese, Dr., University of West Georgia, *Fire History of Three Central Appalachian Mountain Landscapes Through Multiple Land Use Episodes.*
- 1572. Borders and cities 2 (Sponsored by Political Geography Specialty Group)**
Room: Senate, Omni Shoreham (Paper Session)
 ORGANIZER(S): Christophe SOHN, CEPS/Instead; Francisco Lara
 CHAIR(S): Rudolf Giffinger
2:40 Caroline Creamer*, Student; John Driscoll, non-member; Jim Berry, non-member, *Inter-Municipal collaboration across borders: Overcoming legal and institutional differences in the Irish Border region..*
3:00 Jen Nelles*, University of Toronto, *Cooperation in Crisis?: An Analysis of Cross-Border Intermunicipal Relations in the Detroit-Windsor Region in Times of Restructuring and Recession.*
3:20 Bernard Reitel*, Université de Haute-Alsace, CRESAT, Mulhouse, *Temporalities of borders and urban development of cities in border situations. The evolution of urban production in the tri-national agglomeration of Basle and the Franco-German town of Strasbourg.*
3:40 Rudolf Giffinger*, *Metropolitan development in a cross border region: Challenges of strategic efforts in Centrop.*
4:00 Gregory Hamez*, University of Metz; Sophie de Ruffray, University of Rouen, *Processes of border city integration in France. Methodological questions and first results.*
- 1574. Qualitative Research Methodologies**
Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Paul R Watts, Louisiana State University
2:40 Paul R Watts*, Louisiana State University, *What does democracy look like? Visual methods and public protests.*
3:00 Matthew W. Wilson*, Ball State University, *Data Matter(s): Constructing Legitimacy by Coding Neighborhood Quality-of-Life.*
3:20 Tatek Abebe*, Norwegian Centre for Child Research, *Producing ethical spaces in qualitative research with vulnerable young people.*
- 1575. Challenges of Tourism**
Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Nara Nanae Sano, University of São Paulo
2:40 Rachel Dodds, Dr., Ryerson University; Natalie Thiesen, B.Sc*, Ryerson University, *Are Fairly Treated Porters Only an Ideal for Tourism in Tanzania? The Role of Tanzania's Operators In Sustaining Mount Kilimanjaro?.*
3:00 Mark McCarthy, BA, PhD, FRGS*, Galway-Mayo Institute of Technology; Charlene Blooe, BA*, Galway-Mayo Institute of Technology, *An Analysis of Festival Tourism in the West of Ireland.*
3:20 Bernard Lane*, Journal of Sustainable Tourism; Louise Twining-Ward, Dr., *Sustainable Tourism: A tested paradigm with a new lease of life.*
3:40 Nara Nanae Sano*, University of São Paulo; Nara Nanae Sano, São Paulo University (USP), *Is Antarctic Tourism a case for International Regulation?.*
- 1576. Obesity; Neighborhood Food; Activity Resources**
Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Brent Thelen, Grand Valley State University
2:40 Paul L. Robinson, PhD*, Charles Drew University; Fred Dominguez, MD, MPH, Charles Drew University; Seniat Teklehaimanot, MPH, Charles Drew University, *Energy Balance Related Behaviors, Obesity and the Local Neighborhood Environment..*
3:00 Akihiko Michimi*, South Dakota State University; Michael C. Wimberly, South Dakota State University, *Patterns of Supermarket Accessibility in the Conterminous United States: Associations with Obesity and Fruit/Vegetable Consumption.*
3:20 Marilyn M Guidry, MA, MPH*, *Characterizing Supermarket Service Areas and Gaps in Urban Neighborhoods.*
3:40 Tamara Biegas*, Texas State University - San Marcos, *A Geographic Analysis of Fast Food Restaurants, School Districts and BMI.*
4:00 Brent Thelen*, Western Michigan University, *Who Lives There?: an investigation of the food landscape of Kalamazoo, Michigan.*
- 1578. Intersections of Race, Wage, Labor, and Immigration**
Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Madhusudana N. Rao, Bridgewater State College
2:40 Laurie Darian Trautman*, University of Oregon, *Title: Economic recession and rural amenity destinations: exploring the affects on Latino immigrants and domestic migrants.*
3:00 Amy R. Sumpter*, Georgia College and State University, *Working in the Woods: Race and Labor in the Piney Woods of southeast Louisiana, 1878-1954.*
3:20 Haywon Lee, Ph.D. Candidate*, Princeton University, *Structural Determinants of Black-White Wage Inequality by Educational Attainment.*
3:40 Madhusudana N. Rao,*, Bridgewater State College, *Specialty Occupation Immigrants in the US: Consequences and Contradictions.*
- 1579. Warfare and Memory II**
Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Sara McDowell, University of Ulster
 CHAIR(S): Sara McDowell, University of Ulster
2:40 Shaul Cohen*, Dept. of Geography, University of Oregon, *Ritualized resistance: The choreography of anti-parades in Derry/Londonderry, Northern Ireland.*
3:00 Alexis Buckley*, Rutgers University, Department of Geography, *Counter-memorials and the Politics of Place: Murals as Memory-works in Northern Ireland.*
3:20 Keith Barney, Doctoral Candidate*, Department of Geography, York University, *Arc-Light Eucalypts: Agri-Business Investment and Spectacles of Purification Along the Ho Chi Minh Trail Zone of Southern Laos.*
3:40 Cary Karacas, Assistant Professor*, College of Staten Island, *War Memories and Peace Museums in Urban Japan.*

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1602. Spatiality and Equity in the City

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Johana Londoño, New York University

4:40 Bernadette Hanlon*, University of Maryland - Baltimore County; John Rennie Short, University of Maryland - Baltimore County; Thomas J. Vicino, Northeastern University, *The New Metropolitan Reality Model of the U.S. Metropolis*.

5:00 Lee Hachadoorian*, CUNY Graduate Center, *A Spatialized Rawlsian Analysis of Urban-Suburban Inequality*.

5:20 Eduardo Marandola Jr.*, University of Campinas - Population Studies Center, *Migrant and non-migrant life space maps and the sense of home in the metropolitan experience*.

5:40 Johana Londoño*, New York University, *The Spatial and Aesthetic Logic of Urban Latinidad: The Political Possibilities of the Contemporary Aesthetics and Spatiality of Urban Latino Culture and Identity*.

1603. Economic Geography: Topics in Globalization

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bora Kim

4:40 Aysen Hic Gencer, Ph.D.*, Beykent University, *Gravity Modeling of International Trade in the Age of Globalization*.

5:00 Aaron Malone*, Ohio University, *Globalization in an 'Ordinary City': A view from Muncie, Indiana*.

5:20 David John Hayward*, University of Auckland, *Virtual Water and the Global Food Trade: The Case of New Zealand*.

5:40 James Lewandowski*, West Chester University, *Scale economies and the foreign production of US multinationals*.

6:00 Bora Kim*, *Neoliberal Enclaves: Evolution of Free Economic Zones and the Role of the 'Free Economic Zone Law' as the Special Law*.

1604. Affective Geographical Explorations of Faith (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Caitie Finlayson, Florida State University;

Brad Huff, Florida State University

CHAIR(S): Caitie Finlayson, Florida State University

4:40 Caitlin Finlayson, Ph.D. Candidate*, Florida State University, *Spaces of Faith: Perspectives on the Geographical Exploration of Houses of Worship*.

5:00 Brad Huff, ABD*, Florida State University, *Spatial Signatures of Sacred Settlements*.

5:20 Julian J. Holloway*, Manchester Metropolitan University, *The Space that Faith Makes: Dispositions, Sensibilities and the Politics of Religious Geographies*.

5:40 Martha Kinney*, Suffolk County Community College, *Spatialization and Ritual Effectiveness within the Roman Catholic Sacrament of Reconciliation*.

1605. Writing Urban Historical Geography: Issues of Research, Authorship, and Publication (Sponsored by Urban Geography Specialty Group, Historical Geography Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Brian J. Godfrey, Vassar College; Harvey K. Flad, Vassar College

CHAIR(S): Brian J. Godfrey, Vassar College

Introducer: Brian J. Godfrey

Panelists: Craig Colten, Louisiana State University; Harvey K. Flad, Vassar College; Anne E. Mosher, Syracuse University; Lydia M. Pulsipher, University of Tennessee; Joseph L. Scarpaci, Virginia Military Institute; Michael P. Conzen, University of Chicago; Brian J. Godfrey, Vassar College

1608. Modeling, Mitigating, and Predicting Infectious Disease

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): J. Gaines Wilson, University of Texas at Brownsville

4:40 Jason K Blackburn, PhD*, Spatial Epidemiology and Ecology Research Laboratory, Emerging Pathogens Institute and Department of Geography, University of Florida, Gainesville; Martin E Hugh-Jones, Vet M.B., PhD, Department of Environmental Sciences, Louisiana State University; David L Hunter, DVM, Turner Endangered Species Fund, Bozeman, MT; Kristina McNyset, PhD, NOAA, Corvallis, OR, *Field Validation of Fundamental Niche Predictions of Bacillus anthracis for the U.S. Using Multiple Niche Modeling Applications*.

5:00 Zhenyu Jin, University of Utah; Zhiben Jiang, Tsinghua University; Di Liu, Institute of Microbiology, Chinese Academy of Sciences; Lu Liang, Institute of Remote Sensing Applications, Chinese Academy of Sciences; Xiaolan Li, Tsinghua University; Guirong Wang, Tsinghua University; Michael Timberlake, University of Utah; Peng Gong, University of California, Berkeley; George Gao, Institute of Microbiology, Chinese Academy of Sciences; Bing Xu*, University of Utah, *Climatological and geographical impacts on global pandemic of swine-origin 2009 A (H1N1) influenza*.

5:20 Liang Mao*, SUNY - Buffalo, *A Dual-Diffusion Network Model for Influenza and Human Preventive Behaviors*.

5:40 Lashale Pugh, Ph.D*, Youngstown State University, *A Comparison of the Socio-demographic Characteristics Associated with West Nile Virus and 2009 H1N1 Influenza A virus*.

6:00 J. Gaines Wilson*, University of Texas at Brownsville, *Pigs flying through time and space: spatiotemporal analysis of the 2009 H1N1 pandemic from the US-Mexico Border*.

1609. Property in Many Registers

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Heather Dorries, University of Toronto; Shiri Pasternak, University of Toronto

CHAIR(S): Shiri Pasternak, University of Toronto

4:40 Sarah A Lewison, Associate Professor Radio TV*, Southern Illinois University Carbondale, *What is Belonging to the Land: Mobilizing Against Real Estate in Defense of Mother Earth*.

4:56 Shiri Pasternak*, University of Toronto, *If this is a trapline: Property in the registers of Sovereignty, Dispossession-Accumulation, and Ontology on Barriere Lake Algonquin territory*.

5:12 Nicholas A Brown*, University of Illinois at Urbana-Champaign, *Mapping White Possession*.

5:28 Simon Springer*, National University of Singapore, *Violent accumulation: a (post)anarchist critique of property, dispossession, and the state of exception in neoliberalizing Cambodia*.

5:44 Heather Dorries*, University of Toronto, *Local Governance and the Jurisdictional Logic of Property*.

6:00 Tom Young*, University of Toronto, *Land as Asset: Livelihood, Regulation and the Ethics of Extracting Value*.

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1610. Identity, Space, and Politics in Africa

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Angela M. Gray, University of Wisconsin Oshkosh

4:40 Michael Strauss*, University of Toledo, *Greed, Grievance and Guns: Agents of African Identity.*

5:00 Audra Elisabeth El Vilay*, The University of Arizona, *Slavery as common sense: rationalized oppression and the Haratine liberation movement in Mauritania.*

5:20 Hanrahan Kelsey*, University of Kentucky, "M?n" (*To Marry/To Cook*): *Expanding the Scale of a Wife's Kitchen/workspace Beyond the Domestic Sphere in Northern Ghana.*

5:40 Ibipo Johnston-Anumonwo*, SUNY Cortland, *Social Justice, Restructuring, and Gender in Africa: Analysis of Varying Responses.*

6:00 Angela M Gray*, University of Wisconsin Oshkosh, *Creating and contesting nationalities along the Zambian border during Mozambique's liberation struggle.*

1611. Urban Food Security: A Future Research Frontier? (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)

Room: Nathan Hale, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Daniel Warshawsky, University of Southern California

CHAIR(S): Daniel Warshawsky, University of Southern California

Introducer: Daniel Warshawsky

4:42 Daniel Warshawsky*, University of Southern California, *State, Civil Society, and Food Insecurity in Post-Apartheid Johannesburg.*

5:00 William G. Moseley*, Macalester College, *Lessons from the 2008 Global Food Crisis: Urban Food Security and Rural Livelihoods in Mali.*

5:18 Cecilia Rocha*, Ryerson University, *How unique is the alternative food system created in Belo Horizonte, Brazil?*

5:36 Jane Battersby, Dr*, University of Cape Town, *Beyond the food desert: Geographies of food access in Cape Town, South Africa.*

Discussant(s): Jonathan Crush, Queen's and UCT; Miriam Grant, University of Calgary

1619. Geography at HBCUs

Room: Thomas Paine, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Douglas Reardon, Coppin State University; David A. Padgett, Tennessee State

CHAIR(S): Douglas Reardon, Coppin State University

Panelists: Daniel R. Block, Chicago State University; Russell Miles Smith

1620. High Performance Computing for Geographic Sciences (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Qunying Huang, MS; Qingfeng Guan, University of Nebraska - Lincoln

CHAIR(S): Shaowen Wang, University of Illinois at Urbana-Champaign

4:40 Eric Shook*, University of Illinois at Urbana-Champaign; Shaowen Wang, University of Illinois at Urbana-Champaign; Wenwu Tang, University of Illinois at Urbana-Champaign, *Examining the influence of spatial patterns on parallel agent-based modeling performance.*

5:00 Markku J. Tykkylainen*, University of Eastern Finland; Olli Lehtonen, University of Eastern Finland; Lauri Korhonen, University of Eastern Finland; Taneli Kolstrom, University of Eastern Finland; Julian Lin, University of Eastern Finland; Jan Westerholm, Abo Akademi; Mats Aspnas, Abo Akademi; Artur Signell, Abo Akademi; Johan Schoring, Abo Akademi; Magnus Sodergard, Abo Akademi; Kristoffer Paro, Abo Akademi; Jens Smeds, Abo Akademi, *Scenarios out of the current economic crises in the forest sector in a wooded, resource-processing region in Finland.*

5:20 Kathleen M Baker*, Western Michigan University; Doug Rivet, Western Michigan University; Steven Schultze, Western Michigan University; Scott Austin, Western Michigan University; Jason Smith, Western Michigan University, *Forecast Accuracy in Crop Disease Early Warning Systems.*

5:40 Derya Ozgoc-Caglar*, California State University, Fresno; Richard L. Farnsworth, Purdue University, *Integrating SMCDA and ModelBuilder to improve the performance of federal conservation programs.*

6:00 Li Zhou*, University of Cincinnati; Lin Liu, University of Cincinnati, *Simulating the daily price-setting behaviour of gas stations in Cincinnati by agent-based system.*

1621. Cartographic engagement and the social life of maps (Sponsored by Cultural Geography Specialty Group, Cartography Specialty Group)

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

ORGANIZER(S): Jorn Seemann, Louisiana State University

CHAIR(S): Jorn Seemann, Louisiana State University

4:40 Rob Kitchin*, National University of Ireland; Martin Dodge, University of Manchester, *Towards a new cartographic epistemology.*

5:00 Jorn Seemann*, Louisiana State University, *Cartographic story-telling, performance of way-finding and (e) motional mapping.*

5:20 Chris Perkins*, University of Manchester, *Public cartographies: the remediation of Russian mapping.*

5:40 Adam T Tecza*, University of Buenos Aires, University of Pennsylvania; Maria Elisa Brussa, Dr.j, Universidad Nacional de La Plata (Argentina), *Public Space Interventions and the Application of the Portulano Method.*

Discussant(s): Margaret Pearce

1622. Ananya Roy and commentators on 'Poverty Capital: Microfinance and the Frontiers of Millennial Development'

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

ORGANIZER(S): Matthew Sparke, University of Washington

CHAIR(S): Matthew Sparke, University of Washington

Panelists: Victoria A. Lawson, University of Washington; Ananya Roy, University of California - Berkeley; Katharine Rankin, University of Toronto; Stephen Young, University of Washington; Michael Watts, University of California

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1623. AAG Honorary Geographer Nora Volkow Mapping the Addicted Human Brain

Wednesday, April 14, 4:40 p.m. - 6:20 p.m.

Room: Coolidge, Marriott, Mezzanine Level

Organized by: Association of American Geographers

Introduction: Douglas Richardson, AAG Executive Director

Speaker: **Nora Volkow**, Director, National Institute on Drug Abuse

The AAG's 2010 Honorary Geographer, Nora D. Volkow, M.D., Director of the NIH National Institute on Drug Abuse (NIDA) will give a presentation on her research, which uses brain imaging to "map" the effects of drugs and their addictive properties. Dr. Volkow was designated the 2010 Honorary Geographer for creatively thinking beyond the bounds of her own discipline in working collaboratively with the AAG to increase research on the ways that geographical context intersects with drug addiction, leading to a better understanding of its etiology, its diffusion, and its interaction with geographically variable social, economic, and environmental factors. Dr. Volkow will take questions following her presentation.

1624. Convergence in the GeoWeb: Volunteered geographic information, spatial data infrastructures, and public participation GIS II (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Barbara Poore, United States Geological Survey; Nama Budhathoki, University of Illinois at Urbana-Champaign

CHAIR(S): Nama Budhathoki, University of Illinois at Urbana-Champaign

4:40 Barbara Poore*, United States Geological Survey, *Finding the Users of Spatial Data Infrastructures*.

5:00 Eric Bradway Wolf*, United States Geological Survey, *SDIs for Neogeographers?*.

5:20 Sean P Gorman, PhD*, FortiusOne, *Geoabling the Masses: Practical Lessons from the Field Bringing Geography to the Burakumin*.

5:40 Tim Nyerges*, University of Washington, *Research Directions for GIS and Participation on the GeoWeb*.

Discussant(s): Daniel Z. Sui, Ohio State University

1625. Managing the quality of our waters in a changing world: Land-use and climate change issues - II (Sponsored by Water Resources Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Philippe Vidon, IUPUI; Lora Harris, University of Maryland Center for Environmental Science

CHAIR(S): Sujay Kaushal, University of Maryland Center for Environmental Science

4:40 Anthony D Cak, School of Public and Environmental Affairs*, Indiana University; Emilio F Moran, Department of Anthropology, Indiana University, *The Changing the Amazon Landscape: Dynamics of Land Use and Land Cover in Small Watersheds of the Brazilian Amazon*.

5:00 Britta Bierwagen, PhD, U.S. EPA; Dave Theobald, PhD, Colorado State University; Philip Morefield*, Student Services contractor to EPA, *Nationwide impacts of housing development and climate change on watershed impairment*.

1626. Materializing Queer Space: toward a radical pragmatics (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jen Giesekeing, CUNY - Graduate Center; Mathias Detamore

CHAIR(S): Natalie Oswin, McGill University

4:40 Mathias Detamore*, University of Kentucky, *Doing research through the body: gay life, rural Appalachia, and the politics of intimacy*.

5:00 Farhang Rouhani*, University of Mary Washington, *Complicating Queertopias: The Story of the Richmond Queer Space Project*.

5:20 Catherine Jean Nash, Association Professor*, Brock University, St. Catharines, ON Canada, *Queering Parkdale: queer space and Toronto's gay village*.

5:40 Danielle Lewis*, Concordia University, *The Turcot Interchange: Community Encounters with a Queer Sublime*.

6:00 Jen Giesekeing*, CUNY - Graduate Center, *Getting Over the Neighborhood: Contesting the Ideal LGBTQ Space (and Urban Space) via Everyday Urban Productions of Lesbians' and Queer Women's Spatialities*.

1627. New methods in Transportation Research (Sponsored by Spatial Analysis and Modeling Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Michal Isaacson, The Hebrew University of Jerusalem

CHAIR(S): Michal Isaacson, The Hebrew University of Jerusalem

4:40 Thomas Koch, PhD*, University of British Columbia, *Access, Accessibility and disability: A new approach to transportation barriers*.

5:00 Bradley Neish*, ORNL; Eddie Bright, ORNL; Budhendra L. Bhaduri, Ph.D., ORNL, *Populations in Transit: A Case Study of Washington, DC Rush Hour Metro Population Distributions*.

5:20 Chang-Hyeon Joh*, Kyung Hee University; Chulsue Hwang*, Kyung Hee University, *A Time-Geographic Analysis of Trip Trajectories and Land Use Characteristics in Seoul Metropolitan Area by using Multidimensional Sequence Alignment and Spatial Analysis*.

5:40 Michal Isaacson*, The Hebrew University of Jerusalem, *Studying Repetition and Routine using High Resolution Time-Space Data: A New Approach to a Recurring Problem*.

1628. Biogeography Specialty Group PhD Student Paper Competition (Sponsored by Biogeography Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Gabrielle L. Katz

CHAIR(S): Gabrielle L. Katz

4:40 Christopher A. Underwood*, The University of Tennessee; Sally P. Horn, The University of Tennessee; Lisa B. LaForest, The University of Tennessee; Henri D. Grissino-Mayer, The University of Tennessee, *Fire and Forest History in the Southern Appalachian Mountains, U.S.A.: Extending the Tree-Ring Record Using Soil-Charcoal Analysis*.

5:00 Kathryn Hrinkevich*, University of Northern British Columbia; Kathy Lewis, University of Northern British Columbia, *Historical mountain pine beetle outbreak dynamics in north-central British Columbia*.

5:20 Grant P Elliott*, University of Missouri, *Multi-Scale Influences of Climate on Upper Treeline Dynamics along a Latitudinal Gradient in the Rocky Mountains, USA*.

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1631. Geographies of Exclusion in Europe (Sponsored by Russian, Central Eurasian, and East European Specialty Group, European Specialty Group, Population Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee; Toby Applegate, Rutgers, The State University of New Jersey

CHAIR(S): Micheline Van Riemsdijk, University of Tennessee

4:40 Benjamin J Thorpe*, University of British Columbia, *Outside the International: Roma, Europe, And The Leaky Valves of Modernity.*

5:00 Kari Burnett*, Rutgers University, *Integration of Refugees in the Czech Republic: Policy vs. Practice.*

5:20 Toby Martin Applegate*, Rutgers, The State University of New Jersey, *The limits of gathering: NGOs, transhumant geographies, and human rights in Slovenia..*

5:40 C. Laura Lovin*, Rutgers University, Women's and Gender Studies Department, *Invisible Independenta: The Production of Urban Space for Touristic Consumption in 2007 Sibiu-European Capital of Culture.*

Discussant(s): Peter Kabachnik, College of Staten Island - CUNY

1632. Challenges in Children's Research: Bumps in the Road from Theory to Practice (Sponsored by Graduate Student Affinity Group, Qualitative Research Specialty Group)

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Elise Bowditch, University of Washington; Dena Aufseeser, University of Washington

CHAIR(S): Elise Bowditch, University of Washington

4:40 Dena Aufseeser*, University of Washington, *Defining children's participation: Work with street children in Peru.*

5:00 Kari B. Jensen*, Hofstra University, *Methodological and Ethical Challenges in Research with Children in Bangladesh.*

5:20 Kristina Gibson*, University of Connecticut, *Disappearing subjects: ethics and agency in participatory action research with street kids.*

5:40 Henna Aslam, MIPH*, Bloorview Research Institute; Patricia McKeever, PhD, Bloorview Research Institute; Helen Scott, PhD, Bloorview Research Institute; Lindsay Stephens, PhD (Candidate), University of Toronto; Claire Major, PhD (Candidate), York University, *Eliciting Physically Disabled Children's Assessments of Their Built Environments: Challenges And Opportunities Using Child-Friendly Data Collection And Mapping Techniques.*

1633. Critical Perspectives on Ecological and Environmental Knowledge(s) III: Political Conflict and Social Struggle (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Sya Burynd Kedzior, University of Kentucky; Garrett Graddy, University of Kentucky

CHAIR(S): Garrett Graddy, University of Kentucky

4:40 Nicolas Houde*, McGill University, *The limiting effect of a discourse of tradition in resolving environmental management disputes.*

5:00 Marcela Andrea Palomino-Schalscha*, University of Canterbury, *Indigenizing development: Place and culture in Queuco Valley, Alto Bio Bio, Chile.*

5:20 Sya Burynd Kedzior*, University of Kentucky, *Anti-Pollution Collective Action Movements and Struggles over Environmental Knowledge in India's Central Ganges River Basin.*

5:40 Jacquelyn Southern*, York College, CUNY, *Unions, Cultural Production, and the Environmental Imaginary.*

Discussant(s): Garrett Graddy, University of Kentucky

1634. The Rising Powers and the 'new' geographies of international development II (Sponsored by Africa Specialty Group, China Specialty Group)

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Giles Mohan, The Open University, UK

CHAIR(S): Giles Mohan, The Open University, UK

4:40 Chris Blackden*, University of Kentucky, *India's 2002 Trade Policy Review and the Realignment in the WTO.*

5:00 Kate Griffiths*, University of Sydney, *Cultures of Aid in Cambodia: Traditional Donors and China.*

5:20 Cristina Scarpocchi*, University of Valle d'Aosta; Paolo Giaccaria, Università di Torino, *Rising powers, old strategies? The Grey Zone between Official Development Assistance and Foreign Direct Investments.*

5:40 Philippa Brant*, University of Melbourne, Australia, *Beijing Consensus? Chinese Development Assistance in the South Pacific.*

Discussant(s): Emma Mawdsley, Cambridge University

1635. Diverse Approaches and Strategies for Spatial Thinking (Sponsored by Geography Education Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Diana Stuart Sinton, University of Redlands

CHAIR(S): Diana Stuart Sinton, University of Redlands

Panelists: Sarah Witham Bednarz, Texas A&M University; Donald Janelle, University of California, Santa Barbara; Diana Stuart Sinton, University of Redlands; Claire Jarvis, University of Leicester UK; David Uttal, Northwestern University

1640. Reclaiming the city: new urbanisms in the Global South-Session II (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Koenraad Bogaert, Ghent University; Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin

CHAIR(S): Koenraad Bogaert, Ghent University

4:40 Sanjukta Mukherjee*, University of Toronto, *The Bangalore Brand: Uneven Geographies of India's hi-tech boom.*

4:55 Ozan Karaman*, University of Minnesota, *Revanchist urbanism and spatialities of dispossession in Istanbul.*

5:10 William Kutz*, University of Miami, *Globalization and Urban Managerial Restructuring in Tangier, Morocco.*

5:25 Martin J. Murray, Ph.D.*, Taubman College of Architecture and Urban Planning, *Policing the Carceral City: New Modes of Spatial Management in Johannesburg after Apartheid.*

5:40 Kathryn M Furlong, PhD*, University of Manchester, *The municipal shareholder: corporate utilities and water supply in Colombia.*

Discussant(s): Christopher Parker, Ghent University

WEDNESDAY, APRIL 14 • 4:40 PM - 6:20 PM • 1600**1641. German Cities in the World City Network 3 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)****Room:** Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Alain Thierstein, Munich University of Technology; Michael Hoyler, Loughborough University

CHAIR(S): Stefan Lüthi, Technische Universität München

4:40 Hans-Martin Zademach*, KU Eichstätt-Ingolstadt; Robert Musil, ÖAW Wien, *Global integration along historic pathways: The reconfiguration of financial markets in Vienna and Munich.***5:00** Britta Klagge*, University of Osnabrueck; Carsten Peter, University of Osnabrueck, *Changes in the German urban system - a financial-sector perspective.***5:20** Mirko Titze*, Halle Institute for Economic Research; Matthias Brachert, Halle Institute for Economic Research; Alexander Kubis, Halle Institute for Economic Research, *Horizontal and vertical dimensions of industrial clusters - methodical aspects with an application to the city of Dresden.*

Discussant(s): Jonathan V. Beaverstock, The University of Nottingham

1646. Educating Ethnic Geographers (Sponsored by Population Specialty Group, Cultural Geography Specialty Group, Ethnic Geography Specialty Group)**Room:** Lincoln Room 2, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Lawrence E. Estaville, Texas State University; John Frazier, Binghamton University

CHAIR(S): John Frazier, Binghamton University

Panelists: Selima Sultana, University of North Carolina-Greensboro; Alan P. Marcus, Towson University; Edris Montalvo, Texas State University - San Marcos; Jayajit Chakraborty, University of South Florida; Heather Anne Smith, University of North Carolina at Charlotte

1647. Deconstructing Regional Advantage: Comparative Perspectives on Knowledge Bases and Innovation Systems 2**Room:** Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Jerker Moodysson, CIRCLE, Lund University, Sweden; Bjorn T. Asheim, Lund University, Sweden

CHAIR(S): Bjorn T. Asheim, Lund University, Sweden

4:40 Franz Toedting*, Vienna University of Economics and Business; Grillitsch Markus, Vienna University of Economics and Business; Christoph Hoeglenger*, Vienna University of Economics and Business, *Innovation and knowledge sourcing in different types of regional innovation systems - Comparing ICT firms in regions of Austria.***5:00** Pavla Zizalova*, Charles University in Prague; Jiri Blazek, Charles University in Prague; Petr Rumpel*, University of Ostrava; Karel Skokan, Technical University of Ostrava; Petr Chladek, *Could the state of the art approaches towards the innovation support be applied by the regional authorities in NMS? (The case of the Czech Republic).***5:20** Oliver Plum*, University of Kiel, Department of Geography, *Knowledge Sourcing and Interactive Innovation Processes: Empirical Evidence from the Automotive Industry in Southwest Saxony, Germany.***5:40** Tom Broekel, Dr. *, Utrecht University; Ron Boschma, Prof., Utrecht University, *The aviation and the space industry in the Netherlands - related variety or just a shared past?***6:00** Yaprak Gulcan, Assoc. Prof., Dokuz Eylül University Faculty of business; Yesim R. Kustepeli, Assoc. Prof. *, Dokuz Eylül University Faculty of business; Mehmet Aldonat Beyzatlar, Research Assistant, Ph. D. student, Dokuz Eylül University Faculty of Business, *The Effect of Variety on Regional Economic growth in Turkey: A Panel Data analysis.***1648. The European / Post-Soviet City: Identity, Memory, Symbolism, and Politics IV (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)****Room:** Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Joshua Hagen, Marshall University; Paul Stangl, Western Washington University

CHAIR(S): Michael Heffernan, University of Nottingham

4:40 Benjamin Forest*, McGill University; Juliet Johnson, McGill University, *The Power of Symbolic Capital: Public Participation in Post-Communist Memorialization.***5:00** Steven Hoelscher*, University of Texas, *A Natural Memory of Destruction? The Case of Dresden's Firebombing.***5:20** Craig Young, Dr. *, Manchester Metropolitan University, *History, memory and identity in the post-socialist 'European' city: the continuity of socialist cultural landscapes in Bucharest.***5:40** David Atkinson*, University of Hull, UK, *On the struggle to represent terror monumentally: the afterlife of the Risiera di San Sabba death camp in Trieste.***6:00** Mary Shields Robinson, M.A. candidate*, Miami University, *Can You Tell Me How to Get to KLA Street?: Examining the political affectivity of commemorative toponyms.***1649. Multiple property practices in post-soviet space (Sponsored by Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group, Russian, Central Eurasian, and East European Specialty Group)****Room:** Lincoln Room 5, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Marianna Pavlovskaya, Hunter College

CHAIR(S): Marianna Pavlovskaya, Hunter College

4:40 Marianna Pavlovskaya*, Hunter College, *Post-soviet space as a site of possibility.***5:00** Jake Fleming*, University of Wisconsin - Madison, *Herders, Reformers, and Rescaling Property in Pastoral Kyrgyzstan.***5:20** Peter Lindner*, University of Frankfurt, *Beyond Private and Collective: Re-Establishing Property Relations in Post-Soviet Russia.*

Discussant(s): Nicholas Blomley, Simon Fraser University

1650. The International Journal of Urban and Regional Research Lecture: Entropy by design: nature, landscape and late-modern metropolis (Sponsored by The International Journal of Urban and Regional Research)**Room:** Lincoln Room 6, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Roger Keil, York University

CHAIR(S): Roger Keil, York University

Panelists: Matthew Gandy, University College London

WEDNESDAY, APRIL 14 • 4:40 PM - 6:20 PM • 1600**1651. Silent Crisis or Unspoken Solution? Downgrading, Downsizing, and Degazettement of National Parks and Protected Areas (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**

Room: Washington Room 1, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Michael Mascia, World Wildlife Fund; Sharon Pailler

CHAIR(S): Michael Mascia, World Wildlife Fund

4:40 Michael B Mascia*, WWF; Sharon Pailler, WWF; David Burns, Yale U.; Dana Murray, USCB; Volha Roschanka, U. Maryland, *Silent Crisis or Unspoken Solution? Protected Area Downgrading, Downsizing, and Degazettement, 1900-2009.*

5:00 Volha Roshchanka*, University of Maryland, *Protected Area Downgrading, Downsizing, and Degazettement in Asia: Patterns and Processes.*

5:20 David N. Burns*, Yale School of Forestry & Environmental Studies, *Protected Area Downgrading, Downsizing, and Degazettement: Trends and Patterns in Latin America and the Caribbean.*

5:40 Sharon Pailler*, World Wildlife Fund, *Protected Area Downgrading, Downsizing and Degazettement in Africa: local pressures, global demands, and everything in-between.*

6:00 Peter G Veit*, World Resources Institute, *Park Degazettement and the Public Trust Doctrine in Uganda.*

1652. Coupled Human and Natural Systems (CHANS): Land-Use/-Cover/-Scape Dynamics II

Room: Washington Room 2, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): William J. McConnell, Michigan State University; Thomas J. Baerwald, National Science Foundation

CHAIR(S): Jianguo Liu

4:40 Runsheng Yin*, Michigan State University, *Assessing the Impacts of China's Ecological Restoration Programs on Land Use and Rural Livelihood.*

5:00 Xiaodong Chen*, Michigan State University; Frank Lupi, Michigan State University; Andres Vina, Michigan State University; Guangming He, Michigan State University; Jianguo Liu, Michigan State University, *Integrating household characteristics into targeting of conservation investments in payments for ecosystem services.*

5:20 Tricia G. Knoop, Ph.D.*, University of Wisconsin-Madison; Mark Rickenbach, Ph.D., University of Wisconsin-Madison, *Social capital and private forests: the role of personal networks in environmental decision-making.*

5:40 Pedram Rowhani*, McGill University; David Lobell, Stanford University; Marc Linderman, University of Iowa; Navin Ramankutty, McGill University, *The influence of changes in climate on crop yields in Tanzania.*

Discussant(s): Daniel G. Brown, University of Michigan

1654. Topics in Remote Sensing and GIS

Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Anna Tapp, UNC Greensboro

4:40 Bo XI*, SUNY-ESF; Giorgos Mountrakis, SUNY - ESF, *Developing confidence metrics for remote sensing classification.*

5:00 Chunhao Zhu*, *The Research on the Uncertainty and Visualization of Remote Sensing Classification.*

5:20 Li Luo*, SUNY-ESF; Giorgos Mountrakis, SUNY - ESF, *Incorporating intermediate results in remote sensing classifiers.*

5:40 Wenkai Li*, UC Merced; Qinghua Guo, UC Merced, *A Maximum Entropy Approach to One-Class Classification of Remote Sensing Imagery.*

6:00 Anna Tapp*, UNC Greensboro, *Go local: increasing the resolution of rural population counts.*

1655. Green New Deals: Economy and Sustainability after the Crisis (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Energy and Environment Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Rob Krueger, Worcester Polytechnic Institute; David C. Gibbs, University of Hull

CHAIR(S): Nayna Jhaveri, Colgate University

4:40 David C. Gibbs*, University of Hull; Rob Krueger, Worcester Polytechnic Institute; Andy E G Jonas, University of Hull, *A Green New Deal? Economic Stimulus, the State, and the New Environmental Consciousness.*

4:52 Nayna Jhaveri*, Colgate University, *Environmental Security, Climate Change and Neoliberal Geopolitics in the United States.*

5:04 Tassilo Herrschel*, University of Westminster, *'Greening Economic Development' - New Cloak or New Substance for Urban Governance.*

5:16 Pablo Mendez*, University of British Columbia, *Financing the shift to a greener city: Vancouver's Ecodensity Initiative.*

5:28 Byron A. Miller*, University of Calgary, *Sustainable City Betrayed?: the Political Economy of Calgary's Growth in an Era of Economic and Environmental Crisis.*

5:40 Stephanie Pincett, PhD*, Pacific Southwest Research Station, USFS & University of California, *Green Jobs: Siloing the Environment to a Specialty Niche.*

5:52 Peter North*, University of Liverpool, *Building the Low Carbon Economy in the Capital of Culture.*

1657. The securitization of migration: border enforcement, detention, and local policing at the boundaries of neoliberalism III (Sponsored by Political Geography Specialty Group)

Room: Cabinet, Omni Shoreham (Paper Session)

ORGANIZER(S): Nancy A. Hiemstra, Syracuse University; Alison Mountz, Syracuse University

CHAIR(S): Alison Mountz, Syracuse University

4:40 Rupal Oza*, Hunter College, CUNY, *Securing Economic Enclaves in Neoliberal India.*

5:00 Joaquin Villanueva*, Syracuse University, *Disciplining migrants through the "Republican law": local security strategies in France.*

5:20 Austin C Kocher*, The Ohio State University, *Racialized policing practices and 287(g): evidence from North Carolina.*

5:40 Reece Jones*, University of Hawaii at Manoa, *Geopolitical boundary narratives, the global war on terror, and border fencing in India.*

Discussant(s): Nancy A. Hiemstra, Syracuse University

1658. Development of a National Lidar Data Layer

Room: Calvert, Omni Shoreham (Paper Session)

ORGANIZER(S): Gregory Snyder, USGS

CHAIR(S): Gregory Snyder, USGS

Introducer: Gregory Snyder

4:45 Gregory Snyder*, U.S. Geological Survey, *National Lidar Concept - Status and Outlook.*

4:55 Jason Stoker*, USGS, *A National Lidar Dataset: Implications for science.*

5:05 Bob Brinkman, CP, PSM*, Woolpert Inc., *Technical and Design Consideration for Collecting a National Lidar Layer.*

5:15 William S. Schenck, P.G.*, NSGIC, *National LiDAR Applications and Benefits; Perspectives from the States.*

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- 5:25** Hans Karl Heidemann*, USGS/EROS, *The Role of Common Standards, Practices, and Specifications in National Lidar*.

1659. Firms, economies and communities 3

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): James Faulconbridge, Lancaster University; Andrew Jones, Birkbeck, University of London

CHAIR(S): James Faulconbridge, Lancaster University

- 4:40** Selyf Lloyd Morgan*, Cardiff University, *Exploring the Application of Communities of Practice Approaches to Family Farmers*.

- 5:00** Nancy Ettlinger*, Department of Geography, Ohio State University, *Critical theory in topological perspective: de-territorializing de-segregation strategy via communities of practice across space*.

- 5:20** Jianhao Lu*, National University of Singapore, *Negotiating the Moral Terrain: Business Philosophies and Practices of Christian Entrepreneurs*.

Discussant(s): Neil Coe, University of Manchester

1660. Access and Equity in Transportation, Health Care and Employment

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ho-Seop Cha, University of Central Missouri

- 4:40** Sarah Ahmad*, McMaster University, *Awareness of and access to healthcare resources: Public engagement with visible minority communities*.

- 5:00** Annalie L Campos, Ph. D.*, Center for Urban Studies, Wayne State University; Megan Owens, Director, Transportation Riders United, Detroit MI, *Effects of Transportation Spending on Socio spatial Differentiation in the Greater Detroit Area*.

- 5:20** Sarah Champion*, San Diego State University, *Urban Revitalization and Employment Opportunities for Immigrant Women*.

- 5:40** Valerie J. Keathley*, University of Kentucky, *Party in the Back Row: The Moral Geographies of the US Trucking Industry*.

- 6:00** Ho-Seop Cha*, University of Central Missouri, *Implementation of equity in public transportation and its improvement*.

1661. Geographies of Media IV: Film City III: urban encounters on-screen (Sponsored by Communication Geography Specialty Group)

Room: Congressional A, Omni Shoreham (Paper Session)

ORGANIZER(S): Amy Cervenak, University of Toronto

CHAIR(S): Ann Vogel, Singapore Management University

- 4:40** Lisa Marshall*, North Carolina State University/University of North Carolina at Chapel Hill; Joseph E Palis, University of North Carolina at Chapel Hill/North Carolina State University, *Nuclear Narratives and the Cinema of the (Post)Apocalyptic*.

- 5:00** Stephanie Simon*, University of Kentucky, *Eras of Unease, Affects of Potentiality: Post-9/11 Urban Cinemas*.

- 5:20** James Craine*, California State University Northridge; Giorgio Hadi Curti*, San Diego State University, *(En) acting Rio: law, desire and the production of the city in Jose Padilha's Tropa de Elite*.

- 5:40** Kevin John Hunt, PhD*, Nottingham Trent University, *Fear and Learning in Las Vegas: Hunter S. Thompson and the Savage Depths of Urban Spectacle*.

1662. Beyond Sustainability: On Demanding a Politics of Just Sustainable Development (Session III: Alternatives for a Neo-Sustainability Paradigm) (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Congressional B, Omni Shoreham (Paper Session)

ORGANIZER(S): Joseph Pierce, Clark University; Rob Krueger, Worcester Polytechnic Institute

CHAIR(S): Charlyn Pearsall, Temple University

- 4:40** Alina Congreve, BSc, MSc, PhD*, Reading University, *Going Carbon Neutral? Can Community Based Projects Help Encourage a Low Carbon Lifestyle in Low-Income Neighbourhoods?*.

- 5:00** Susannah Bunce*, University of Toronto, *Social Sustainability and Urban Community Land Trusts: Exploring urban CLTs as anti-gentrification and social justice practice*.

- 5:20** David Sauri*, Universitat Autònoma de Barcelona; Laia Domenech, ICTA, Universitat Autònoma de Barcelona; Hug March, Geography, Universitat Autònoma de Barcelona; Marc Parés, Geography, Universitat Autònoma de Barcelona, *"Greening" the hydrological cycle ? alternative water supply systems in suburban Barcelona*.

- 5:40** Paul Milbourne*, Cardiff University, *Growing Places: The Just Sustainabilities of Community Gardening in Disadvantaged Urban Neighbourhoods*.

- 6:00** Michael Finewood*, University of South Carolina, *Redeveloping development: Considering Injustice Through Discourses of Sustainable Development, Private Property, and Environmental Health Science*.

1663. Cluster-based Economic Development: From Analysis to Action (Sponsored by Regional Development and Planning Specialty Group)

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Rajiv Thakur

CHAIR(S): Neil Reid, University of Toledo

- 4:40** Rajiv Thakur, Dr. *, University of South Alabama, *Cluster-based economic development: Recent trends and future challenges*.

- 5:00** Jay D. Gatrell*, Indiana State University; Bruce Smith, Bowling Green State University; Neil Reid, The University of Toledo; Rajiv Thakur, University of South Alabama, *Clusters and listening: Local economic development in place..*

- 5:20** Neil Reid*, University of Toledo; Bruce W. Smith, Bowling Green State University, *Evaluating the Success of an Industrial Cluster*.

1664. Topics in Economic and Cultural Geography

Room: Diplomat, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eliana Consoni Rossi

- 4:40** Alf Baird, Prof. PhD, MCIT, Transport Research Institute, Edinburgh Napier University; Margaret Grieco, Prof. D.Phil. (Oxon), Transport Research Institute, Edinburgh Napier University; Gordon Wilmsmeier, Dipl.-Geogr. *, Transport Research Institute (TRI) Edinburgh Napier University, *Overcoming Territorial Discontinuity -The Need for an Evolutionary Approach for Ferry Services Provision in Scotland*.

- 5:00** Matthew Fockler*, Montana State University, *This Land is Whose Land?: A Framework for Understanding the Role of the Locality in the United States Forest Service*.

- 5:20** Muharem Cerabregu*, University of Prishtina, *Geographical Language a New Scientific Paradigm in Etymology*.

- 5:40** Eliana Consoni Rossi*, Independent Researcher, *A discussion of the impact of the crisis in international passenger air traffic of Brazilian companies*.

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- 1665. Opium Poppy 3: Economic and other drivers of illicit crop production (Sponsored by Spatial Analysis and Modeling Specialty Group, Rural Geography Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: *Director's, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Allison Brown, University of Mass.
 CHAIR(S): Allison Brown, University of Mass.
 Introducer: Allison Brown
 Discussant(s): Michael K. Steinberg, University of Alabama;
 Kyle Thomas Evered, Michigan State University

- 1666. Author Meets Critics: Richard Gilbert and Anthony Perl, 'Transport Revolutions' (Sponsored by China Specialty Group, Energy and Environment Specialty Group, Transportation Geography Specialty Group)**

Room: *Embassy, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Emily Gilbert, University of Toronto
 CHAIR(S): Emily Gilbert, University of Toronto
 Panelists: Richard Gilbert; Andrew R. Goetz, University of Denver; Carol Atkinson-Palombo, University of Connecticut; Markus Hesse, University of Luxembourg; Emily Yeh, University of Colorado

- 1667. Climate Justice**

Room: *Empire, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Sonja Klinsky, University of British Columbia
 CHAIR(S): Sonja Klinsky, University of British Columbia
 Panelists: Sonja Klinsky, University of British Columbia; Gordon Walker, Lancaster University; Shangrila Joshi Wynn, University of Oregon; Renata Ramasra; Brandon Derman, University of Washington; Peter Vancura, Rutgers University

- 1668. Consequences of land use transitions in current and former swidden areas of the humid and sub-humid tropics (Sponsored by Human Dimensions of Global Change Specialty Group)**

Room: *Forum, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Stephen Leisz, Colorado State University
 CHAIR(S): Stephen Leisz, Colorado State University
4:40 Christine Padoch*, New York Botanical Garden; Miguel Pinedo-Vasquez, Columbia University, *Escaped fires and the changing context of swiddening in western Amazonia*.
5:00 Stephen J Leisz, Ph.D.*, Colorado State University, *Farming Systems' Transitions in Vietnam's North Central and Northwestern Mountains: Resiliency and Climate Change*.
5:20 Jefferson Fox*, East-West Center, *Expansion of rubber (Hevea brasiliensis) in Montane Mainland Southeast Asia: What are the prospects for small holders?*.
5:40 Ole Mertz*, University of Copenhagen, *Who is a shifting cultivator? Changing demography and livelihoods at forest-agriculture frontiers*.
 Discussant(s): Susanna Hecht, University of California Los Angeles

- 1669. Geographical Studies of Climate Changes Using GIS, and Remote Sensing Data**

Room: *Governor's, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Roger Sayre, United States Geological Survey
4:40 Robert V. Rohli*, Louisiana State University; Gregory D Bierly, Indiana State University, *Climatology in the Early Days of the Association of American Geographers*.
5:00 Shabnam Delfan Azari*, *A carbon inventory for the Tamar Valley catchment as a basis for assessing impacts of land use change on carbon storage*.

5:20 Philip Groth*, ICF International; Anne Choate, ICF International; Britta Bierwagen, Ph.D., U.S. Environmental Protection Agency; Philip Morefield, Student Services Contractor to U.S. EPA; David Theobald, Ph.D., Colorado State University; Kevin Wright, ICF International, *Investigating impacts of sea-level rise using long-range land-use scenarios*.

5:40 Roger Sayre, PhD*, United States Geological Survey, *Mapping Standardized Ecosystems of Africa - The GEOSS Approach*.

6:00 Tanita Suepa*, Michigan State University; Jiaquo Qi, Michigan State University; Siam Lawawirojwong, Michigan State University, *Satellite Time-series Data for Vegetation Phenology Detection in Southeast Asia*.

- 1670. Wildlife responses to environmental change (Sponsored by Biogeography Specialty Group, Animal Geography Specialty Group)**

Room: *Hampton, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Thomas Albright, University of Wisconsin - Madison; Mary Ann Cunningham, Vassar College
 CHAIR(S): Thomas Albright, University of Wisconsin - Madison
4:40 Thomas Albright*, University of Wisconsin - Madison; Chadwick Rittenhouse, University of Wisconsin-Madison; Anna Pidgeon, University of Wisconsin-Madison; Curtis Flather, USFS-Rocky Mountain Research Station; Murray Clayton, University of Wisconsin-Madison; Brian Wardlow, National Drought Mitigation Center, UN-Lincoln; Patrick Culbert, University of Wisconsin-Madison; Volker Radeloff, University of Wisconsin-Madison, *Birds under stress: Effects of heat waves and drought on US avian communities*.
5:00 David J Lieske, Dr.*, Department of Geography and Environment, *Mapping the Distribution of Maritime Seabirds: Problems and Opportunities of Model-based Approaches*.
5:20 Ryan Robert Reker*, Rainwater Basin Joint Venture, *Geospatial Analysis of Rainwater Basin Wetlands for Waterfowl Habitat Planning*.
5:40 Mary Ann Cunningham*, Vassar College, *Climate-related changes in Breeding Bird Survey data*.
6:00 Russell Fielding*, Louisiana State University, *Coastal Geomorphology and Traditional Whaling Policy: Human-Environmental Interactions in the Faroe Islands*.

- 1671. Modeling Climate Impacts**

Room: *Palladian, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Matthew Williams, Virginia Tech
4:40 Britta G. Bierwagen*, U.S. Environmental Protection Agency; David M. Theobald, Ph.D., Colorado State University; Philip Morefield, Student Services Contractor to U.S. EPA; Philip Groth, ICF International; Anne Choate, ICF International; Christopher R. Pyke, Ph.D., US Green Building Council, *Facilitating integrated assessments of climate and land use change impacts*.
5:00 Jie Song*, Northern Illinois University; Joshua Hatzis, Northern Illinois University, *Modeling the Vegetation Root Distribution for a Changed Precipitation*.
5:20 James A Brey, Director, AMS Education Program*, American Meteorological Society, *AMS Climate Studies: A New Look at Climate Science*.
5:40 Matthew Williams*, Department of Statistics, Virginia Tech; Nicole Goble, Department of Statistics, Virginia Tech; Dong-Yun Kim, PhD, Department of Statistics, Virginia Tech, *A new strategy for modeling time series data with structural change*.

WEDNESDAY, APRIL 14 • 4:40 PM - 6:20 PM • 1600**1672. Borders and cities 3 (Sponsored by Political Geography Specialty Group)***Room: Senate, Omni Shoreham (Paper Session)*

ORGANIZER(S): Christophe SOHN, CEPS/Instead; Francisco Lara

CHAIR(S): Anneliese Louise Vance, Western Washington University

4:40 Peter Balogh*, Södertörn University (Sweden), *Is Szczecin a Gateway or Border guard between Poland and Germany?***5:00** Luisa Veronis, PhD*, University of Ottawa; Brian K. Brian, PhD, University of Ottawa, *Everyday life and the border: immigrants' social and spatial practices in Canada's capital region.***5:20** Margath A. Walker*, San Diego State University, *Guns, Drugs and other Obstacles to Urban Imagineering in Tijuana, Mexico.***5:40** Frederic Giraut*, University of Geneva, *Buffer zone and xenophobic isolationism in the Swiss district of the Geneva cross border agglomeration.***1674. The Politics of Historical Places and Knowledges***Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Tonya Davidson, University of Alberta

4:40 David M. Walker, Ph.D.*, Ohio Wesleyan University, *"Rescuing" Place in Latin America.***5:00** Heather Ward*, East Carolina University/Coastal Resources Mgmt, *Geographically Imagining the Papahānaumokuākea Marine National Monument.***5:20** Jean-David Gerber, PhD*, UC Berkeley, *The influence of property titles on democratic debates. A discussion focusing on the creation of the Aletsch UNESCO world heritage site.***5:40** Eric W. LaFary, PhD Candidate*, The University of Auckland, *The politics of coastal knowledge: networks, practices and values in Auckland, New Zealand.***6:00** Tonya Davidson*, University of Alberta, *Speaking to the Angels: Unmapping Grief, Gender and the "Allegorical Woman" in Ottawa's built environment.***1675. Assessment of Spatial Thinking in Geography Education***Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Robert S. Bednarz, Texas A&M University

4:40 Thomas Jekel*, Austrian Academy of Sciences - GIScience; Karl Donert, Liverpool Hope University; Inga Gryl, University of Koblenz-Landau, *The Role of Geoinformation in Spatial Citizenship.***5:00** Niem Tu Huynh*, Texas State University - San Marcos; Bob Sharpe, Wilfrid Laurier University, *Learning and Teaching the Geospatial Lexicon: Call for Explicit Geography Instruction.***5:20** Roy Cole*, Grand Valley State University, *Motivation and ability in student learning of content knowledge, critical thinking, and spatial ability in a large, general education, world regional geography course.***5:40** Jason E. VanHorn, PhD*, Calvin College; Johnathan Bascom, PhD, Calvin College, *Spatial learning and geographical educational using the GeoLearner.***6:00** Robert S. Bednarz*, Texas A&M University; Injeong Jo, Dept. of Geography, Texas A&M University; Sarah W. Bednarz, Dept. of Geography, Texas A&M University; Andrew G. Klein, Dept. of Geography, Texas A&M University, *GIS Textbooks and Spatial Thinking.***1676. Business and City Enterprises, Innovation, and Geographic Knowledge***Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Poonam Jusrut, University of Illinois At Urbana

4:40 Mari Vaattovaara*, professor, *The Emergence of the Helsinki as an International hub of Knowledge Industries.***5:00** Celine Vacchiani Marcuzzo*, UMR Géographie-cités, Université de Reims; Fabien Paulus, ERL7230 Image, Ville, Environnement, Université de Strasbourg, *Innovative activities and city size, 1960-2000 (USA, France).***5:20** Seth Lunine*, UC Berkeley, *A Proprietary City in the Industrial Metropolis: Factory Location and Urban Entrepreneurialism in Emeryville and Metropolitan Oakland before World War II.***5:40** Poonam Jusrut*, University of Illinois At Urbana, *Integrated Resort Schemes (IRS) and Entrepreneurship Opportunities for the Local Community in Mauritius.***1677. Planning, Geospatial Technologies, and Conflict***Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): David Toooh

4:40 Stefanie Duhr*, Radboud University Nijmegen, Nijmegen School of Management, *Cross-national comparative research in planning: built on solid methodological foundations?.***5:00** Camilla Perrone*, university of Florence, Italy; Giancarlo Paba, full professor, university of Florence, *Deliberative democracy and participation places in Italy.***5:20** Steven Livingston, PhD*, The George Washington University, *Narrative Shifts: Exploring the Role of Geospatial Information Technologies in Global Governance.***5:40** John Sulik*, Florida State University, *Environmental Drivers of Conflict.***6:00** David Toooh*, Florida International University, *Using Geographical Information Systems (GIS) in Conflict Resolution: The Case of the Israeli-Palestinian Dispute.***1678. Marketing Amenities***Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Cameron Owens, Simon Fraser University

4:40 Dominique Vanneste*, University of Leuven (K.U.Leuven), *City Beaches: Social and Economic Significance (Case: Brussels).***5:00** Carolyn Keene*, West Chester University of Pennsylvania; Dr. Dottie Ives-dewey, professor, West Chester University Pennsylvania, *Assessing the Costs of Alternative Development Forms in Lancaster County, Pennsylvania.***5:20** Huili Hao*, Center for Sustainable Tourism, East Carolina University; Derek H. Alderman, Department of Geography, East Carolina University; Pat Long, Center for Sustainable Tourism, East Carolina University, *Identifying Sense of Place Among Property Owners in an Amenity-Rich Mountain County in North Carolina.***5:40** Anne-Marie D'Hautesserre*, University of Waikato, *Utopic urbanism in Marne-La-Vallee.***6:00** Cameron E Owens*, Simon Fraser University, *Why Oppose the Greenest Ski Resort in the World? - Contesting Sustainability in the Kootenays, British Columbia.*

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1679. Cartography

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jessica Hollis, University of Kentucky

4:40 Almaz Sium Naizghi*, Michigan State University; Kirk Goldsberry, Ph.D., Michigan State University, *An Alternative Approach To Ancillary Data In Dasymetric Mapping Techniques*.

5:00 Adele J. Haft, Professor of Classics*, Hunter College of The City University of New York, *"The King of Cuckooz": Rediscovering Kenneth Slessor's "Lost Contrey" on the Barbary Coast*.

5:20 Shin-yi Hsu*, SUNY - Binghamton, *The Wisdom of Lao Tzu for Remote Sensing*.

5:40 Jessica L. Hollis, Visiting Assistant Professor*, Ohio University, *'Enlightenment Cartography and the early Eighteenth-century Novel'*.

6:00 Monica G. Stephens*, University of Arizona; Mark Graham, PhD, University of Oxford, *Mis-match.com: A spatial examination of potential mate selection in cyberspace*.

1680. Changing Population Patterns

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Odeibler Santo Guidugli, University of State of Sao Paulo

4:40 Debasree Das Gupta, Ph.D. Candidate*, George Mason University, *Regional Variations in Fertility Levels in South India: A Cross-Sectional Analysis*.

5:00 Sutapa Chattopadhyay*, University of Minnesota, Duluth, *Adivasi Insurgencies and Power*.

5:20 Marc Levy*, CIESIN - Columbia University; Maria Muñiz, CIESIN - Columbia University; Susana Adamo, CIESIN - Columbia University; T. Mitchell Aide, University of Puerto Rico - Rio Piedras; Maria Jose Andrade, University of Puerto Rico - Rio Piedras; Gregory Yetman, CIESIN - Columbia University; Sneha Rao, CIESIN - Columbia University; Maria Elisa Lukang, CIESIN - Columbia University; Sandra Baptista, Earth Institute - Columbia University, *Population Change in Latin American and the Caribbean, 1990-2000, a Spatial Time Series*.

5:40 Odeibler Santo Guidugli*, University of State of Sao Paulo, *Indexes of: Aging, Futurity and Human Development and the Profile of Tiny Municipalities in the State of São Paulo (1980-2007)*.

1681. Analysis and Studies for Geographic Sciences

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Phil Gersmehl, New York Center for Geographic Learning

4:40 O.T. Ford*, UCLA, *Region types and region concepts*.

5:00 Jiayu Wang*, *A Cognitive Assessment of Post-disaster Imagery Requirement*.

5:20 Matthew Y. C. Pang, Dr.*, Institute of Earth and Space Information Science, The Chinese University of Hong Kong; Hui Lin, Prof., Institute of Earth and Space Information Science, The Chinese University of Hong Kong; John C. K. Lee, Prof., Centre for University & School Partnership, The Chinese University of Hong Kong; Bonnie So, Center for University and School Partnership, The Chinese University of Hong Kong, *Enable Spatial Thinking using GIS and Satellite Remote Sensing - A Teacher Friendly Approach*.

5:40 Aniruddha Banerjee, PhD*, Prevention Research Center, *Towards an improved (mathematical) Formalism in GIScience and Software*.

6:00 Phil Gersmehl*, Central Michigan University, NYCGL; Carol Gersmehl, Renaissance Charter School, NY, *Toward a Taxonomy of Spatial Reasoning Skills*.

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1748. Living & Imaging War in the Third Republic: Short Docs Tell the 2006 Summer War in Lebanon

Room: Lincoln Room 4, Marriott, Exhibition Level

ORGANIZER(S): AAG Middle East Specialty Group

SUMMARY: The AAG Middle East Specialty Group and the Society for Lebanese Scholarship are pleased to present a film and discussion session featuring recently produced documentaries from Lebanese film-makers, Ms. Laila and Nadia Hotait.

Exploring the impact of the 2006 war on Lebanon in "Absent Spaces" and "The South is Back", Laila and Nadia Hotait foreground narratives of loss, terror and daily living, amidst a human landscape under siege. Discussing this collection of images, voices and local meanings are Lebanese PhD Candidates Ms. Tsolin Nalbantian (Columbia) and Mr. Hatim El-Hibri (NYU). The session will be hosted by Mr. Rudy Sassine, MBA Candidate at NDU. Lebanese light fare will be served to session guests.

1773. AAG OPENING SESSION

Wednesday, April 14, 6:30 p.m. - 8:00 p.m.

Room: Marriott Ballroom Salon 1 and 2, Lobby Level

Welcoming remarks:

Douglas Richardson, AAG Executive Director

Carol P. Harden, AAG President, University of Tennessee

Presidential Plenary: America's Climate Choices

Organizer: **Carol P. Harden**, AAG President

The Presidential Plenary session features the leadership of geographers on each of the four interdisciplinary panels of "America's Climate Choices" and offers an inside view of this important national effort. "America's Climate Choices" is a major study of the National Academies of Science. Responding to a request from Congress, the four panels are developing recommendations for what can be done to limit the magnitude of future climate change, adapt to the impacts of climate change, better understand climate change and its interactions with human and ecological systems, and inform effective decisions and actions related to climate change. Geographers **Marilyn Brown** (vice chair of Limiting the Magnitude Panel), **Tom Wilbanks** (vice chair of Adapting to the Impacts Panel), **Diana Liverman** (vice chair of Informing Effective Decisions and Actions Panel) and **Billie Turner** (member, Advancing the Science Panel) will discuss the scope and emphasis of each panel and the roles of geographers in the important work of shaping America's response to a future affected by climate change.

WEDNESDAY, APRIL 14 • 8:00 PM - 9:00 PM • 1800

1821. Qualitative Research Specialty Group Business Meeting (Sponsored by Qualitative Research Specialty Group)

Room: Virginia Suite B, Marriott, Lobby Level (Meeting Session)

1823. Development Geography Specialty Group Business Meeting (Sponsored by Development Geographies Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Meeting Session)

1850. European Specialty Group Business Meeting (Sponsored by European Specialty Group)

Room: Lincoln Room 6, Marriott, Exhibition Level (Meeting Session)

THURSDAY

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

THURSDAY, APRIL 15 • 8:00 AM - 9:40 AM • 2100**2102. From conflict to cooperation I: Spaces of engagement, resource governance and the extractive industries (Sponsored by Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): James Van Alstine, University of Leeds

CHAIR(S): James Van Alstine, University of Leeds

8:00 Rani Parker*, Business-Community Synergies; James Van Alstine, University of Leeds, *Rights, risks and responsibilities: community-company engagement with the extractive industries.*

8:20 Hudson A McFann*, The Ohio State University, *Legacies of extraction: understanding local responses to landfills in Appalachian Ohio, USA.*

8:40 Catherine A Pattenden, PhD*, Sustainable Minerals Institute, CSRM, University of Queensland, *Emerging governance arrangements for sustaining mining communities in the Australian context.*

9:00 Sally Weller*, Victoria University, *Adaptation, Transition and Compensation: The Regional Impacts of Emissions Trading.*

2103. The New Global Order of Poverty Management: Neoliberalism Revisited (Sponsored by Development Geographies Specialty Group, Political Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Ananya Roy, University of California - Berkeley

CHAIR(S): Ananya Roy, University of California - Berkeley

8:00 Jamie Peck*, University of British Columbia; Nik Theodore, University of Illinois at Chicago, *Model-power: conditional cash transfers and the globalization of poverty management.*

8:20 Ananya Roy*, University of California, Berkeley, *The Democratization of Capital: Microfinance and Its Discontents.*

8:40 Katharine N Rankin, Dr.*, University of Toronto, *The contradictory dynamics of 'neoliberal populism': Microfinance, the financial crisis and 'market socialism'.*

9:00 Erica Kohl*, UC Berkeley, *Governing Poverty Amidst Plenty: philanthropic investments and the California dream.*

Discussant(s): Eric S. Sheppard, University of Minnesota - Minneapolis

2104. Land, Ocean, and Atmosphere in a Changing Arctic (Sponsored by Cryosphere Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Asa Rennermalm, Rutgers; Tamlin Pavelsky, University of California - Los Angeles

CHAIR(S): Asa Rennermalm, Rutgers

8:00 Asa K Rennermalm*, Rutgers; Laurence C Smith, University of California Los Angeles; Vena W Chu, University of California Los Angeles; Richard R Forster, University of Utah; Jason Box, Ohio State University, *Southwest Greenland Ice Sheet Surface Melt Examined with a Linear Reservoir Network Model and Stream Flow Observations.*

8:15 Vena Chu*, UCLA; Laurence C. Smith, UCLA; Asa K. Rennermalm, Rutgers, New Brunswick; Richard R. Forster, University of Utah; Jason E. Box, The Ohio State University; Niels Reeh, Technical University of Denmark, *Estuary sediment plume response to surface melting and supraglacial lake drainages on the Greenland Ice Sheet.*

8:30 David H. Bromwich, Professor*, Ohio State University; Keith M Hines, Dr., Byrd Polar Research Center, Ohio State University, *The Changing Arctic Environment Depicted by the Arctic System Reanalysis.*

8:45 Hengchun Ye, Ph.D*, California State University - Los Angeles; Eric J Fetzter, Ph.D., JPL, California Institute of Technology; Michael Rawlins, Ph.D, JPL, California Institute of Technology, *Atmospheric Water Vapor over the Arctic and its Connections to Major Atmospheric Circulation Patterns.*

9:00 Debjani Ghatak*, Program in Earth and Environmental Sciences, The Graduate Center, The City University of New York; Allan Frei, Department of Geography, Hunter College, New York, NY; Gavin Gong, Department of Earth and Environmental Engineering, Columbia University, New York, NY; Julianne Stroeve, NSIDC, University of Colorado, Boulder, CO, USA; David Robinson, Department of Geography, Rutgers University, Piscataway, NJ, USA, *Possible snow response over Siberian region to the preceding summer Arctic sea ice.*

9:15 Tamlin M Pavelsky*, University of North Carolina-Chapel Hill; Julien Boe, University of California Los Angeles; Alex Hall, University of California Los Angeles; Eric J Fetzter, Jet Propulsion Laboratory, California Institute of Technology, *Atmospheric Inversion Strength over Polar Oceans in Winter Regulated by Sea Ice.*

2105. Russian Industrial Monotowns and the Economic Crisis: Social and Economic Dimensions (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Megan Dixon, College of Idaho

CHAIR(S): Maria Taylor, University of Washington

8:00 Anastasia Topchiy*, Far Eastern National University, *The Problem of Russian Monocities' Existence and Development.*

8:20 Gennady Fedorov*, Immanuel Kant State University of Russia, *Mono-Cities of Kaliningrad Exclave During the Crisis.*

8:40 Evgeniya Barazgova*, Urals Academy of Public Administration, *Mono-towns in the Urals: Social Risk of Current Development.*

9:00 Artem Rykun*, Tomsk State University, *Siberian Oil-producing Town at the Wake of the Crisis.*

Discussant(s): Beth Mitchneck, University of Arizona

2107. Geographic Information Visualization

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

ORGANIZER(S): Program Committee

CHAIR(S): Keith French, The University of Kansas

8:00 Scott Pezanowski*, The Pennsylvania State University; Alan M MacEachren, The Pennsylvania State University, *Web-based GeoVisualization through an Adobe Flash Mapping API.*

8:20 Arif Keceli*, University of Oklahoma; Naci Dilekli, University of Oklahoma; Necati Anaz, University of Oklahoma, *Visualization of a social problem: Spatio-temporal analysis of sexual assaults in Turkey.*

8:40 Shama Perveen, Ph.D.*, University of Nevada Las Vegas; Bandana kar, Ph.D., University of Southern Mississippi, Hattiesburg, *Multi-scale Geo-Visualization of Water Stress/Scarcity.*

9:00 Keith French*, University of Kansas, *Methods of Visualizing Population Change with Vector Fields.*

THURSDAY, APRIL 15 • 8:00 AM - 9:40 AM • 2100**2108. Classification Approaches in Neighborhood Research (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group, Urban Geography Specialty Group)****Room:** Maryland Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Brian A. Mikelbank, Cleveland State

University; Michael Reibel, California State University

CHAIR(S): Michael Reibel, California State University

8:00 Jane Cover*, University of Washington; Rachel Garshick

Kleit, University of Washington; Amy Fuhrman,

*University of Washington, Fringe Banks and Minority Neighborhoods: An Artifact of Measurement?.***8:20** Rosalind Kotz*, University of Delaware, *The relationship between concentration and mix of subsidized housing types and indicators of distress at the census tract level in U.S. metropolitan areas.***8:40** Thomas J. Vicino, Ph.D.*, Northeastern University; Bernadette Hanlon, Ph.D., University of Maryland, Baltimore County, *Redefining the Urban Geography of Immigration: A Typology of Immigrant Neighborhoods.***9:00** Richard A. Wright*, Dartmouth College; Steven Holloway, University of Georgia; Mark Ellis, University of Washington, *The Racially Fragmented City? Neighborhood Racial Segregation and Diversity Jointly Considered.***9:20** Michael Reibel, PhD*, California State University; Moira Regelson, PhD, California Institute of Technology, *Clusters and Context in the Neighborhood Dynamics of Race/Ethnicity.***2109. Dendrochronology I: Dendroecology I (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)****Room:** Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State

University; James H. Speer, Indiana State University

CHAIR(S): Evan R Larson

8:00 Henri D. Grissino-Mayer*, University of Tennessee, *Dendrochronology as a Technique in Biogeography for Reconstructing Environmental Processes.***8:20** Saskia L van de Gevel, PhD*, Appalachian State University; Philip White, Appalachian State University; Mark D Spond, University of Tennessee; Henri D Grissino-Mayer, PhD, University of Tennessee, *Dendroecology and Forest Succession in the absence of American chestnut (Castanea dentata), Bluff Mountain, North Carolina, USA.***8:40** Daniel Jarvis, PhD Candidate*, Clark University; Dominik Kulakowski, Assistant Professor, Clark University, *Dendrochronological Reconstruction of Historic Mountain Pine Beetle Outbreak Extent in Colorado.***9:00** John Sakulich*, University of Tennessee; Justin L. Hart, The University of Alabama; Saskia L. van de Gevel, Appalachian State University; Nicholas N. Nagle, The University of Tennessee; Henri D. Grissino-Mayer, The University of Tennessee, *Spatial Analysis of the Climate Response of Tsuga canadensis Across its Geographic Range.***9:20** Christine P. Biermann*, Ohio State University; Henri D. Grissino-Mayer, University of Tennessee, *Twentieth Century Changes in the Climate Response of Yellow Pines in Great Smoky Mountains National Park, Tennessee.***2110. PEC Student Paper Competition (Sponsored by Paleoenvironmental Change Specialty Group)****Room:** Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Donald G. Sullivan, University of Denver;

Michelle Goman, Cornell University

CHAIR(S): Donald G. Sullivan, University of Denver

8:00 Maria A Caffrey*, University of Tennessee, Knoxville; Sally P Horn, University of Tennessee, Knoxville, *Palynological Evidence of Late Holocene Vegetation History from Laguna Saladilla, Dominican Republic.***8:15** Tripti Bhattacharya*, Georgetown University, *An Analysis of Modern Pollen Rain from the Maya Lowlands.***8:30** Julie Commerford*, Kansas State University; Kendra McLauchlan, Kansas State University; Shinya Sugita, Tallinn University, *Calibrating vegetation cover and pollen assemblages in the Flint Hills of Kansas, USA..***8:45** Christopher J. Crawford*, Department of Geography and Minnesota Dendroecology Laboratory, University of Minnesota, *Increasing Predictive Power in Tree-Ring Paleoclimatic Calibration: The value of multi-species network analysis.***9:00** Terri L Woodburn*, University of Kansas; William C Johnson, University of Kansas; Steven R Bozarth, University of Kansas, *Environmental Reconstruction of a Brady Soil in Southwestern Nebraska, Using High-Resolution Biosilicate and Charcoal Analysis.***9:15** Trevor J. Porter*, Department of Geography, Carleton University; Michael F.J. Pisaric, Department of Geography, Carleton University; Peter deMontigny, Department of Geography, Carleton University; Scott St. George, Geological Survey of Canada, Natural Resources Canada, *Insights on divergence from a regional study of tree growth in Old Crow Flats, northwestern Canada.***2111. Africa, Asia, Latin America****Room:** Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Samuel C. Schramski

8:00 Sangeeta Singh*, Metropolitan State College of Denver; sangeeta singh, Metropolitan State College of Denner, *finding safe heaven for a girl child.***8:07** Melissa Songer, Ph.D.*, Smithsonian National Zoological Park; Qing Cao, M.S., Princeton University; Steven Monfort, Ph.D., D.V.M., Smithsonian National Zoological Park; Peter Leimgruber, Ph.D., Smithsonian National Zoological Park, *Moving Parts: Dynamics of Human and Wildlife Land Use in Kalameili Nature Reserve.***8:14** Rajul Pandya*, UCAR; Abudulai Adams-Forgor, NHRC, Ghana; Mary Hayden, UCAR; Abraham Hodgson, NHRC, Ghana; Thomas Hopson, UCAR; Benjamin Lamprey, RMU, Ghana; Jeff Lazo, UCAR; Robert Mera, NCSU; Fredrick Semazzi, NCSU; Madeleine Thomson, IRI; Sylwia Trzaska, IRI; Thomas Warner, UCAR, *Using Weather to Manage Meningitis in the Sahel.***8:21** Kikombo Ilunga Ngoy*, Kean University, *The boom of the mining industry in Katanga province in the Democratic Republic of Congo and its impact on the environment..***8:28** Anna Versluis*, Gustavus Adolphus College, *Understanding land change in rural Haiti: Beyond the proximate drivers.***8:35** Kim Engie*, University of North Carolina at Chapel Hill, *Social ties across marine ecosystems in the Galapagos Islands, Ecuador.*

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- 8:42** Eric K Spears, Ph.D.*, Mercer University, *The Carioca Dream: Rio de Janeiro, the 2016 Olympics, and Spatial Imaginaries.*
- 8:49** Kelly Stiller Titchener*, Oklahoma State University, *The Viability of South American Regional Integration: Bolivian National Identity in the Integration Process.*
- 8:56** Stephen R. Cameron*, Western Michigan University, *Examining the role of boundaries and conservation buffers on deforestation rates within Brazil's Federal Amazonian protected areas.*
- 9:03** Diego Silva Ardila*, University of Illinois at Chicago, *The city as a possible answer to the state question: An approach from the Latin American case.*
- 9:10** Laura Hylton Major*, University of Richmond, *Palms in the Peruvian Amazon: a case study of economic and subsistence use on the Ucayali floodplain.*
- 9:17** Samuel C. Schramski*, University of Florida, *Practicing what you preach: Returning results and praxis in conservation and development research.*
- 2112. Time Geography: Its Past, Present, and Future (I) (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Transportation Geography Specialty Group)**
Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Shih-Lung Shaw, University of Tennessee; Hongbo Yu, Oklahoma State University
 CHAIR(S): Hongbo Yu, Oklahoma State University
8:00 Hongmian Gong, Ph.D.*, Hunter College; Cynthia Chen, Ph.D., University of Washington; Catherine T. Lawson, Ph.D., University at Albany; Evan Bialostozky, Hunter College, *A GPS/GIS Method to Understand People's Travel Modes in New York City.*
8:20 Zhixiang FANG*, Dr. & Associate Professor, *Assigning individuals' space-time paths for emergency evacuation in stadium environment: a multi-objective approach.*
8:40 Tetsuo Kobayashi*, University of Utah; Andrei Ostanin, School of Computing, University of Utah; Harvey J Miller, Department of Geography, University of Utah, *Exploratory visualization of mobile object data in attribute-time space.*
9:00 Hongbo Yu*, Oklahoma State University; Allen Finchum, Oklahoma State University, *Using Space-Time GIS to Explore Movements of Players in Team Sports.*
- 2113. Aesthetic Geographies 1**
Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Elizabeth Straughan, Aberystwyth University; Harriet Hawkins
 CHAIR(S): Harriet Hawkins
 Introducer: Elizabeth Straughan
8:10 Sarah G. Cant*, Oxford Brookes University, *Truly together? Aesthetics of feeling and connection in social dance.*
8:30 Alison Hess*, Royal Holloway, University of London, *The 2LO transmitter: The Aesthetic Value of Old Technology.*
8:50 Tim Long, Mr*, Canterbury Christ Church University, *Interactive installations and audience engagement with architectural space and art.*
9:10 James Riding, PhD Student*, University of Exeter, *Finding Edward.*
- 2114. Coastal and Marine Climatology (Sponsored by Climate Specialty Group, Coastal and Marine Specialty Group)**
Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Karsten A. Shein, National Climatic Data Center
 CHAIR(S): Karsten A. Shein, National Climatic Data Center
8:00 Karsten A. Shein*, National Climatic Data Center; Catherine G Marzin, National Marine Sanctuary Program; Tess B Brandon, National Oceanographic Data Center; Doug E Pirhalla, National Center for Coastal Ocean Science, *Development of a Climatology for the Florida Keys National Marine Sanctuary.*
8:20 Tyler R. L. Christensen*, IMISG at NOAA Coral Reef Watch; Scott F. Heron, IMISG at NOAA Coral Reef Watch; Gang Liu, IMISG at NOAA Coral Reef Watch; William J. Skirving, IMISG at NOAA Coral Reef Watch; Tim Burgess, IMISG at NOAA Coral Reef Watch; C. Mark Eakin, NOAA Coral Reef Watch; Jessica A. Morgan, IMISG at NOAA Coral Reef Watch; Britt A. A. Parker, IMISG at NOAA Coral Reef Watch; Alan E. Strong, IMISG at NOAA Coral Reef Watch, *Producing a Satellite Sea Surface Temperature Climatology for Coral Bleaching Stress.*
8:40 Alicia Simonti, MA*, Clark University; J Ronald Eastman, PhD, Clark University, *The 2005 Caribbean Mass Coral Bleaching Event: A Sea Surface Temperature Empirical Orthogonal Teleconnection Analysis.*
9:00 Tiffany C. Vance*, Oregon State University/NOAA; Scott Cross, NOAA/NCDDC; Sharon Mesick, NOAA/NCDDC, *Modeling Larval Fish Transport in the Shelikof Strait, Alaska.*
9:20 Jorge E Gonzalez, Professor*, The City College of New York; Daniel Comarazamy, PhD Student, Santa Clara University, *Impact of Land Cover/Land Use Changes in Coastal Tropical Regions Under Conditions of Global Climate Change.*
- 2115. Crime Modeling and Mapping (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Michael Leitner, Louisiana State University
 CHAIR(S): Michael Leitner, Louisiana State University
8:00 Jeremy Mennis*, Temple University; Philip Harris, Temple University, *The Influence of Crime Specialization, Social Disorganization, and Spatial Contagion in Juvenile Delinquency Recidivism.*
8:20 Tianfang Fang*, Texas State University-San Marcos; Yongmei Lu, Texas State University-San Marcos; Kim Rossmo, Texas State University-San Marcos; J. Pete Blair, Texas State University-San Marcos, *Recidivism Route Analysis with GPS Data - A Case Study.*
8:40 Andrew Curtis*, USC; Brian Denzer, citizenrimewatch.org, *Crime in Post-Katrina New Orleans - Challenges and solutions to a constantly changing geography.*
9:00 Lisa D Keys-Mathews, Ph. D.*, University of North Alabama, Department of Geography; Craig T. Robertson, Ph. D., University of North Alabama, Department of Sociology, *A Temporal Analysis of Crime: Patterns Before and After a Hurricane Disaster.*
9:20 Michael Leitner*, Louisiana State University, *Hurricanes and Schengen Agreement: The Impact of Large-Scale Events on Crime.*

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- 2116. Author meets critics: Peter Hopkins' *The Issue of Masculine Identities for British Muslims after 9/11* (Sponsored by Geography of Religions and Belief Systems Specialty Group)**
Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Rachel Pain, University of Durham
 CHAIR(S): Peter E Hopkins, Newcastle University, UK
 Panelists: Caroline Nagel, University of South Carolina; Deborah A. Phillips, University of Leeds; D. James McLean, York University; Robina Mohammad, University of Reading; Kevin Mark Dunn, University of Western Sydney
- 2117. Farmers Markets / Regional Food Systems (Sponsored by Rural Geography Specialty Group)**
Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Allison Brown, University of Mass.; Adam Diamond, USDA
 CHAIR(S): Adam Diamond, USDA
8:00 Joshua Long*, Franklin College Switzerland, *Consumer Food Knowledge and the "Conversational Marketplace"*.
8:20 Alison Perelman*, University of Pennsylvania, *A Matter of Taste: Constructions of the Rural and Urban in The New York Times' Coverage of Farmers' Markets*.
8:40 LaDona G. Knigge*, California State University, Chico, *Civic Agriculture and Sustainable Food Systems: Chico Farmers' Market Study*.
9:00 Adam V. Diamond*, USDA, *From Competition to Cooperation: Value Chains as a Tool for Agricultural Development*.
 Discussant(s): Allison Brown, University of Mass.
- 2119. Urban Environment**
Room: Thomas Paine, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Matthew Miller, University of Georgia
8:00 Sarah E Dooling*, The University of Texas at Austin, *The Production of Social and Ecological Vulnerabilities: A case study from Austin, Texas*.
8:20 Bradley Bereitschaft*, University of North Carolina at Greensboro, *Urban Form and Air Quality in Metropolitan America*.
8:40 Melissa Keeley, Dr. *, George Washington University, *Spatial Integration of Green Infrastructure in Washington DC*.
9:00 Lauren Morse*, University of Denver, *Scampering in the City: Examining the Viability of Black-tailed Prairie Dogs in Denver, Colorado*.
9:20 Matthew Miller*, University of Georgia, *Urbanization's impacts on forest fragmentation: the spatial trends of forest cover in the Atlanta Metro Area for the past 30 years*.
- 2120. Geographies of Media V: Media and the Creation of Geographic Knowledge (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): James Craine, California State University Northridge; Joseph Palis, University of North Carolina at Chapel Hill
 CHAIR(S): Moira Conway, City University of New York
8:00 Sebastien Caquard*, Université De Montréal; Daniel Naud, Université de Montréal, *Geographies of Action Vs. Geographies of Reception: Mapping Contemporary Canadian Cinema*.
8:20 Dominic Abbenante*, San Diego State University, *Between Geography and Theatre: Spaces for Urban Performance*.
- 8:40** Antonella Rondinone*, Università Di Siena; Silvia Aru, Università di Firenze, *Women's 'velinization' from TVscape to politics in contemporary Italy*.
- 9:00** Moira Conway*, City University of New York, *Representation of London in Film*.
- 9:20** Joseph Palis*, University of North Carolina at Chapel Hill/North Carolina State University, *Neither Naive Nor Sentimental: The Archipelagic Cinema of Kidlat Tahimik*.
- 2121. Geovisualization, Geovisual Analytics, Cognition, Behavior and Representation I: Navigation and Spatial Cognition (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, Geography Education Specialty Group)**
Room: Virginia Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Kirk Goldsberry, Michigan State University; Sara Irina Fabrikant, University of Zurich
 CHAIR(S): Sara Irina Fabrikant, University of Zurich
8:00 Scott Bell*, University of Saskatchewan, *Improving Locally Augmented Information Networks for Navigation and Wayfinding*.
8:20 Megan M Lawrence*, University of Oregon, *Tactile map training: Behavioral and neurological evidence for improving tactile map use*.
8:40 Rui Li*, The Pennsylvania State University; Alexander Klippel, The Pennsylvania State University, *Using Salient Features of Environments for Wayfinding Aids: Differences Between Indoor and Outdoor Environments*.
9:00 Sen Xu*, GeoVISTA Center, Department of Geography, Pennsylvania State University; Alexander Klippel, GeoVISTA Center, Department of Geography, Pennsylvania State University; Alan MacEachren, GeoVISTA Center, Department of Geography, Pennsylvania State University; Prasenjit Mitra, Information Science and Technology, Pennsylvania State University; Ian Turton, GeoVISTA Center, Department of Geography, Pennsylvania State University; Xiao Zhang, Information Science and Technology, Pennsylvania State University; Anuj Jaiswal, Information Science and Technology, Pennsylvania State University, *Studying Spatial Language 2.0 -Analyzing motion-descriptive language by spatially stratified web sampling*.
9:20 Sandra Metoyer*, Texas A&M University, *Geovisualization tools and spatial cognition: Exploring interactions among geovisualization tools, spatial thinking, and student learning*.

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2122. The Political Ecology of African Urban Environments: Space, Identity, and Citizenship (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Rosalind Fredericks, Columbia University; Nicole List

CHAIR(S): Rosalind Fredericks, Columbia University

8:00 Garth Andrew Myers*, University of Kansas, *Assessing and Theorizing Solid Waste Management and Governance in African Cities*.

8:20 Rosalind Fredericks*, Columbia University, *Trash in Place: The Dirt and Disorder of Dakar's Neoliberal Moment*.

8:40 Courtney Gallaher*, Michigan State University, *The Emergence of Urban Agriculture in the Slums of Nairobi, Kenya*.

9:00 Nicole C List*, UC Berkeley, *Negotiating Land at the Fringe: Land Politics in Peri-urban Dakar*.

9:20 Ricardo Cardoso*, UC Berkeley, *Resilient urbanisms: notes on spatial production in contemporary Luanda*.

2123. The International Geographical Union (IGU) 2010-2012 and Beyond

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Ronald F. Abler, International Geographical Union

CHAIR(S): Ronald F. Abler, International Geographical Union

Introducer: Ronald F. Abler

Panelists: Aharon Kellerman, University of Haifa; Ruth Fincher, University of Melbourne; Vladimir Kolossov, Russian Academy of Sciences

2126. Legal Geography (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Peter Kedron, Graduate Student; Joseph Holler, SUNY at Buffalo

CHAIR(S): Peter Kedron, Graduate Student

8:00 Joseph Holler*, University at Buffalo - SUNY, *Law and Space in the Human/Environment Interactions of Tanzanian Highlands*.

8:20 Arthur G. Green, ABD*, McGill University, *Displacing Legal Pluralism*.

8:40 Robyn L Bartel, BSc/LLB, MHE, PhD*, University of New England, Australia, *Environmental aims, ends and agriculture: conflict or confluence in Australian law and policy?*.

9:00 Henry Sivak*, Arizona State University, *The legal geography of the colonial state*.

Discussant(s): Peter Kedron, Graduate Student

2127. Wine in the United States (Sponsored by Wine Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Denyse Lemaire, Rowan University

CHAIR(S): George Franklin, Jr. McCleary, University of Kansas

8:00 Rosalyn F. MacCracken*, George Mason University, Fairfax, VA, *Climate-Viticulture Characterizations of Eastern United States*.

8:20 Christi G Townsend, M.A.G.*, Texas State University, San Marcos, Texas, *How do Vineyard Operators and Winemakers Perceive Natural Hazards in The Texas Hill Country Appellation?*.

8:40 George Franklin, Jr. McCleary*, University of Kansas; George F., Jr. McCleary, University of Kansas, *Understanding Wine Maps: Problems and Predicaments*.

9:00 Adam J. Mathews*, Binghamton University, *A Raster-based Approach to Vineyard Site Location and Expansion in New York's Finger Lakes Region*.

9:20 Karen Severud Cook*, University of Kansas, *Mapping the Historical Geography of New Wine*.

2128. Indigenous Research Ethics Protocols I (Sponsored by Indigenous Peoples Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Zoltan Grossman, Evergreen State College

CHAIR(S): Renee Pualani Louis, University of Hawaii

Panelists: Joseph H. Bryan, University of Colorado, Boulder; Zoltan Grossman, Evergreen State College

2129. Climate Vulnerability, Adaptation and Carbon Carrying Capacity

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): A. Cristian Ches, University of Toronto

8:00 Michael Paolisso, PhD, Department of Anthropology, University of Maryland; Matthias Ruth, PhD, Center for Integrative Environmental Research, University of Maryland; Ellen M. Douglas, PhD, Environmental, Earth and Ocean Sciences Department, University of Massachusetts Boston; Ashley Enrici, MAA Candidate*, University of Maryland; Paul H. Kirshen, PhD, Battelle Memorial Institute; Chris Watson, MSc, Environmental, Earth and Ocean Sciences Department, University of Massachusetts Boston; Jack Wiggins, Urban Harbors Institute, University of Massachusetts Boston; Matthew F. Schultz, Woods Hole Group; Brenda Cotto-Escalera, Neighborhood of Affordable Housing; Scott Goodwin, MAA, University of Maryland, *Distributional Impacts of Climate Change and Adaptation Options for Marginalized Communities: Place-based Research in Boston, Massachusetts and the Eastern Shore, Maryland*.

8:20 Michael K Dorsey, Ph.D, Climate Justice Research Project--Dartmouth College; Gambirazzio Gerardo, Ph.D.*, Climate Justice Research Center --Dartmouth College; Jerome Whittington, Ph.D, Climate Justice Research Project--Dartmouth College, *Carbon Finance Activism at Copenhagen*.

8:40 Haijing SHI*, The University of New South Wales @ the Australian Defence Force Academy; Brian Lees, The University of New South Wales @ the Australian Defence Force Academy; David Puall, The University of New South Wales @ the Australian Defence Force Academy; Zhongming WEN, Institute of Soil and Water Conservation, NWSUAF, CAS and MWR, *Estimation of carbon carrying capacity at regional scale*.

9:00 Sandy Kling*, University of South Florida; Robert Brinkmann, PhD, University of South Florida, *An Evaluation of Greenhouse Gas Litigation and Climate Change Policy in the United States*.

9:20 Cristian Ches*, University of Toronto, *Tales of the city: Canadian municipalities and adaptation to climate change*.

THURSDAY, APRIL 15 • 8:00 AM - 9:40 AM • 2100**2130. Climate and Cities**

Room: *Marriott Ballroom Balcony B, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Elyssa Gutbrod, Arizona State University

8:00 Juan Declet-Barreto*, Arizona State University; Anthony J. Brazel, Arizona State University; Melinda Shimizu-Menke, Arizona State University, *Linking Urban Heat Island Research to Community-based Greening Efforts: Collaborative Research in Community Partnership.*

8:20 Matthias Ruth, Professor and Director*, University of Maryland, *Climate Change Impacts on Cities: Cases, Concepts and Methods.*

8:40 Souleymane Fall, Purdue University; Niyogi Dev*, Purdue University; Alexander Gluhovsky, Purdue University; Roger A. Pielke Sr., University of Colorado; Eugenia Kalnay, University of Maryland; Gilbert Rochon, Purdue University, *Impacts of land use land cover on temperature trends over the continental United States: assessment using the North American Regional Reanalysis.*

9:00 Elyssa Gutbrod*, Arizona State University, *A rapid assessment method to measure impact in an arid environment.*

2131. Geographic Approaches to Human Rights Concerns

Room: *Marriott Ballroom Balcony C, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Larry Joe Morgan, University of North Carolina At Greensboro

8:00 Bojana Blagojevic, Ph.D.*, LaGuardia Community College, City University of New York; Luka Jordan*, LaGuardia Community College, City University of New York, *Context, Development and Rights: A Conceptual Framework.*

8:20 Mahmood Khan*, University of Oregon, *Spatio-temporality, forensics, and geopolitics in the legal definition of genocide: Bosnia v. Serbia.*

8:40 Max Hantel*, Georgetown University, *The Political Ecology of Landmines in Afghanistan.*

9:00 Larry Joe Morgan, PhD*, Jacksonville State University, *Potential Privacy Concerns: Issues of human rights and change in the newly emerging democracy of Bhutan.*

2134. RSSG Student Honors Paper Competition I (Sponsored by Remote Sensing Specialty Group)

Room: *Taft, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Paul Merani, University of Nebraska; Benjamin Tuttle, University of Denver/University of Colorado, Boulder

CHAIR(S): Paul Merani, University of Nebraska

8:00 Nicholas Giner*, Clark University; R. Gilmore Pontius, PhD, Clark University, *Ground-Based Versus Virtual Methods for Accuracy Assessment of 45-cm Resolution Object-Based Image Classifications.*

8:20 Xuelian Meng*, Texas State University-San Marcos; Nate Currit, Dr.; Le Wang, Dr.; Xiaojun Yang, Dr., *Determine urban land uses through building-associated element attributes from LIDAR and aerial photographs.*

8:40 Sachidananda Mishra*, Mississippi State University; Deepak R Mishra, Mississippi State University, *A novel normalized band difference index for mapping chlorophyll-a concentrations in turbid productive waters.*

9:00 Haibin Su*, University of Cincinnati; Hongxing Liu, University of Cincinnati, *Ontological foundation and numerical algorithms for deriving and associating multispectral image-derived biological attributes and bathymetric LiDAR-derived geomorphologic attributes for benthic habitat analysis.*

2135. Geographies of health and vulnerability to disease (Sponsored by Health and Medical Geography Specialty Group)

Room: *Taylor, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Joseph R. Oppong, University of North Texas

CHAIR(S): Florence Margai, Binghamton University-SUNY

8:00 Sue C. Grady, PhD, MPH*, Michigan State University, *Housing and Health.*

8:20 Kevin Henry, PhD*, New Jersey Department of Health, New Jersey Cancer Registry; Andria Apostolou, PhD, MPH, Epidemic Intelligence Service, Centers for Disease Control and Prevention, *Neighborhood Deprivation and Preterm births among Hispanics, non-Hispanic Whites and non-Hispanic Blacks in New Jersey.*

8:40 Joseph R. Oppong*, University of North Texas; Chetan Tiwari, University of North Texas, *Neighborhood Characteristics and HIV/AIDS in Texas.*

9:00 Adam Harold*, University of North Texas, *Modeling Place Vulnerability.*

9:20 Lea Berrang Ford, PhD*, McGill University (Montreal, CA); Jamie Lundine, McGill University, *Spatio-temporal analysis of conflict and sleeping sickness in Africa.*

2136. Geography Education Policy and Legislation

Room: *Thurgood Marshall EAST, Marriott, Mezzanine Level* (Panel Session)

ORGANIZER(S): Douglas Richardson, Association of American Geographers

CHAIR(S): Ken Foote, University of Colorado

8:00 The Honorable Tim Walz, US Congress

Discussant(s): Mike Lach, US Department of Education; John Wertman, AAG

2138. Fluvial Geomorphology

Room: *Thurgood Marshall SOUTH, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eric Lutz, University of Washington

8:00 Patrick Dryer*, Missouri State University; Robert T Pavlowsky, Missouri State University, *Catastrophic valley entrenchment and debris fan formation in the Bluefields River, Westmoreland Jamaica.*

8:20 Jidan Duan*, University of Kentucky, *The Interpretations of Knickpoints in the Big South Fork Drainage Basin, Kentucky - Tennessee.*

8:40 Stephen Tooth, BSc (Hons.), PhD*, Aberystwyth University; Terence S McCarthy, University of the Witwatersrand; Helena Rodnight, Universität Innsbruck; Amanda Keen-Zebert, Aberystwyth University; Matthew Rowberry, University of the Witwatersrand; Dion Brandt, University of the Witwatersrand, *Geomorphological dynamics of South African floodplain wetlands and the implications for management planning.*

9:00 Eric Lutz, Postdoctoral Researcher*, Civil & Environmental Engineering, University of Washington; Jeremy S. Littell, Research Scientist, CSES Climate Impacts Group, University of Washington; Alan Hamlet, Research Assistant Professor, Civil and Environmental Engineering, University of Washington, *Developing streamflow reconstructions in the Pacific Northwest utilizing a hybrid quantile-mapping technique.*

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2140. China and Globalization I: Trade and Investment (Sponsored by Economic Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yehua Dennis Wei, University of Utah; Yu Zhou, Vassar College

CHAIR(S): Yu Zhou, Vassar College

8:00 Kam Wing Chan, Professor*, University of Washington, *From Made-in-USA to Made-in-China: Global Financial Crisis and Migrant Workers in China.*

8:20 Tom Narins*, UCLA Department of Geography, *Assembling Modern China with World Trade Centers not Empire State Buildings.*

8:35 Dong Chen*, Institute of Geographical Sciences and Natural Resources Research, CAS; Jie Fan, Institute of Geographical Sciences and Natural Resources Research, CAS, *The Spatial Pattern of Financial Capital Flows in China: from Underdeveloped Areas to Developed Areas ?.*

8:50 Godfrey Yeung*, National University of Singapore; Mick Dunford, University of Sussex; Li Li, University of Sussex & IGSNRR, CAS, *International trade and regional economic performance in China.*

9:10 Weidong Liu*, Chinese Academy of Sciences; Hongguang Liu, Chinese Academy of Sciences; Zhipeng Tang, Dr., Chinese Academy of Sciences, *Assessing the Impact of Sino-US Trade on Regional Development in China.*

2141. Diversity in the University

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Susan Hume, Southern Illinois University Edwardsville

8:00 Edris J. Montalvo*, Texas State University, *The Recruitment, Retention, and Graduation of Latino and African-American Undergraduate Students in Public Universities in the United States: A Geographic Analysis.*

8:20 Charles M. Croner, Ph.D.*, CM Croner Associates, *Bridging Geography and Minority Institutions of Higher Learning: A Current Approach.*

8:40 Nigel Waters, Ph.D.*, George Mason University, *Tracking the Diversity of Students in George Mason University's Master's of Public Health Program.*

9:00 Meghan Brooks, MA*, Queen's University; Cheryl Sutherland, MA, Queen's University, *Outsiders in the University: Understanding the University Experiences of Mature Women Students.*

9:20 Susan E. Hume*, Southern Illinois University Edwardsville, *Why Don't Students Major in Geography?.*

2142. Building regional economic resilience: innovation and restructuring

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

ORGANIZER(S): Arnoud Lagendijk; Susan M. Christopherson, Cornell University

CHAIR(S): Arnoud Lagendijk

8:00 Robert Hassink*, University of Kiel, Germany, University of Oslo, Norway, *Regional resilience: a promising concept to explain differences in regional economic adaptability?.*

8:20 Harald Bathelt, University of Toronto; Andrew Munroe, University of Toronto; Benjamin Spigel*, University of Toronto, *Challenges of Transformation: Innovation, Re-bundling and Traditional Manufacturing in Canada's Technology Triangle.*

8:40 Paivi Oinas*, Economic Geography, Turku School of Economics, Finland; Jukka Teräs, Scuola Superiore Sant'Anna, Pisa, Italy, *The Cluster Transformation Process: Turning the Oulu ICT Miracle into a Successful Cleantech Cluster.*

9:00 Maryann Feldman*, UNC Chapel Hill Dept. of Public Policy; Nichola Lowe*, University of North Carolina-Chapel Hill; Gil Avnimelech, University of North Carolina, Chapel Hill, *A Tale of Two Sectors: Divergent public sector intervention in regional industrial restructuring.*

9:20 Sam Ock Park*, Seoul National University, *Transformation of Regional Governance Structures and Economic Dynamics in the East Asian Countries.*

2143. Cities Under Economic Turbulence: A New Phase of Redevelopment Governance? (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Matthew Anderson, University of Illinois at Urbana-Champaign; Sternberg Carolina, University of Illinois at Urbana Champaign

CHAIR(S): David Wilson, University of Illinois

8:00 Sternberg Carolina*, University of Illinois at Urbana Champaign, *Neoliberal Redevelopment Governances in Buenos Aires and Chicago: a Contingent Construct.*

8:20 David Wilson*, University of Illinois; Matthew Anderson, University of Illinois, *The New Urban Politics, Poverty Production, and Obama's Discourse on Poverty.*

8:40 Dennis Grammenos*, Department of Geography & Environmental Studies, Northeastern Illinois University, *Out of School in Chicago: Education Reform and Neoliberal Restructuring in the Global City.*

9:00 Linda McCarthy*, University of Wisconsin, *Something New or More of the Same in the Bidding Wars for Big Investors?.*

Discussant(s): Gordon MacLeod, University of Durham

2144. U.S. Board on Geographic Names: Standardizing Toponyms in the 21st Century

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

ORGANIZER(S): Trent Palmer, National Geospatial-Intelligence Agency; Meredith Westington

CHAIR(S): Richard R. Randall, USBGN Ex. Sec. Emeritus

8:00 John R. Hebert, Chief, Geography and Map Division*, Library of Congress, *The U.S. Board on Geographic Names: History, Structure, and Mission.*

8:20 Lou Yost, US BGN Secretariat*, USGS/BGN, *Processing Domestic Name Proposals in the U.S. Board on Geographic Names: From Submittal to Decision.*

8:40 Leo Dillon*, U. S. Department of State, *Processing Foreign Names in the U.S. Board on Geographic Names: From Collection to Decision.*

9:00 Maria McCormick*, United States Geological Survey, *The Geographic Names Information System (GNIS): Standardized Domestic Geographic Names.*

9:20 Marcus Allsup*, National Geospatial-Intelligence Agency, *The Foreign Names Gazetteer Data Base: GEOnet Names Server.*

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2145. Topics in Urban, Recreational, Transportation and Planning Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Marsaili Aspinall, University of Aberdeen
Paul Foster*, Georgia Southern University, *Suburbanization and the Relocation of the Brooklyn Dodgers*.
Toni Menninger*, University of Arkansas, *Urbanization Trends in Arkansas and Northwest Arkansas*.
Alexandra Sullivan*, CUNY Graduate Center, *Urban Agriculture in New York City: Forms and Potential Spatial Patterns*.
Samantha R. Lester*, University of Denver, *Urban Agriculture: A Review and Analysis of Urban Gardens in Metro Areas*.
Brent Eysenbach*, Miami University, *The Effects of Decreased Day Services for the Homeless in Over-The-Rhine, Cincinnati, Ohio*.
Lindsay M. Olson*, University of Wisconsin, Eau Claire, *Drive Until you Qualify: A Comparison of San Diego and the Twin Cities Urban Areas*.
Wen-Ching Chuang*, Arizona State University; Patricia Gober, Arizona State University; Jay S Golden, Arizona State University, *Human health vulnerability to excessive heat: a geospatial analysis of heat-related 911 calls in the City of Phoenix*.
Christopher C Angel, M.A. *, University of Arkansas, *Evolution and Morphology of a Bedouin town above Petra, Jordan*.
Igor Vojnovic*, Michigan State University; Minting Ye, Michigan State University; Jieun Lee, Michigan State University; Perry Varnakovid, Michigan State University; Joseph Messina, Michigan State University; Ellen Velie, Michigan State University; June Thomas, University of Michigan; Kami Pothokuchi, Wayne State University; Bruce Pigozzi, Michigan State University; Joe Darden, Michigan State University; Daniel Griffith, Michigan State University, *The Social Dynamics of Accessibility and Travel Behavior in the Detroit Region*.
Rickie Sanders*, Temple University, *Reflections of/on the Juxtaposition of Power and Politics in Philadelphia*.
Craig Lewis*, Department of Geography, The Ohio State University, *The Lasting Legacy of the Olympic Games: A Study of the Impacts and Challenges of Olympic Host Cities*.
Derrick Scott*, University of Maryland, *The Impact of Housing Vouchers on the Anacostia Housing Market*.
Jieun Lee*, Michigan State University; Zeenat Kotval*, Michigan State University; Igor Vojnovic, Michigan State University; Angelo Podagrosi, Michigan State University; Shannon Smith, Michigan State University; Gabriela Frask, Michigan State University; Perry Varnakovid, Michigan State University; Joe Messina, Michigan State University; Bruce Pigozzi, Michigan State University; Joe Darden, Michigan State University, *Travel Behavior and the Urban-built Environment: The Lansing Michigan Context*.
Reshmi Mandal Konar*, University of Illinois Urbana-Champaign; Irene Casas, Louisiana Tech University, *Transportation and Potential Accessibility to Hospitals among the Elderly in Buffalo, NY: A GIS Analysis*.
Peter S. Lindquist*, University of Toledo, *The Atlas of Great Lakes Maritime Commerce*.
Dawn Robins, Ms*, University of Southampton, *The Privatisation of the British Passenger Rail Industry: A Predictive and Counterfactual Scenario*.
Jonathan C. Comer*, Oklahoma State University; Amy K. Graham, Oklahoma State University; Stacey R. Brown, Oklahoma State University, *Transportation Investment as Economic Stimulus: A Case Study*.
Andrew Mondschein*, UCLA Department of Urban Planning; Stephen Brumbaugh, UCLA Department of Urban

Planning; Brian D. Taylor, UCLA Department of Urban Planning, *Congestion and Accessibility: What's the Relationship?*.

- Maria Jose Andrade Nunez*, University of Puerto Rico and Lund University; Jessica Castro-Prieto, University of Puertyo Rico; Carlos M Zambrana-Torrelilo, University of Puerto Rico; Mitch Aide, University of Puerto Rico, *Future land-use scenarios in Uruguay: forest plantations, agriculture, and protected areas*.
Pam Patipanavat*, University of Southern California, *From Curitiba to Los Angeles: Lessons learned in Transportation Planning*.
Sheila McGinnis*, Montana State University Billings, *Decision Factors Affecting Land Ownership and Common Pool Resources*.
Timothy Andrew Miller*, University of North Alabama; Michael Pretes, University of North Alabama, *Skateboarding: California's Continuing Dominance of a Global Sport*.
Matthew Staudt*, University of North Alabama; Michael Pretes, University of North Alabama, *Sport Stadiums: A Growth Industry?*.
Kevin Buttrum*, University of North Alabama; Michael Pretes, University of North Alabama, *The Changing Geography of Major League Baseball*.
Phillip Beckloff*, University of North Alabama; Michael Pretes, University of North Alabama, *The Rising Tide of American Soccer*.
Matthew Balentine*, University of North Alabama; Michael Pretes, University of North Alabama, *The Road from Stardom: Geographic Origins of Top Collegiate Football Players*.
Marsaili Aspinall*, University of Aberdeen, *Golf Courses and Ecosystem Services*.

2146. North American Housing and Mortgage Markets

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

- ORGANIZER(S): Program Committee
CHAIR(S): Kristen Crossney, West Chester University
8:00 Denise L. Tweedale*, Salisbury University; Hannah Greene, Salisbury University; Lauren Kopishke, Salisbury University; Dr. Mara Chen, Salisbury University; Dr. Barbara Wainwright, Salisbury University; Dr. Veera Holdai, Salisbury University, *Analysis of the Maryland Residential Housing Sales data, 1995 - 2005*.
8:20 Barbara John, Ph.D.*, UNC Charlotte; Thomas Ludden, M.A.*, UNC Charlotte; Isaac Heard, AICP, UNC Charlotte, *Low Income Job Growth and Affordable Housing in Charlotte, North Carolina*.
8:40 Marshall M.A. Feldman, PhD*, University of Rhode Island, *A Tale of Two Bubbles: Comparing the Impacts of the Dot.Com and Housing Crashes on High-Tech and Deindustrial State Economies*.
9:00 Kristen Crossney*, West Chester University, *The Missing Pieces: Quantifying the Impact of Brokers on Mortgage Terms*.

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- 2147. Re-discovering the North I: The Canada-US Border and the US-Canada Relationship (Sponsored by Canadian Studies Specialty Group)**
Room: *Lincoln Room 3, Marriott, Exhibition Level (Paper Session)*
ORGANIZER(S): Andrey N Petrov, University of Northern Iowa; Heather Nicol, Trent University
CHAIR(S): Susan Lucas, Temple University
8:00 Arne Kislenko, Ph.D.*, Ryerson University, *"Guarding the Border: The Dilemmas and Realities of Intelligence and Law Enforcement in Canada's Immigration System"*.
8:20 Mark B. Salter, Dr., University of Ottawa; Can E. Mutlu*, University of Ottawa, *"Phantastic Objects: The conspicuous consumption of security measures on the US-Canada Border"*.
8:40 Victor A. Konrad*, *Security Primacy or Scaled-Down Gateway Management? Stakeholders Respond to the @!st Century Border in the Pacific Northwest*.
Discussant(s): Heather Nicol, Trent University

- 2148. Fluvial Geomorphology: Progress and Challenges in River Meandering Research (Sponsored by Geomorphology Specialty Group)**
Room: *Lincoln Room 4, Marriott, Exhibition Level (Paper Session)*
ORGANIZER(S): Inci Guneralp, Texas A&M University; Frank L Engel, University of Illinois
CHAIR(S): Jorge Abad, University of Pittsburgh
8:00 Inci Guneralp*, Texas A&M University; Bruce L. Rhoads, University of Illinois at Urbana-Champaign, *Influence of random spatial variability on the planform migration dynamics of meandering rivers*.
8:20 Frank L Engel*, University of Illinois; Bruce L Rhoads, University of Illinois, *Turbulent Flow and Planform Change in an Evolving Compound Meander Loop*.
8:40 Jorge D Abad, PhD*, University of Pittsburgh; Ronald Gutierrez, University of Pittsburgh; Inci Guneralp, PhD, Texas A&M University, *Analysis of bend migration patterns of meandering channels using wavelets*.
9:00 Bruce L. Rhoads*, University of Illinois; James Best, University of Illinois; Kevin Johnson, U.S. Geological Survey and University of Illinois; Frank Engel, University of Illinois, *Fluvial Dynamics of a Chute Cutoff (or Two) along a Large Meandering River*.
9:20 Carl J. Legleiter*, Department of Geography, University of Wyoming; Lee R. Harrison, Institute for Computational Earth System Science, University of California, Santa Barbara; Thomas Dunne, Bren School of Environmental Science & Management, University of California, Santa Barbara, *Effect of point bar development on the local force balance governing flow in a simple, meandering gravel-bed river*.

- 2149. Broader Impacts: Sharing Our Science and Research (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group)**
Room: *Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)*
ORGANIZER(S): Sally P. Horn, University of Tennessee
CHAIR(S): Sally P. Horn, University of Tennessee
8:00 Neil A. Toth*, Southern Illinois University-Carbondale; Christopher M. Gentry, Austin Peay State University; James H. Speer, Indiana State University, *Teacher Education Through Field Research in Ruidoso, New Mexico*.
8:03 Desiree Ketteringham*, Department of Geography & Archaeological Research Laboratory, University of Tennessee, Knoxville; Boyce Driskell, PhD,

Archaeological Research Laboratory, University of Tennessee, Knoxville; Elizabeth Kellar DeCorse, PhD, Archaeological Research Laboratory, University of Tennessee, Knoxville; Jennifer McDonough, Archaeological Research Laboratory, University of Tennessee, Knoxville; Sally P. Horn, PhD, Department of Geography, University of Tennessee, Knoxville, *Sharing Archaeological Research with School Children and the Public*.

- 8:06** Alice Schoen*, University of Tennessee; Grant Harley, University of Tennessee; Sally P Horn, University of Tennessee, *Teaching Mountain Building and Tectonics with Reusable Modeling Compound*.
8:09 Jennifer R Marlon, Ph.D.*, University of Oregon; Susan Weiler, Ph.D., National Science Foundation; Ronald Mitchell, Ph.D., University of Oregon, *Interdisciplinary Research on Climate Change: Current Trends and Challenges for the Future*.
8:12 Charles E. Button, Ph.D.*, Central Connecticut State University, *Development and Application of the Sustainability Transdisciplinary Education Model*.
8:15 William L. Blewett*, Shippensburg University of Pennsylvania, *Interpreting Ancient Great Lakes Shorelines as a "Geoscientist-in-the-Park" at Michigan's Pictured Rocks National Lakeshore*.
8:18 Carol A. Gersmehl*, Geography Dept., Hunter College, CUNY, *Spatial Thinking Activities Using Big Maps with K-12 Students*.
8:21 Katherine Genevieve Sammler*, The University of Arizona; Katherine K. Hirschboeck*, The University of Arizona, *Flood Hydroclimatology Data as a Nexus for Stakeholder Interaction*.
8:24 Katherine Cummings*, Lawrence University; Rebecca Doyle-Morin, Visiting Assistant Professor of Biology, Lawrence University, *Undergraduates Sharing their Scientific Interests: An Experiment with a Student-Led, For-Credit University Course*.

2150. Business Geography: Site Analysis and Tracking (Sponsored by Applied Geography Specialty Group, Business Geography Specialty Group)

- Room:** *Lincoln Room 6, Marriott, Exhibition Level (Illustrated Paper Session)*
ORGANIZER(S): Lawrence E. Estaville, Texas State University
CHAIR(S): Lawrence E. Estaville, Texas State University
8:00 Jeffrey Hall*, Texas State University, *General Nutrition Center Site Analysis and Tracking*.
8:05 Pete Castillo*, *Wal Mart*.
8:10 William Shamburg*, Geography Student, *Lamb's Tire and Automotive Site Analysis and Tracking*.
8:15 Karen Daleiden*, Texas State University, *Macy's Site Analysis, Strategy, and Product Tracking Techniques*.
8:20 Otis K Fuller*, Texas State University (student), *Bass Pro Shops Site Analysis and Tracking*.
8:25 Zhuojie Huang*, Department of Geography, University of Florida, *Using Participatory GIS as a marketing survey tool: an internet GIS framework by ESRI Flex API and ArcGIS Server*.

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2151. Coupled Human and Natural Systems (CHANS): Urban-Built-Coastal Systems

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

ORGANIZER(S): William J. McConnell, Michigan State University; Thomas J. Baerwald, National Science Foundation

CHAIR(S): Jianguo Liu

8:00 Lily A. House-Peters*, Portland State University; Heejun Chang, Portland State University, *The Challenge of Predicting Future Urban Water Demand: A System Dynamics Modeling Approach*.

8:20 Timothy W Lant, Ph.D.*, Arizona State University; Sharon Harlan*, Arizona State University, *Scenario Exercises as Synthetic Decision-making Environments for Urban Vulnerability to Climate*.

8:40 Daniel Joseph Hogan*, University of Campinas - Nepo-Nepam, *Urban growth, vulnerability and adaptation: social and ecological dimensions of climate change on the coast of Sao Paulo*.

9:00 Scott A. Drzyzga, Ph.D.*, Shippensburg University; Claire Jantz, Ph.D., Shippensburg University; Claire Welty, Ph.D., CUERE at UMBC, *Analyzing and Visualizing the Evolution of Journey-To-Work Flows in the Baltimore Region*.

9:20 Dylan McNamara*, UNC-Wilmington/Department of Physics; A. Brad Murray*, Duke University; Marty Smith, Duke University; Sathya Gopalakrishnan, Duke University; Jordan Slott, Sun Microsystems; Tom Crowley, University of Edinborough; Mike Orbach, Duke University; Joe Ramus, Duke University, *Coastline change and coastal economies coupled through beach replenishment*.

2152. Embodied Perspectives

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

ORGANIZER(S): Program Committee

CHAIR(S): Hannah Emple

8:00 Rebecca E. Lane*, University of Kentucky, *Surveillance, Deviance, and the Cesarean Section*.

8:20 Frank Hutchins, Associate Professor*, Bellarmine University, *Biopower and Birthplace: Managing Maternity in Ecuador*.

8:40 Hannah Emple*, Macalester College, *The Places of Birth*.

2153. International Perspectives in Tourism I (Sponsored by Recreation, Tourism, and Sport Specialty Group)

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

ORGANIZER(S): Sanjay K Nepal, Texas A&M University

CHAIR(S): Sanjay K Nepal, Texas A&M University

8:00 Alison M. Gill*, Simon Fraser, *Rethinking resort growth: New perspectives on resort governance in the 21st Century*.

8:20 Dallen J. Timothy*, Arizona State University; Alon Gelbman, Kinneret College on the Sea of Galilee, Israel, *International Exclaves and the Role of the Border in Tourism Development*.

8:40 William G Ruzek, Student*, Ohio Wesleyan University; How Man Wong, President, China Exploration and Research Society, *Ecotourism in Shangri-la: The China Exploration and Research Society in Rural China*.

9:00 Waleed Hazbun*, Johns Hopkins University, *Tourism and the political economy of place-making in the Arab World*.

9:20 Sanjay K Nepal*, Texas A&M University, *Freak and Z: A tale of two streets about boom and bust in Kathmandu's tourism industry*.

2154. Volunteered GIS

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

ORGANIZER(S): Program Committee

CHAIR(S): Gerardo Hernandez, Universidad Nacional Autonoma De Mexico

8:00 T. Edwin Chow*, Texas State University - San Marcos, *Census 2.0?*.

8:20 Aaron Myers*, Oak Ridge National Laboratory; Dan Getman, Oak Ridge National Laboratory; Amy N. Rose, Oak Ridge National Laboratory; Alex Sorokine, Oak Ridge National Laboratory, *Understanding Volunteered Geographic Information and Its Potential in Scientific Research*.

8:40 Jingnong Weng*, Bei Hang University, *On POI hot rank model and visualization method under Global GIS environment*.

9:00 William Buckingham*, University of Wisconsin - Madison, *Qualitative Geographic Information and Public Health: Using volunteered geographic information to plot safe routes to school*.

9:20 Gerardo Hernandez*, Universidad Nacional Autonoma De Mexico; Miguel Aguilar-Robledo*, Universidad Autonoma De San Luis Potosi, *Participatory GIS for indigenous communities in six ejidos of the Huasteca Region, Eastern San Luis Potosi, Mexico*.

2155. Geography for a Changing World - Geographic Research at the US Geological Survey

Room: Washington Room 5, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Jonathan H. Smith, United States Geological Survey

CHAIR(S): Jonathan H. Smith, United States Geological Survey

Panelists: Ione L. Taylor, United States Geological Survey; Mark L. Demulder, United States Geological Survey; Bruce Quirk, United States Geological Survey; Jonathan H. Smith, United States Geological Survey; Carl Shapiro, United States Geological Survey

2156. Energy Futures: Geographies of Energy Transition 1 (Sponsored by Energy and Environment Specialty Group)

Room: Blue Room, Omni Shoreham (Paper Session)

ORGANIZER(S): Gavin Bridge, University of Manchester; Michael J. Bradshaw, University of Leicester

CHAIR(S): Gavin Bridge, University of Manchester

8:00 Barry D. Solomon, Ph.D.*, Michigan Technological University, *The Coming Sustainable Energy Transition: Background, Strategies, and Prospects*.

8:20 Michael C. Ewers*, Ohio State University, *OPEC after Oil: implications of a global energy transition for oil economies*.

8:40 Carol M Atkinson-Palombo, PhD*, University of Connecticut; Robert M Cromley, PhD, University of Connecticut; George Bentley, University of Connecticut, *The Geographies of Fossil Fuel Dependency and Greenhouse Gas Emissions*.

9:00 Pedro Campos Silva*, University of Osnabrueck; Britta Klagge, University of Osnabrueck, *The Transition of the German Energy System: from centralized to decentralized structures?*.

Discussant(s): Michael J. Bradshaw, University of Leicester

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2157. Relating to Risk: Varied Approaches to Hazards Research (Sponsored by Hazards Specialty Group)

Room: Cabinet, Omni Shoreham (Paper Session)

ORGANIZER(S): Heather Bell, Pacific Disaster Center

CHAIR(S): Heather Bell, Pacific Disaster Center

8:00 James K. Mitchell*, Rutgers University, *Changing perceptions of climate risks across the centuries: Evidence from Ireland and New Jersey.*

8:20 Susan M. Macey*, Texas State University, James and Marilyn Lovell Center for Environmental Geography and Hazards Research, *Public perception of wildfire smoke hazard in Redding, California.*

8:40 Stentor Danielson*, Slippery Rock University, *Is FireWise Men's Work? The Construction of the Household in the Wildland-Urban Interface.*

9:00 Graham A. Tobin*, University of South Florida; Linda M. Whiteford, University of South Florida; Eric C. Jones, University of North Carolina at Greensboro; Arthur Murphy, University of North Carolina at Greensboro; A. J. Faas, University of South Florida; Isabel Pérez-Vargas, University of North Carolina at Greensboro; Fabiola Juarez Guevara, University of North Carolina at Greensboro, *Resilience and Well-Being in Post-Disaster and Chronic Hazard Settings: A Social Network Analysis.*

9:20 Jorge V. Bajo*, SUNY at Buffalo; Carolina Garcia Londoño, University of Milano Bicocca; Luke J. Bowman, Michigan Technological University, *Culture and Language Barriers in Volcanic Risk Mitigation: Observations from the Workshop "Knowledge Sharing and Collaboration in Volcanic Risk Mitigation at Galeras Volcano", Colombia.*

2158. Geographies of Response I (Sponsored by Geographic Perspectives on Women Specialty Group, Indigenous Peoples Specialty Group)

Room: Calvert, Omni Shoreham (Paper Session)

ORGANIZER(S): Emilie Cameron, University of British Columbia; Sarah De Leeuw, University of Northern British Columbia

CHAIR(S): Cindi Katz, CUNY Graduate Center

8:00 Caroline Desbiens*, Université Laval, *'Step lightly, then move forward': Exploring Inuit women's response and resistance to Northern research.*

8:20 Petr Jehlicka*, The Open University; Matthew Kurtz, *Recognizing Resistance? The Legibility of Czech Woodcraft Culture as a Response.*

8:40 Laurel Catherine Smith*, University of Oklahoma, *Articulating Indigenous Video: Politics, Performance, and Place.*

9:00 David Butz*, Brock University, *Response as Autoethnography: Outernational Roots Reggae.*

Discussant(s): Audrey L. Kobayashi, Queen's University

2159. (In)secure space: Security, dissent, and contemporary urban social struggles I (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): Nathan Lee Clough, University of Minnesota

CHAIR(S): Nathan Lee Clough, University of Minnesota

8:00 Jason Robert Burke*, University of Toronto, *In the 'Defence' of Cities: A History of Security Planning in Canada.*

8:20 Nicholas Jon Crane*, The Ohio State University, *"2 de Octubre no se olvida": Making usable pasts of state repression in Mexico City.*

8:40 Robert B. Ross*, Point Park University, *Connecting the Politics of Possibility to the Politics of Protest: Lessons from the Pittsburgh G20 Summit.*

9:00 Koenraad Bogaert*, Ghent University, *The securitization of urban space in Morocco.*

9:20 Owen Toews*, CUNY Graduate Center, *Urban Decolonization and Neocolonial Resistance in Winnipeg, Canada.*

2160. Health Systems in Rural and Urban Areas

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Surinder Aggarwal, Delhi University

8:00 Lucy Au*, University of Canterbury, *Knowledge, attitudes and skills of health care workers in using ICT in Papua New Guinea (PNG).*

8:20 Daniel Buor*, Kwame Nkrumah University of Science and Technology, *The relative effect of distance in the utilization of health services in Ahafo Ano South rural district, Ghana.*

8:40 Carsten Butsch*, Carsten Butsch, *Access to healthcare in fast-growing agglomerations - a case study from Pune/India.*

9:00 Tabea Bork*, Department of Geography, University of Cologne, *Governance challenges in China's urban health care system - the role of stakeholders.*

9:20 Surinder Aggarwal*, Delhi University, *Acting on Social Determinants of Health Equity to Promote Healthy Urban Settings: Experience from India.*

2161. Rethinking Nature/Economy in the City I (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Congressional A, Omni Shoreham (Paper Session)

ORGANIZER(S): Katharine Meehan, University of Arizona; Nathaniel Gabriel, Rutgers University

CHAIR(S): Katharine Meehan, University of Arizona

8:00 Vanessa A. Massaro*, Penn State University, *Capitalism in the Revolution? Alternative Economic Practices in West Philadelphia.*

8:20 Elizabeth L. Sweet*, University of Illinois Urbana Champaign, *Locating Immigrant Latina Economic Activities in a Diverse Economies Framework: Evidence from Chicago.*

8:40 Trina Hamilton*, SUNY - Buffalo; Winifred Curran, Depaul University, *Just clean enough: Rethinking environment and economy in Greenpoint, Brooklyn.*

9:00 Nathaniel Gabriel*, Rutgers University, *Dividing and Binding: Cartography and the Production of Urban Nature.*

Discussant(s): Marla R. Emery, USDA Forest Service

2162. Bioenergy Informatics: GIS, Spatial Analysis Tools and Methodologies (Sponsored by Economic Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Energy and Environment Specialty Group)

Room: Congressional B, Omni Shoreham (Paper Session)

ORGANIZER(S): Steve Peterson, Oak Ridge National Laboratory

CHAIR(S): Steve Peterson, Oak Ridge National Laboratory

8:00 Mark W. Horner*, Florida State University; Tingting Zhao, Florida State University, *GIScience and Energy: Evaluating Research Opportunities in the Age of Climate Change, Fuel Consumption, and the need for Energy Sustainability.*

8:20 Steve Peterson*, Oak Ridge National Laboratory, *The Spatial Pattern of U.S. Corn-Ethanol Biofuels Production and Distribution.*

8:35 Ryan E. Baxter*, Pennsylvania State University; Tom L. Richard, Pennsylvania State University; Barry Evans, Pennsylvania State University; Mark Dubin, University of Maryland; Paul Adler, USDA-ARS, *A Spatial Assessment of Potential Cellulosic Biofuel Feedstocks in the Chesapeake Bay Watershed.*

THURSDAY, APRIL 15 • 8:00 AM - 9:40 AM • 2100

8:50 Colin Gleason, M.S. Student*, SUNY ESF; Jungho Im, Ph.D., SUNY ESF, *A GIS and remote sensing approach to alternative energy production and a new energy grid in America.*

9:05 Budhendra Bhaduri*, Oak Ridge National Laboratory; Daniel Getman, Oak Ridge National Laboratory, *Bioenergy Knowledge Discovery Framework: Collaboration, Data Management, Analysis, and Visualization Tools Designed to Support Bioenergy Infrastructure Research.*

9:25 Anthony Basco Halog, PhD*, University of Maine; Shashi Dhungel, M.S., University of Maine, *Operationalizing Sustainability Through Modeling CHANS for Bioenergy Development.*

2163. Reflexivities of Today / Geographies of Tomorrow: Graduate Students Reflect on Fieldwork (Sponsored by Graduate Student Affinity Group)

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Anna Cieslik, Clark University; Kevin Keenan, College of Charleston

CHAIR(S): Danielle Fontaine, Clark University

8:00 Mindy Conyers*, University of Central Arkansas, *A Physical Geographer's Field Experiences in the Western San Juan Mountains.*

8:15 Amanda Krugh*, WVU, *Qualitative Geographic Fieldwork: Experiences Conducting Interviews in the Field.*

8:30 Elizabeth Heller, McGill University; Julia Christensen, McGill University; Lindsay Long*, McGill University; Catrina A. MacKenzie, McGill University; Philip M. Osano, McGill University; Britta Ricker, McGill University; Emily Kagan, McGill University; Sarah Turner, McGill University, *Dear Diary: The potential of critically reflexive journaling as a strategy for identifying and resolving dilemmas in the field.*

8:45 John J. Watters*, National Institute for Regional and Spatial Analysis, NUI Maynooth., *The problem of categories for the data analysis of a poststructuralist study.*

Discussant(s): Jim Murphy, Clark University

2164. Contemporary geographic research on (im)migration 1: The spatial politics of immigration (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Diplomat, Omni Shoreham (Paper Session)

ORGANIZER(S): Patricia Ehrkamp, University of Kentucky; Helga Leitner, University of Minnesota - Minneapolis

CHAIR(S): Helga Leitner, University of Minnesota - Minneapolis

Introducer: Patricia Ehrkamp

8:00 Monica Varsanyi*, City University of New York; Marie Provine, Arizona State University; Paul Lewis, Arizona State University; Scott Decker, Arizona State University, *A Multilayered Jurisdictional Patchwork: The Reemergence of Immigration Federalism in the United States.*

8:20 Kyle Walker*, University of Minnesota, *Nationalism, Scale, and the Local Politics of Immigration in the US.*

8:40 Erika Sigvardsdotter*, Uppsala University, *The Production and Negotiation of Institutional Borders -Performance of Scale in Restricting Health Care Access for Undocumented Migrants.*

9:00 Micheline van Riemsdijk*, University of Tennessee, *The Global 'Battle for the Brains.' A Critique of the European Blue Card.*

9:20 Walter J. Nicholls*, Sociology, University of Amsterdam, *Becoming Legal: Boundary Negotiation in France's Immigrant Rights Movements.*

2165. Hurricanes I: Climatology/Meteorology (Sponsored by Climate Specialty Group)

Room: Director's, Omni Shoreham (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 Jay S. Hobgood*, Ohio State University, *Hurricane Ike (2008) and the Windstorm over Ohio.*

8:20 Peter Hunt Yaukey, Ph.D.*, University of New Orleans, *Spring-Neap Tidal Patterns in Atlantic Tropical Cyclones.*

8:40 Jennifer Collins*, University of South Florida; David Roache, University of South Florida, *The 2009 hurricane season in the Northeast Pacific and implications for the North Atlantic.*

9:00 David R. Roache*, University of South Florida; Jennifer M. Collins, Ph.D., University of South Florida; Thomas R. Boucher, Ph.D., Plymouth State University, *The Variability of Atlantic Tropical Cyclone Activity and Landfall Frequency during the ENSO Neutral Conditions.*

9:20 Corene J. Matyas, PhD*, University of Florida, *A GIS-based analysis of the composition of tropical cyclone rain shields at landfall.*

2166. International Perspectives on Immigration and Housing (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University

CHAIR(S): Thomas Sydney Carter

8:00 Carlos Teixeira, Associate Professor*, University of British Columbia Okanagan, *Immigrant Housing Experiences in Central Okanagan, British Columbia..*

8:20 Michael Poulsen*, Macquarie University, *Housing, Spatial Assimilation and Community in Sydney, Australia.*

8:40 Samuel M. Otterstrom*, Brigham Young University; J. Matthew Shumway, Brigham Young University, *Income Migration and Housing Effects In US Immigrant Gateways during the 2000s.*

9:00 Thomas Sydney Carter, Professor*, University of Winnipeg, *How Do Centre Size and Neighbourhood Characteristics Influence the Housing Trajectories of Newcomers? A Manitoba Study.*

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- 2168. Disturbances in the Mesoamerican Biological Corridor Calakmul-Sian Ka'an, Mexico: Landscape responses. (Sponsored by Biogeography Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: Forum, Omni Shoreham (Paper Session)

ORGANIZER(S): Laura C. Schneider, Rutgers University
CHAIR(S): Laura C. Schneider, Rutgers University

8:00 Birgit I Schmook*, ECOSUR - El Colegio De La Frontera Sur; Canul Mirna, ECOSUR- Chetumal; Chan Rivas Emeterio, ECOSUR- Chetumal, *Assessing community strategies and the socio-economic effects of Hurricane Dean in the Mesoamerican Corridor Calakmul - Sian Ka'an.*

8:20 Irene Zager*, Rutgers University; Laura Schneider, Rutgers University, *Determining The Effect of Land Use Change On Forest Damage And Recent Recovery After A Hurricane Disturbance In The Mesoamerican Biological Corridor Sian Ka'an-Calakmul, Mexico.*

8:40 Megan McGroddy*, NASA/ UVA; Karen L. Vandecar, University of Virginia; Deborah Lawrence, University of Virginia; Dana Richards, University of Virginia; Laura Schneider, Rutgers University; John Rogan, Clark University; Birgit Schmook, ECOSUR, *Hurricane Dean effects on dry tropical forest in the southern Yucatán Peninsula.*

9:00 John Rogan*, Clark University; Zachary Christman, Clark University; Marco Millones, Clark University; Esteban Rossi, Clark University; Laura Schneider, Rutgers University, *Assessment of Hurricane Damage in the Yucatán Peninsula, Mexico, and its Connection to Fire and Land Cover Change.*

Discussant(s): Michael W. Binford, University of Florida

- 2169. Right to the City: Urbanism, Planning, Anti-Oppression (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)**

Room: Governor's, Omni Shoreham (Paper Session)

ORGANIZER(S): Ted Rutland, University of British Columbia
CHAIR(S): Ted Rutland, University of British Columbia

8:00 Jenna M. Loyd, Ph.D.*, City University of New York, *Anti-Violence, Abolitionism & Right to the City.*

8:20 Barbara Van Dyck*, Catholic University Leuven, *Transcending boundaries to recapture city making in Marseille.*

8:40 John Paul Catungal*, University of Toronto, *Performativities of Queer Space: Nostalgia, Threat and the Re-Production of the Gay Village in Toronto.*

9:00 Ted Rutland*, University of British Columbia, *Amenity as Whiteness.*

Discussant(s): Deborah G. Martin, Clark University

- 2170. Regions in the Global Knowledge Economy I - Local and Global Networks (Sponsored by Economic Geography Specialty Group, Regional Development and Planning Specialty Group)**

Room: Hampton, Omni Shoreham (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University of Toronto; Gregory M. Spencer, University of Toronto

CHAIR(S): Dieter Franz Kogler, University of Toronto

8:00 Jennifer Clark*, Georgia Institute of Technology, *Leaving the Satellite Platform Behind? : Regional Innovation Capacity and Technological Change in Industrial Districts.*

8:20 Michael Fritsch*, Friedrich Schiller University Jena; Dieter F. Kogler, University of Toronto; Kevin Stolarick, University of Toronto, *the (creative) determinants of regional economic growth - Germany, 1975-2005.*

8:40 Gregory M. Spencer, Dr.*, University of Toronto, *Local Context and the Social Network Characteristics of Creative Workers.*

9:00 Johannes Glückler*, Universität Heidelberg, *Can organizations learn from their periphery?.*

Discussant(s): Michael Storper, London School of Economics

- 2171. Field-based Experiences in Geography Education**

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Seth Appiah-Opoku, University of Alabama

8:00 Laurie Parendes*, Edinboro University, *An "Outdoor Experience" for Undergraduates: Student-Devised Field Trips as a Teaching Tool.*

8:20 Jo Beth Mullens*, Keene State College; Robert S. Bristow, Westfield State College; Pru H. Cuper, Keene State College, *Trends in Faculty-Led Field Courses within Departments of Geography: What are we doing now? Where are we going next?*

8:40 Amy Richmond Krakowka, PhD*, USMA, *Alternative Strategies to Teaching: Learning Through Simulations and Educational Trips.*

9:00 Chew-Hung Chang, Dr.*, Nanyang Technological University; Kalyani Chatterjea, Dr., Nanyang Technological University; Dion H.L. Goh, Dr., Nanyang Technological University; Ee-Peng Lim, Prof., Singapore Management University; Yin-Leng Theng, Dr., Nanyang Technological University; Aixin Sun, Dr., Nanyang Technological University, *Learner experiences in a field-based inquiry in Geography using mobile devices.*

9:20 Seth Appiah-Opoku*, University of Alabama, *Designing Summer Abroad Programs in Africa: Challenges and Opportunities.*

- 2172. Geographies of Web Information. Search Engines, Maps, and a World of Change (1) (Sponsored by Cyberinfrastructure Specialty Group, Economic Geography Specialty Group, Communication Geography Specialty Group)**

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Lomme Devriendt, University of Ghent; Andrew Boulton, University of Kentucky

CHAIR(S): Stanley D. Brunn, University of Kentucky

Introducer: Frank Witlox

Introducer: Matthew W. Wilson

8:10 Lomme Devriendt*, University of Ghent; Andrew Boulton, University of Kentucky; Stanley D Brunn, University of Kentucky; Ben Derudder, Ghent University; Frank Witlox, Ghent University, *Major Cities in the Information World: Monitoring Cyberspace in Real-Time.*

8:30 Andrew Boulton*, University of Kentucky; Lomme Devriendt, Ghent University; Stanley Brunn, University of Kentucky, *"The language of the Internet": World City Networks and the non-English Web.*

8:50 Matthew Zook*, University of Kentucky; Mark Graham, Ph.D., Oxford Internet Institute, *The Warped Mirrors of Spatial Search Engines: Analyzing Online Representations of Place.*

9:10 Maria Paradiso, Prof.*, Università Del Sannio, Faculty SEA, Italy, *The relationship between web information and local tacit knowledge.*

Discussant(s): Stanley D. Brunn, University of Kentucky

THURSDAY, APRIL 15 • 8:00 AM - 9:40 AM • 2100**2173. Hazard Impacts**

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

ORGANIZER(S): Program Committee

CHAIR(S): Darren Ruddell

8:00 Kristin Gangwer*, University of Colorado; William Travis, University of Colorado, *Assessing Drought Impacts and Vulnerability in the US Intermountain West*.

8:20 Jinmu Choi*, Geosciences, Mississippi State University; William H. Cooke, Geosciences, Mississippi State University; Ryan B. Russell, Geosciences, Mississippi State University, *Validation of Damage Assessment of HAZUS-MH for Hurricane Katrina*.

8:40 Joel Brown*, University of Montana, *Irrigators' Vulnerability to Drought in the Flathead River Basin, Montana*.

9:00 Muhammad Tauhidur Rahman*, University of Oklahoma, *Modelling Tree Vulnerabilities and Damage from the 2007 Ice Storm in Norman, Oklahoma*.

9:20 Darren Ruddell*, Arizona State University; Sharon L. Harlan, Arizona State University; Gerardo Chowell, Arizona State University; Emmanuel Morales, Arizona State University; Wade Bannister, Arizona State University, *Heat-Related Mortality: A Case Study on Phoenix, AZ*.

2174. African Tourism Studies

Room: *Park Tower 8205, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eunice Amissah, University of Cape Coast, Ghana

8:00 Sriram Khé*, Western Oregon University, *Who benefits from volunteer tourism?*

8:20 Jean-Gael E. Collomb*, University of Florida, *Linking tourism, wellbeing and conservation in Namibia's conservancies*.

8:40 Erika Nelson*, Miami University Student, *The Making of Difference: Contrasting Views of Volunteer Tourism Impacts in South Africa*.

9:00 Foster Frempong*, University of Cape Coast, Ghana, *Domestic Tourism: A Source of Hope for Ghana's Tourism Sector*.

9:20 Eunice Amissah*, University of Cape Coast, Ghana; Foster Frempong, University of Cape Coast, Ghana; Agnes Amissah*, University of Cape Coast, Ghana; Eudora Aidoo-Taylor*, University of Cape Coast, Ghana, *Students' Perception of Service Quality of Eating Places on Campus: A Case Study of University of Cape Coast, Ghana*.

2175. Dynamics of networks and system of cities' evolution

Room: *Park Tower 8211, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Daniele Ietri, University of Lausanne; César Blaise Ducruet, CNRS / Paris I Sorbonne University

CHAIR(S): Celine Rozenblat, Université De Lausanne

8:00 Daniele Ietri*, University of Lausanne; Celine Rozenblat*, Université De Lausanne, *Simulating worldwide air traffic networks to evaluate hierarchical and regional effects*.

8:20 César Blaise Ducruet*, CNRS - Paris I Sorbonne University - UMR 8504 Géographie-Cités; Céline Rozenblat, University of Lausanne; Theo Notteboom, ITMMA - University of Antwerp - Antwerp Maritime Academy; Daniele Ietri, University of Lausanne; Arnaud Banos, CNRS - Paris I Sorbonne University - UMR 8504 Géographie-Cités, *The evolution of maritime networks: implications for port hierarchies*.

8:40 Michael Bentlage*, Stefan Lüthi; Alain Thierstein, Prof. Dr. oec, *Interlocking firm networks in the German knowledge economy. Methodological considerations..*

9:00 Wouter Jacobs, PhD*, Utrecht University; Oedzge Atzema, Prof., Utrecht University; Leo van Grunsven, PhD, Utrecht University, *The co-evolution of foreign multi-nationals and knowledge intensive business services in regional innovation systems. The case of Amsterdam-Utrecht*.

2176. Urban Transportation Studies

Room: *Park Tower 8217, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jiyeong Lee, University of Seoul

8:00 Michael Niedzielski*, University of South Florida; Edward J. Malecki, The Ohio State University, *Making Tracks: Rail Networks in World Cities*.

8:20 Jing Chen*, College of Arts and Sciences, Beijing Union University; Qiu Jing ZHANG, College of Arts and Sciences, Beijing Union University, *Analysis on Layout and Convenience Level of Beijing Urban Subway Transfer Stations*.

8:40 Jiyeong Lee*, University of Seoul, *Time-Dependent Optimal Route Algorithm for Emergency Response in Micro-Scale Urban Environments*.

9:00 Woohwa Jung*, Kyung Hee University; Chulsue Hwang, Kyung Hee University; Chang-Hyeon Joh, Kyung Hee University, *A regional analysis of public transport users' spatiotemporal distribution and the socio-economic conditions in Metropolitan Seoul*.

2178. Critical Geographical Perspectives

Room: *Park Tower 8224, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Amy Piedalue, University of Washington

8:00 Abigail Foulds*, University of Kentucky, *Getting Busy While Abroad: Women Travelers and Sex with the Other*.

8:20 René G. Kladzyk*, University of Oregon, *Pathways and Fences: Exploring the Changing Female Labor Force of Juarez, Mexico*.

8:40 Christina Marie Stoltz, AM Dartmouth College*, American University of Central Asia, Kyrgyz Republic, *The Legacy of "No": Gender-Based Violence Advocacy and Dueling Positionalities in Central Asia*.

9:00 Amy D. Piedalue*, University of Washington, *Gender Violence in India: Public Discourses and the Framing of Domestic Violence*.

2179. Civil Rights in Context

Room: *Park Tower 8229, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Eric D. Olson, Independent Scholar

8:00 Joseph T. Manzo, Ph.D*, Concord University; Johnathan Berkey, Ph.D, Concord University, *Indian Removal: The First Stimulus Package*.

8:20 Byron Thomas Smith*, University of South Carolina, *Emmett Till: A Geographic Story Longer Than Life*.

8:40 Marc J. Masurovsky*, US Holocaust Memorial Museum, *Mapping Emotional Communities: Resilience and Decline in the Evacuations from Auschwitz, January 1945*.

9:00 Eric D. Olson*, Independent Scholar, *Invisible Woman: Fanny Ellison's career with the American Medical Center for Burma*.

THURSDAY, APRIL 15 • 10:00 AM - 11:40 AM • 2200

- 2202. From conflict to cooperation II: Spaces of engagement, resource governance and the extractive industries (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**

Room: *Delaware Suite A, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): James Van Alstine, University of Leeds
 CHAIR(S): James Van Alstine, University of Leeds
10:00 Kazumi Kawamoto*, The University of Tokyo, *Insights from diamond extractive industries in Sierra Leone: Community Development Fund, Kimberley Process and kimberlite mining.*
10:20 Jennifer N. Lamb*, Virginia Tech; Keith M. Moore, Virginia Tech; Robert L. Smith, Virginia Tech, *Reforming Blood Timber and Blood Diamonds in West Africa: The Opportunities of Polycentric Approaches for Escaping Resource-Based Cycles of Conflict.*
10:40 Somnath Ghosal*, School of Geography, The University of Nottingham, UK; Charles Watkins; Sarah Jewitt, *An investigation of the importance of documenting non-timber forest products in 11 forest fringe villages of West Bengal, India.*
11:00 Sandra Moog*, University of Essex; Steffen Boehm, University of Essex, *The Forest for the Trees? The Forest Stewardship Council at Fifteen, State/Corporate/Civil Society Balance in Emerging Global Environmental Governance Regimes.*
11:20 Conny Davidsen, Dr. *, University of Calgary, *A Political Ecology of Company-Community Partnerships.*

- 2203. Public/Private Geocollaboration (Sponsored by Private/Public Affinity Group)**

Room: *Delaware Suite B, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Jeffrey M. Young, LizardTech
 CHAIR(S): Jeffrey M. Young, LizardTech
10:00 Jeffrey M. Young*, LizardTech; Benito J. Martinez, Jr., Director, Intergovernmental Relations, Regulation & Licensing Department, State of New Mexico, *Statewide Public/Private Geocollaboration.*
10:20 Sheldon Piepenburg*, MJ Harden GeoEye, *Collaborating on Data for the Nation - A New Path Forward?.*
10:40 Jaymes Pardue*, TerraGo Technologies, *"US Topo" - A Canvas for Public GeoCollaboration.*

- 2204. AAG Climate Change Education Projects and Programs**

Room: *Embassy, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Susan Gallagher, Association of American Geographers
 CHAIR(S): Susan Gallagher, Association of American Geographers
 Introducer: Susan Gallagher
 Panelists: Patricia Solis, Association of American Geographers; Chew-Hung Chang, Nanyang Technological University; Waverly C. Ray, Texas State University-San Marcos

- 2205. Geographies of difference and co-existence (Sponsored by Sexuality and Space Specialty Group)**

Room: *Ethan Allen, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Louise Waite, University of Leeds; Gill Valentine, University of Leeds
 CHAIR(S): Gill Valentine, University of Leeds
10:00 Mark Graham*, Stockholm University, *Commissioning Tolerance: commissions for human rights and equality in the UK and Sweden.*
10:20 Ruth Fincher, PhD*, University of Melbourne, *Institutional Expectations and Identity Tensions for Student Immigrants.*
10:40 Louise Waite*, University of Leeds; Gill Valentine, University of Leeds, *Negotiating difference through everyday encounters: The case of sexual orientation and religion and belief.*
11:00 Claire Dwyer, Dr*, University College, London; Violetta Parutis, Dr, University College London, *Faith in the system? An analysis of the politics of faith schools in Britain.*
11:20 Nichola Wood*, University of Leeds, *"&apparently you can't be bisexual": An exploration of inter- and intra-equality strand tensions in the workplace..*

- 2206. (Bio)Politics of Public Health (Sponsored by Health and Medical Geography Specialty Group, Political Geography Specialty Group)**

Room: *Marriott Ballroom Salon 1, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Griffiths Gavin; Matthew Sothorn, University of St. Andrews
 CHAIR(S): Griffiths Gavin
10:00 Adam Warren, Dr*, Loughborough; Lucy Budd, Dr, Loughborough University; Morag Bell, Professor, Loughborough University, *Representing the public health risks of global air travel: An analysis of newspaper reports of H1N1 infection in the UK.*
10:20 Matthew Sothorn*, University of St. Andrews, *Constructing Healthy Selves?: self-help, organ transplant and the impossible project of identity.*
10:40 Sealy Gilles*, Long Island University, *Textual Pox and Early Modern London.*
11:00 Griffiths Gavin*, University of St. Andrews, *Pos[i]t[ive] Expectations: HIV, public health and criminal law..*
 Discussant(s): Michael P. Brown, University of Washington

- 2207. Urban Property, Nature and Politics**

Room: *Marriott Ballroom Salon 3, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Chris Hagerman, Portland State University
10:00 Brian Stromberg*, Rutgers University, *Property or Home?: Nonmarket housing as an alternative to traditional market processes.*
10:20 Ming Yung Wu*, Department of Geography, National Taiwan University, *Faith-Based Organizations and Property Development.*
10:40 Mark Stephen Treskon*, New York University, *Boundary Work and Community: The Exclusionary Nature of Local Political Structures.*
11:00 Jorge J. Baltazar*, California State University, Fresno; C. Derya Ozgoc-Caglar, Assistant Professor, California State University, Fresno, *"Demographic Analysis in Green Space Accessibility and Allotment in Fresno, California".*
11:20 Chris Hagerman*, Portland State University, *The blurry edges of green infrastructure - construction and management of urban natures.*

THURSDAY, APRIL 15 • 10:00 AM - 11:40 AM • 2200

2208. Classification Approaches in Neighborhood Research (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group, Urban Geography Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Brian A. Mikelbank, Cleveland State

University; Michael Reibel, California State University

CHAIR(S): Sabina Deitrick, University of Pittsburgh

10:00 Jonathan Schroeder*, University of Minnesota,

Relationships between long-term population changes and neighborhood characteristics in U.S. urban cores.

10:20 Shipeng Sun*, University of Minnesota - Minneapolis, *Activity space, migration pattern, and neighborhood classification.*

10:40 Jared Aldstadt*, University at Buffalo, *A Local Spatial Statistics Method for Delineating Neighborhoods in Multivariate Spatial Datasets.*

11:00 Brian A. Mikelbank*, Cleveland State University, *Déjà vu all over again: Cleveland Neighborhood Classification 1970-2000.*

11:20 Sabina Deitrick*, University of Pittsburgh, *Tracing Taxonomies over Time: Neighborhood Change in Pittsburgh, 1930-2000.*

2209. Dendrochronology II: Dendroecology II (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State

University; James H. Speer, Indiana State University

CHAIR(S): Linah N Ababneh

10:00 Grant L. Harley*, University of Tennessee; Henri D.

Grissino-Mayer, PhD, University of Tennessee; Sally P. Horn, PhD, University of Tennessee, *Slash Pine (Pinus elliotii var. densa) in the Lower Florida Keys: Climate Response and Fire History Reconstructions.*

10:20 Jason Sibold*, Colorado State University; Mauro González, Universidad Austral de Chile; Antonio Lara, Universidad Austral de Chile, *Fire history of the Alerce (Fitzroya cupressoides) forest type, south-central Chile.*

10:40 Evan R Larson, Ph.D.*, University of Wisconsin - Platteville; Kurt F Kipfmüller, Ph.D., University of Minnesota - Twin Cities; Cindy M Hale, Ph.D., The Natural Resources Research Institute, University of Minnesota - Duluth; Lee E Frelich, Ph.D., University of Minnesota - Twin Cities; Peter B Reich, Ph.D., University of Minnesota - Twin Cities, *Using Tree Rings to Detect Earthworm Invasions and Their Ecological Effects in a Mixed Hardwood Forest, Northern Minnesota.*

11:00 Susy Svatek Ziegler*, University of Minnesota - Minneapolis; Julia Rauchfuss, Mid Sweden University, *Climate-Disturbance Relationships in the Big Woods of Minnesota.*

11:20 Joshua A Wixom*, West Virginia University, *Growth response of eastern redcedar to climatic variability.*

2210. "Environmental systems of small lakes and ponds in the Appalachian region" (Sponsored by Water Resources Specialty Group, Biogeography Specialty Group, Geomorphology Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Gregory A. Pope, Montclair State University

CHAIR(S): Gregory A. Pope, Montclair State University

Introducer: Gregory A. Pope

10:05 Gary Coutu, Ph.D.*, Geography and Planning, West Chester University, *Constructed ponds in an Urbanizing Landscape: Survey, Distribution and History.*

10:25 Duane Griffin, Ph.D.*, Bucknell University; Tracey Crumb, M.S., Bucknell University Biology Dept., *Environment and Plant and Animal Biodiversity in Appalachian Vernal Pools.*

10:45 Jennifer Evans*, Allegheny College; Milt Ostrofsky, PhD, Allegheny College; Tristan Kading, Wesleyan University, *A comparison of mercury accumulation rates among eight kettle lakes in northwestern PA.*

11:05 Gregory A. Pope, Assoc. Professor*, Montclair State University; Mary Egan, Assist. Professor, Montclair State University; Michael A. Kruege, Professor, Montclair State University; Sandra Passchier, Assist. Professor, Montclair State University, *Environmental Change Evident by Sediment Core, Lake Wapalanne, Northwest New Jersey.*

2211. Topics in Geography Education

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Allan Joseph Medwick, University of Pennsylvania

10:00 Audrey Mohan, Ph.D.*, University of Texas - San Antonio, *Geography's Place Within Social Studies: Teacher Knowledge, Attitudes, and Choice.*

10:05 Lynn Patterson, Ph.D.*, Kennesaw State University, *Increasing Global Awareness through a Global Virtual Classroom.*

10:10 Ryan L Perroy, PhD*, University of Wisconsin-La Crosse, *Nice to meet you, Marjorie Sweeting and V.V. Dokuchaev (teaching introductory physical geography with famous geographers).*

10:15 Esther Long Ratajeski*, Morehead State University; Verdrie A. Craig, Morehead State University, *Spatial Components of Distance Education: Why do Students Take Online Classes?.*

10:20 Sandra Hof*, Justus-Liebig-University Giessen, Germany; Karl-Heinz Otto, Prof., Ruhr University Bochum, Germany; Leif Olav Moenter, PhD, Ruhr University Bochum, Germany; Joachim Wirth, Prof., Ruhr University Bochum, Germany, *Which are the features of a geographic experiment? - Modeling students' geographical inquiry skills.*

10:25 Anya Butt, PhD*, Central College, *Introducing the concept of lab notebooks to GIS students.*

10:30 Toni Fisher*, ESRI, *Teaching with a Virtual Fieldtrip.*

10:35 Helenmary Hotz*, University of Massachusetts Boston; Jun Zhu*, University of Massachusetts Boston, *Implementation of a GIS Platform Teaching Model to Deliver Geography and Technology to Underserved High School Populations.*

10:40 Sandra Schmidt*, University of South Carolina, *Through a tinted window: The interference of perception in school geography.*

10:45 Allan Joseph Medwick*, University of Pennsylvania, *Transfer-Out Reporting on the IPEDS Graduation Rate Survey: A First Look at Trends and Methods.*

10:50 Michelle Simms*, Texas A&M University, *Using Google Earth as an Analogy.*

10:55 Casey D Allen*, University of Colorado Denver, *Fieldwork in Introductory Physical Geography Courses Increases Minority and Female Student Learning.*

11:00 Lawrence E. Estaville*, Texas State University, *Faculty Evaluation Systems in U.S. Geography Departments: Faculty Perspectives.*

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2212. Time Geography: Its Past, Present, and Future (II) (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Transportation Geography Specialty Group)

Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Shih-Lung Shaw, University of Tennessee; Hongbo Yu, Oklahoma State University
CHAIR(S): Shih-Lung Shaw, University of Tennessee
10:00 Cheng Liu, Ph.D.*, Oak Ridge National Laboratory; Budhendra Bhaduri, Ph.D., Oak Ridge National Laboratory, *An efficient algorithm to find the space time prism on a large street network by adopting the bidirectional A* shortest path algorithm.*
10:20 Kathleen Stewart Hornsby*, University of Iowa, *Temporal Foundations for Time Geography Applications.*
10:40 Fang Ren*, University of Redlands; Phil Mielke, City of Redlands, *Examining Police Patrol Routes in a Time Geographic Framework.*
11:00 Shih-Lung Shaw*, University of Tennessee, *Time Geography: Its Past, Present, and Future.*

2213. Aesthetic Geographies 2

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Elizabeth Straughan, Aberystwyth University; Harriet Hawkins
CHAIR(S): Elizabeth Straughan, Aberystwyth University
10:00 John Paul Jones III*, University of Arizona, *Political and Epistemic Issues in Artist-Scientist Collaboration.*
10:20 Robert R Marbury*, Minnesota Association of Rogue Taxidermists; Robert R Marbury, Minnesota Association of Rogue Taxidermists, *Art and the Liminal Space.*
10:40 Isla Forsyth*, University of Glasgow, *Envisioning the Aesthetics of Concealment, or, 'A land on the other side of the looking glass'.*
11:00 Deborah P Dixon, Dr*, Aberystwyth University, *Buffo.*
Discussant(s): Harriet Hawkins

2214. New Voices in Rural Geography (Sponsored by Rural Geography Specialty Group)

Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Dawn M Drake, University of Tennessee
CHAIR(S): Dawn M Drake, University of Tennessee
10:00 Kacy McKinney, PhC*, University of Washington Seattle, *Cultivating Inequality? Agrarian Change and child labor migration in hybrid Bt cotton seed production in west India.*
10:20 Deborah Scott, JD*, Rutgers University, *African Movements for Food Sovereignty: Re-envisioning Rural Development.*
10:40 Alex G. Martin*, University of Northern British Columbia, *Confronting a Changing Economic Landscape: The Challenge Facing Forest-Dependent Communities in British Columbia's Northern Interior.*
11:00 Ann Myatt James*, Pennsylvania State University, *Reframing US Policy Regime Research: Using Scale to Afford New Understandings of Political Economic Processes.*
11:20 Mark D Bjelland, Ph.D.*, Gustavus Adolphus College, *Young Adults and the Growth and Decline of the Rural Midwest.*

2215. Crime Modeling and Mapping (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Michael Leitner, Louisiana State University
CHAIR(S): Paul Zandbergen, University of New Mexico
10:00 Hans M Brun, MPIA (SIS)*, University of Stockholm, *Geographic Profiling of Serial Rapists.*
10:20 Tony H. Grubestic, Ph.D*, Indiana University, *The Impact of Urban Morphology on Sex Offender Residence Restrictions.*
10:40 Ran Wei*, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University, Tempe, AZ 85287, USA; Alan T. Murray, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University, Tempe, AZ 85287, USA; Sergio J. Rey, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University, Tempe, AZ 85287, USA; Timothy C Hart, University of Nevada Las Vegas, *Impacts of sex offender residency restrictions on the availability of affordable rental housing in Miami-Dade County.*
Discussant(s): Xinyue Ye

2216. GORABS Annual Lecture: Homo religiosus? Religion and immigrant subjectivities by Professor David Ley (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)
ORGANIZER(S): Peter E Hopkins, Newcastle University, UK; David J. Butler, University of Limerick (UL), Ireland
CHAIR(S): Elizabeth A. Olson, University of Edinburgh
Introducer: Elizabeth A. Olson
Panelists: David F. Ley, University of British Columbia

2217. Cyborg Spaces and Monstrous Places: Critical Geographic Engagements with Harawayian Theory (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Qualitative Research Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Panel Session)
ORGANIZER(S): Maureen H. Hickey; Matthew W. Wilson, Ball State University
CHAIR(S): Maureen H. Hickey
Introducer: Maureen H. Hickey
Introducer: Matthew W. Wilson
Panelists: Emma Jane Roe; Traci Warkentin, Hunter College - CUNY; James Craine, California State University Northridge; Ann Oberhauser, West Virginia University; Leesa Fawcett, Faculty of Environmental Studies, York University

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- 2219. Reproduction of Urban Inequality in New York City**
Room: *Thomas Paine, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Katie Himmelfarb, Rutgers University; Desiree Fields, CUNY Graduate Center
 CHAIR(S): Katie Himmelfarb, Rutgers University
10:00 James Connolly, Ph.D. Candidate*, Columbia University; Justin Steil, Ph.D. Candidate, Columbia University, *Community-Based Approaches to Addressing Institutional Inequalities: The Case of Brownfield Redevelopment in New York City*.
10:20 Juan J Rivero, PhD candidate*, Rutgers University, *Planning the Unplanned: Marginal Spaces in Coney Island*.
10:40 Dory Kornfeld*, Columbia University, *Planning for Food Justice in New York City*.
11:00 Catherine Guimond*, University of California, Berkeley, *Uncertain engagements: mixed-income and affordable housing development and the reproduction of inequality in the South Bronx*.
- 2220. Geographies of Media VI: Geography and Videogaming (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)**
Room: *Virginia Suite A, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): James Craine, California State University Northridge; Leigh Schwartz, University of Texas at Austin
 CHAIR(S): Kristofer Erickson
10:00 David Grondin*, School of Political Studies, University of Ottawa; Paul Racine-Sibulka*, School of Political Studies, University of Ottawa, *The Cinematics of War Videogames: Selling War as Game Is Not a Fiction for the US War Machine*.
10:20 Leigh Schwartz*, University of Texas at Austin, *Navigating by Story: Truth, Fiction, and Creativity in Online Games*.
10:40 Ryan Zachary Good*, University of Florida, *'Shoot 'em in the Head!': Violence and Orientalism in African-set Video Games*.
11:00 Jeremy Aber*, Kansas State University, *Videogames as Geographic Educational Tools*.
11:20 Kristofer Erickson*, *When Video Games Get Real: Virtual Politics and 'Six Day in Fallujah'*.
- 2221. Geovisualization, Geovisual Analytics, Cognition, Behavior and Representation II: Dynamic and 3-D Displays (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, Geography Education Specialty Group)**
Room: *Virginia Suite B, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Kirk Goldsberry, Michigan State University; Sarah Battersby, University of South Carolina
 CHAIR(S): Sarah Battersby, University of South Carolina
10:00 Carolyn Fish*, Michigan State University; Kirk Goldsberry, Ph.D., Michigan State University, *Animated Choropleth Maps and Change Detection*.
10:20 Kirk Goldsberry*, Michigan State University; Carolyn Fish, Michigan State University, *Change We Can Perceive In: Change Legibility In Dynamic Displays of Geographic Information..*
10:40 Robert M. Edsall, PhD*, University of Minnesota; Jeremy Moore, University of Minnesota; Vikrant Krishna, University of Minnesota, *Utility of the Wiimote Video Game Controller for Interaction with 3D Geo-representations*.
11:00 Sara Irina Fabrikant*, University of Zurich; Sara Maggi, University of Zurich, *Assessing the Effectiveness of 3D Network-Display Spatializations*.
- 11:20** Sarah E Battersby*, University of South Carolina; Kirk P Goldsberry, Michigan State University, *Quantifying complexity in dynamic maps*.
- 2222. Political Ecology, Policy and Praxis (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: *Virginia Suite C, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): William G. Moseley, Macalester College
 CHAIR(S): William G. Moseley, Macalester College
 Panelists: Anthony J Bebbington, University of Manchester; Nancy Peluso, University of California; Robin Mearns, World Bank; Jesse Ribot, University of Illinois; Melissa Marschke, University of Ottawa; Joshua S.S. Muldavin, Sarah Lawrence College; Diana M. Liverman, University of Arizona/University of Oxford; Peter A. Walker, University of Oregon
- 2226. Legal Geography II (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Jackson, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Joseph Holler, SUNY at Buffalo; Peter Kedron, Graduate Student
 CHAIR(S): Joseph Holler, SUNY at Buffalo
10:00 Peter Kedron*, Graduate Student, *Complex combinations: humans, non-humans, and law during the Alar scare of 1989*.
10:20 Andrew Francis Xavier Gustafson*, University of Colorado-Boulder, *No Safe Harbor: Federal Death Penalty Prosecutions in Non-Death Penalty States*.
10:40 Arianna Martinez*, Rutgers University, *The Legal Geography of Anti-Immigrant Ordinances*.
 Discussant(s): Joseph Holler, SUNY at Buffalo
- 2227. Sustainable Wine: Carbon Neutrality, Organic, Biodynamic Production, and Terroir (Sponsored by Wine Specialty Group)**
Room: *Jefferson, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Denyse Lemaire, Rowan University
 CHAIR(S): Denyse Lemaire, Rowan University
10:00 Greg Jones*, Southern Oregon University, *Analysis of Climate-Viticulture Structure and Suitability in the Western United States*.
10:20 Christian Patrick Heidkamp, Ph.D.*, Southern Connecticut State University; F. Tyler Huffman, Ph.D.*, Eastern Kentucky University, *Organic, Biodynamic, or Conventional Viticulture: A methodology for assessing the viability of eco-labeling in South Africa's wine industry*.
10:40 James Fisher, M.S., Soil science*, Soil Solutions LLC, *Assessing vineyard terroir via geospatial mapping*.
- 2228. Indigenous Research Ethics Protocols II (Sponsored by Indigenous Peoples Specialty Group)**
Room: *Johnson, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Zoltan Grossman, Evergreen State College
 CHAIR(S): Julianne Hazlewood, University of Kentucky
 Discussant(s): RDK Herman, National Museum of the American Indian
 Panelists: Renee Pualani Louis, University of Hawaii; Chantelle Richmond, The University of Western Ontario

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2229. Regional Dimensions of Global Economy: Recession, Stimulus Package and Development Impact (Sponsored by Regional Development and Planning Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Sudhir K. Thakur, California State University Sacramento; Rajrani Kalra, California State University, San Bernardino

CHAIR(S): George M. Pomeroy, Shippensburg University

10:00 William B. Beyers*, University of Washington, *On the Geography of the Great Recession in the United States*.

10:20 Sandy Dall'erba*, University of Arizona, *Comparing EU and US regional growth patterns and policies: Guidance for the Presidential Stimulus Package*.

10:40 Sudhir K. Thakur*, California State University Sacramento, *Financial Development and Regional Growth in Selected Asian Economies: An Exploratory Data Analysis*.

11:00 Rajrani Kalra*, California State University, San Bernardino, *High-Technology and Regional Development in India: Approaches and Policy Implications*.

11:20 Jonah White*, Western Washington University, *Case Studies in Gentrification: Downtown Seattle, 1980-2000*.

2230. Conservation, Development and the Production of Urban Vulnerabilities (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Gregory Simon, University of Colorado Denver; Sarah Dooling

CHAIR(S): Jessica K. Graybill, Colgate University
Discussant(s): Leah Horowitz, Rutgers University; Alec Brownlow, DePaul University

Panelists: Gregory Simon, University of Colorado Denver; Sarah Dooling; Harold Alan Perkins, Ohio University; Stephanie Pincetl, University of California

2232. Annals Editorial Board Meeting

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Program Committee

CHAIR(S): Audrey L. Kobayashi, Queen's University

Discussant(s): Karl S. Zimmerer, Penn State University; Mark Alan Fonstad, Texas State University, San Marcos; Mei-Po Kwan, Ohio State University; Peter O. Muller, University of Miami

2234. RSSG Student Honors Paper Competition II (Sponsored by Remote Sensing Specialty Group)

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Paul Merani, University of Nebraska; Benjamin Tuttle, University of Denver/University of Colorado, Boulder

CHAIR(S): Paul Merani, University of Nebraska

10:00 Xuefei Hu*, Center for Urban and Environmental Change, Indiana State University; Qihao Weng, Center for Urban and Environmental Change, Indiana State University, *Estimating Impervious Surfaces from Medium Spatial Resolution Imagery Using the Self-Organizing Map and Multi-Layer Perceptron Neural Networks*.

10:20 Caiyun Zhang*, University of Texas at Dallas; Fang Qiu, University of Texas at Dallas; Shaofei Chen, University of Texas at Dallas, *Unsupervised Hyperspectral Image Classification Using a Neuro-fuzzy System*.

10:40 Weining Zhu*, University of Massachusetts, Amherst; Qian Yu, University of Massachusetts, Amherst, *Inversion of Chromophoric Dissolved Organic Matter in Coastal and Estuarine Regions Using Satellite Hyperspectral Remote Sensing*.

11:00 Do Hyuk Kang*, Duke University; Ana P. Barros, Duke University, *Intercomparison of simulated and observed microwave radiations of snowpack*.

2235. Revisiting the Medieval Black Death: A Cartographical, Biological and Climatological Reanalysis (Sponsored by Health and Medical Geography Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Mark Welford, Georgia Southern University; Brian Bossak, Jiann-Ping Hsu College of Public Health

CHAIR(S): Mark Welford, Georgia Southern University

10:00 Mark Welford*, Georgia Southern University, *Comparing Seasonal Mortality Peaks among Black Death and Plague Epidemics*.

10:20 Barney Warf*, University of Kansas, *The Global Plague Pandemic in the Late 19th and Early 20th Centuries*.

10:40 Hiroshi Nishiura*, JST & University of Utrecht, *Epidemiological determinants of Black Death: Insights from epidemic modeling*.

11:00 Brian Bossak*, Jiann-Ping Hsu College of Public Health, Georgia Southern University, *A Cartography of Mortality: Revisiting the Black Death through GIS Mapping*.

2236. Climate Specialty Group Plenary Speaker Thomas Karl (Sponsored by Climate Specialty Group)

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Michael A. Palecki, National Climatic Data Center

CHAIR(S): Michael A. Palecki, National Climatic Data Center

2238. Fluvial Geomorphology

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kathleen Valimont Schreiber, Millersville University

10:00 Shelby D. Zelonis*, University of South Carolina; Jean T. Ellis, University of South Carolina; Ben K. Odhiambo, University of Mary Washington, *Geomorphic analysis of a rural fluvial system during pre- and post-dam removal conditions: A case study in eastern Virginia*.

10:20 Martin W. Doyle*, University of North Carolina, *Tributaries and Takings: How fluvial geomorphic definitions constrain the spatial extent of federal regulatory jurisdiction*.

10:40 Asma Al-Farraj*, UAE University; Adrian M Harvey, University of Liverpool, *Late Quaternary Interactions Between Fluvial and Marine Processes: A Comparison Between the East and West Coasts of The Northern United Arab Emirates*.

11:00 Gary Li*, California State University - East Bay, *Interference of Surface Objects and Rainfall in Overland Flow Resistance*.

11:20 Kathleen Valimont Schreiber, Ph.D.*, Millersville University, *A Hydroclimatic Analysis of Water Quality Variations in southern Lancaster County Tributaries of the Chesapeake Bay: A Student Project of the Research-for-Undergraduates Program*.

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- 2239. Abrupt Change, Scale, 'Collapse' 1: Narratives of Climate, Causation and Collapse (Sponsored by Cultural and Political Ecology Specialty Group, Geomorphology Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: Thurgood Marshall WEST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Karl W. Butzer, University of Texas - Austin; Georgina Endfield, University of Nottingham

CHAIR(S): Karl W. Butzer, University of Texas - Austin

10:00 Karl W. Butzer*, University of Texas - Austin, *Must "Collapse" be the contemporary Angst?*

10:20 Andrew J Dugmore, PhD*, University of Edinburgh; Christian Keller, PhD, University of Oslo; Thomas H McGovern, PhD, Hunter College, City University of New York; Sophia Perdikaris, PhD, Brooklyn College, City University of New York, *Cash economy, environment and collapse: why evidence of sustainable practices can occur in degraded landscapes.*

10:40 Andrew F Casely, PhD*, University of Edinburgh, *Settlement, interaction, climate and collapse: Modelling the Norse Eastern Settlement of Greenland.*

11:00 Nicholas P. Dunning*, University of Cincinnati; Timothy Beach, Georgetown University; David Wahl, USGS; Sheryl Luzzadder-Beach, George Mason University; Carmen McCormick, University of Cincinnati; John G. Jones, Washington State University, *The End of the Beginning: Reflections on the Preclassic Maya Collapse.*

11:20 David Helgren*, San Jose State University, *The Great Australian Dust Storm of September, 2009: Symptom of Future Global Warming Or Reminder of Modern Environmental Variability?*

- 2240. China and Globalization II: Industry (Sponsored by Economic Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)**

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yehua Dennis Wei, University of Utah; Ingo Liefner, Justus Liebig University Giessen

CHAIR(S): Ingo Liefner, Justus Liebig University Giessen

10:00 Christian Broemer*, Justus-Liebig-University Giessen, Germany; Ingo Liefner*, Justus Liebig University Giessen, *Knowledge absorption and international competitiveness of China's optoelectronic industry.*

10:20 Yun-Chung Chen*, Hong Kong University of Science & Technology; Mirana May SZETO, The University of Hong Kong, *Reinvention or hollowing-out? The dilemma of production restructuring of the Hong Kong film industry through cross-border co-production with China film companies.*

10:40 Zhiyong Hu, Dr. *, The University of Hong Kong, *Situating Regional Advantage in Geographical Political Economy: A Case Study of the Adaptive Capacities of State-owned Enterprises in Post-Reform Guangzhou, China.*

11:00 Xin Tong*, Peking University, *Integrated Responsibility and Fragmented Value Chain: The Response of Chinese Electronics Clusters to Global Environmental Pressures.*

11:20 Claudia Klaerding*, Department of Geography, Kiel University, Germany, *Culture and competitiveness - How cultural perceptions create hybrid interfirm practices of Chinese returnees.*

- 2241. Student recruitment, retention & issues of diversity in graduate and undergraduate programs. (Sponsored by Enhancing Departments and Graduate Education project (EDGE), Geography Faculty Development Alliance (GFDA))**

Room: Tyler, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Ken Foote, University of Colorado

CHAIR(S): Ken Foote, University of Colorado

Panelists: James Daniel Lowry, University of New Orleans; Catherine Berry, University of Nevada; Ines M. Miyares, Hunter College; William R. Strong, University of North Alabama; Richard Alan Sambrook, Eastern Michigan University

- 2242. Building regional and local resilience: ecological and social perspectives**

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

ORGANIZER(S): Arnoud Legendijk; Susan M. Christopherson, Cornell University

CHAIR(S): Andy Pike, CURDS, Newcastle University

10:00 Helka Moilanen*, *Zonal and network-like regional policies in facing the challenges of peripherality.*

10:20 Andrew M. Isserman, Ph.D.*, University of Illinois; Mallory L. Rahe, M.S., Oregon State University, *Local Resilience: Lessons from Prosperous Farming Communities.*

10:40 Yu Xiao*, Texas A&M University; Shannon Van Zandt, Texas A&M University; Wesley Highfield, Texas A&M University; Walter Gillis Peacock, Texas A&M University; Samuel Brody, Texas A&M University, *Community Recovery and Resilience after Disaster: Links between Jobs and Household Recovery.*

11:00 Bas Hendrikx, Radboud University Nijmegen; Arnoud Legendijk*, Radboud University Nijmegen, *Local Struggles, Global Movements: building alternative local economic practices.*

11:20 Bruce Pietrykowski*, University of Michigan-Dearborn, *Manufacturing Resilience: A Comparative Analysis of Michigan and Ontario.*

- 2243. Cities Under Economic Turbulence: A New Phase of Redevelopment Governance? II (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group)**

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Matthew Anderson, University of Illinois at Urbana-Champaign; Sternberg Carolina, University of Illinois at Urbana Champaign

CHAIR(S): Sternberg Carolina, University of Illinois at Urbana Champaign

10:00 Sheryl-Ann Simpson*, Cornell University, *Public Spaces, Public Bodies: Shifting strategies in Toronto's public housing production.*

10:15 Deborah L. Che*, *Sustainable, Green Futures After Natural and Unnatural Disasters?.*

10:30 Effie Davidson Scott*, Syracuse University, *Reinventing the Urban: Economic Restructuring and Revitalization in Phoenixville, PA.*

10:45 Sayoni Bose*, Ohio State University, *The Redevelopment Role of Public Service Institutions In The Post-Industrial City.*

11:02 Oli Mould*, Loughborough University; Peter Taylor, Loughborough University; Dennis Smith, Loughborough University; Michael Hoyler, Loughborough University, *The growth and life of Great American Cities: A historical perspective on explosive city growth in North American cities.*

Discussant(s): Euan Hague, DePaul University

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2244. History, Place names, and Gazetteers

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

ORGANIZER(S): Program Committee; Peter Bol, Harvard University

CHAIR(S): Peter Bol, Harvard University

Introducer: Peter Bol

10:05 Merrick Berman*, China Historical GIS, Harvard University; Bill Hays, Massachusetts Institute of Technology, *Temporal Referencing For Historical Gazetteers*.

10:22 Humphrey Southall*, Department of Geography, University of Portsmouth, *On the Organisation of Geographical Knowledge: methods and data models for building historical gazetteers and GIS*.

10:39 Ruth Mostern*, University of California - Merced, *Integrating Gazetteer Data and Historical Event Models: The View from Middle Period China*.

10:56 Daniel Rogers*, Smithsonian Institution, National Museum of Natural History; Claudio Cioffi-Revilla; Justine Benanty; Sarah Wise, *Agent-Based Modeling of Inner Asian Pastoralists in a Historical Landscape*.

11:13 Andreas Kunz*, Institute of European History Mainz, *Static vs. Dynamic: Reflecting on the Use of Placenames in a National Historical GIS*.

Discussant(s): Peter Bol, Harvard University

2245. Topics in Biogeography

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Caroline Staub, University of Florida

Monica T. Rother*, University of Tennessee, Knoxville; Henri D. Grissino-Mayer, University of Tennessee, Knoxville, *Climate as a Driver of Wildfire Across Land-Ownership Boundaries in Northwestern New Mexico, U.S.A.*

Niki A. Garland*, University of Tennessee-Knoxville; Sarah Jones*, University of Tennessee; Monica T. Rother, University of Tennessee-Knoxville; Henri D. Grissino-Mayer, University of Tennessee-Knoxville, *Developing a Ponderosa Pine (Pinus ponderosa) Tree-Ring Chronology for Assessing Fire-Climate Relationships, Zuni Mountains, New Mexico, U.S.A.*

Philip J Gardone*, West Virginia University; Tom Saladyga, West Virginia University; Joshua Wixom, West Virginia University; Peter Clark, West Virginia University; Amy Hessel, West Virginia University, *Fire history in an isolated red pine (Pinus resinosa) stand: How small is too small?*

Lisa M. Kennedy, PhD*, Virginia Tech; Arvind A. R. Bhuta, Virginia Tech; John W. Powers, Virginia Tech; Glen Gibson, Virginia Tech; Allison LeBlanc, Virginia Tech; Antonio C. Correa, PhD, Universidade Federal de Pernambuco, *Soil Charcoal as Evidence of Past Fires in Longleaf Pine Forest on Virginia's Coastal Plain*.

Glen Gibson, PhD Student*, Virginia Tech; Lisa M Kennedy, PhD, Virginia Tech; John W Powers, M.S. Student, Virginia Tech; Allison LeBlanc, M.S. Student, Virginia Tech; Alyssa Durden, M.S. Student, Virginia Tech; Jessica Carey, M.S. Student, Virginia Tech; Stewart Scales, M.S. Student, Virginia Tech, *Soil charcoal patterns in a rare montane pine barren of the Southern Appalachians*.

John W. Powers, MS Student*, Department of Geography, Virginia Tech; Lisa M. Kennedy, PhD, Department of Geography, Virginia Tech, *Vegetation Patterns in a Southern Appalachian Montane Pine Barren*.

Emily D. Yates*, Dixon National Tallgrass Prairie Seed Bank, Chicago Botanic Garden; Pati Vitt, PhD, Dixon National Tallgrass Prairie Seed Bank, Chicago Botanic Garden; Kayri Havens, PhD, Division of Plant Biology

and Conservation, Chicago Botanic Garden; Andrea T. Kramer, PhD, Botanic Gardens Conservation International US, Chicago Botanic Garden; David Sollenberger, Dixon National Tallgrass Prairie Seed Bank, Chicago Botanic Garden, *Assisted migration of plants: Changes in latitudes, changes in attitudes*.

Matthew S Borr, MA candidate*, University of Maryland College Park, *Assessing regrowth in Alaska boreal forests using MODIS vegetation indices*.

Paul A. Knapp*, University of North Carolina Greensboro; Keith S. Hadley, Portland State University, *A 400-Year Tree-Ring Reconstruction of Pacific Northwest Windstorms*.

S Michael Edwards*, University of West Georgia; Georgina G. DeWeese, University of West Georgia, Department of Geosciences, Carrollton, Georgia 30118; Thomas Foster, University of West Georgia, Department of Anthropology, Carrollton, Georgia 30118, *Verifying Habitation Dates of the Etowah Indian Mounds, Georgia, USA using Dendroarchaeology*.

Allison Rose Hudack*, University Wisconsin Platteville; Evan R Larson, Ph.D., University of Wisconsin - Platteville, *Reconstructing Climate Using the Rings of Ancient Whitebark Pine Trees from the Eagle Cap Wilderness, Eastern Oregon*.

Aquila Flower, MSc*, Department of Geography, University of Oregon; Dan G Gavin, PhD, Department of Geography, University of Oregon; Emily A Heyerdahl, PhD, Rocky Mountain Research Station, Fire Science Laboratory, Missoula; Russel A Parsons, PhD, Rocky Mountain Research Station, Fire Science Laboratory, Missoula, *Climate, Insect Outbreak, Fire, and Fuel Load Interactions in the Mixed Conifer Forests of Northeastern Oregon, Idaho, and Western Montana*.

Peter T. Soule, Dr. *, Appalachian State University; Paul A. Knapp, Dr., University of North Carolina-Greensboro, *Differential growth responses for ponderosa pine and Douglas fir trees under changing environmental conditions in the Northern Rockies*.

Aaron Moody*, university of north carolina, *Animal Movement Through the Matrix - Connected Landscape for Multiple Species*.

Joshua A Kincaid*, Shenandoah University, *Plant-environment relationships in the Shenandoah Valley of Virginia, USA*.

Justin Hart*, University of Alabama; Stacy Clark, USDA, Forest Service; Scott Torreano, University of the South, *Vegetation patterns in an old-growth mixed pine-hardwood forest on the Cumberland Plateau, Tennessee*.

Ruth Anne Guymon*, University of New Orleans, *Impact of Semi-natural Vegetation on Urban Birds*.

Matthew Valente*, University of Tennessee Department of Geography; Sally P Horn, University of Tennessee, *Marsh Sediments from Cuatrociénegas, Mexico Indicate Succession of a Late-Pleistocene Paleo-poa to a Contemporary Marsh in the Chihuahuan Desert*.

Rebecca Trewartha*, University Wisconsin Platteville; Evan R Larson, PhD, University of Wisconsin - Platteville, *Dynamics of Two White Spruce Stands in Contrasting Upland and Lowland Settings within the Arctic Treeline Ecotone*.

Daniel Lee Clark*, University of North Alabama; Kacey M Mayes, University of North Alabama; Greg G Gaston, University of North Alabama, *Water Quality and Waste Management: Possible Impacts on Cypress Creek*.

Sara Zeigler*, University of Maryland; William F Fagan, University of Maryland; Ruth Defries, Columbia University; Becky Raboy, Smithsonian National Zoological Park, *Identifying important forest patches*

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for the long-term persistence of an Endangered Brazilian primate.

- Arvind A.R. Bhuta*, Department of Geography, Virginia Tech; Lisa M. Kennedy, Ph.D., Department of Geography, Virginia Tech; James B. Campbell, Ph.D., Department of Geography, Virginia Tech, *Linking recruitment with canopy cover and closure in Piedmont longleaf pine forest communities of the southeastern U.S.*
- Francis L. Precht, Ph.D., GISP*, Frostburg State University, *Moisture Indices for Vegetation Modeling.*
- Anne Trainor*, University of North Carolina - Chapel Hill; William Morris, Ph.D., Duke University; Jeffery Walters, Ph.D., Virginia Tech; Aaron Moody, Ph.D., University of North Carolina, *Evaluating how environmental and social factors influence red-cockaded woodpecker (*Picoides borealis*) dispersal behavior in North Carolina.*
- Robin L. Van De Veer*, Indiana State University; James H. Speer, PhD, Indiana State University, *Dendroclimatic Reconstruction from Bald Cypress Near the Hovey Lake Archaeological Site in Southwestern Indiana.*
- Brian Watson*, University of Tennessee; Sally P. Horn, University of Tennessee; Kenneth H. Orvis, University of Tennessee, *A New Microscopic Charcoal Record from the Valle de las Morrenas, Costa Rica.*
- Vanessa Stretch*, University of Guelph; Ze'ev Gedalof, University of Guelph; Aaron A. Berg, University of Guelph, *Tree-ring evidence for CO₂ fertilization of forests.*
- James P Doerner*, University of Northern Colorado; Robert H Brunswig, University of Northern Colorado; David M Diggs, University of Northern Colorado, *Forest Canyon Pass: High Altitude Paleoclimate and Archaeology in Rocky Mountain National Park, Colorado.*
- Rachel H. McManamay*, Virginia Tech; James B. Campbell, Virginia Tech; Lynn M. Resler, Virginia Tech, *The Use of Repeat Aerial Photography to Characterize Spatio-Temporal Changes of Fraser fir cover in the Black Mountains, North Carolina.*
- Clayton J. Whitesides*, Texas State University; David R. Butler, Texas State University, *Alpine Treeline in the National Parks of Western USA: Adequacies and Deficiencies.*
- Michael Toomey*, University of California, Santa Barbara; Dar Roberts, University of California, Santa Barbara; Christopher Still, University of California, Santa Barbara, *Drought sensitivity of the Amazon: dry-season land surface temperature anomalies and ecological implications.*
- Jonathan A Walter*, Gettysburg College; Rutherford V. Platt, Gettysburg College, *Detection and Modeling of a Mountain Pine Beetle Outbreak in Colorado, 2002-2009.*
- Daniel G. Gavin*, University of Oregon; Erin M. Herring, University of Oregon; Patrick J. Bartlein, University of Oregon; Aquila Flower, University of Oregon, *Climate and fire controls of broad-scale vegetation patterns in northwestern North America: projections of the climatic water balance and no-analog climates.*
- Caroline G Staub*, University of Florida, *A vegetation monitoring program and baseline measure of elephant impact in Majete Wildlife Reserve, Malawi.*
- Allison LeBlanc*, Virginia Tech, *A paleoenvironmental record from sediments of a coastal lagoon in tropical dry forests of southwestern Dominican Republic..*

2246. Economic Geography and Investment

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Giselle Datz, Virginia Tech

10:00 Michael Gentile*, Umeå University; Thomas Niedomysl, Institute for Futures Studies; Anders Folkesson, Independent geographer, *Searching for Robin Hood: can one manipulate regional fiscal equalization systems to one's own advantage?*

10:20 Nicholas Campiz, Masters Student*, University of Florida Department of Geography; Richard Woods, Masters Student, Warrington College of Business, University of Florida, *Jurisdictional Arrangement and Resisting Financial Turbulence: The Faroe Islands and the North Atlantic.*

10:40 Caroline Granier*, GREThA Université Montesquieu Bordeaux IV, *Geographical bias of mutual funds: a comparison between US and European investors during the crisis.*

11:00 Brita I M Hermelin, Associate Professor*, Stockholm University, *Inward foreign direct investments in advanced services.*

11:20 Giselle Datz*, Virginia Tech, *Pension Funds and the Institutional Reconfiguration of Capital: The Case of Brazil.*

2247. Re-discovering the North II: Northern Sovereignty: Geopolitical Discourses and National Interests (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Canadian Studies Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Andrey N Petrov, University of Northern Iowa; Susan Lucas, Temple University

CHAIR(S): Heather Nicol, Trent University

10:00 Heather N Nicol*, Trent University, *Canada, the North and the Arctic States: New Discourses of Sovereignty?.*

10:20 James Umpherson*, Trent University, *Northern Sovereignty and Aboriginal Self-Determination:.*

10:40 Gail Russel*, University of Toronto, *A political-economic analysis of the implementation of the army-training base on Resolute Bay, Nunavut.*

11:00 Aileen Aseron Espiritu, Ph.D.*, Barents Institute, *Transborder regionalism in the North: inventing the Arctic in the Arctic Council.*

Discussant(s): Philip E. Steinberg, Florida State University

2248. Fluvial Geomorphology I (Sponsored by Geomorphology Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Inci Guneralp, Texas A&M University; Peng Gao, Syracuse University

CHAIR(S): Michael Slattery, Texas Christian University

10:00 Samantha Greene*, University of Wisconsin-Madison, *Hydrologic and Geomorphic Impacts of Dam Removal on the Baraboo River, Wisconsin.*

10:20 Paul Blanton*, University of Oregon, *Geomorphic impacts of floodplain roads and railroads, Yakima and Chehalis rivers, Washington State, U.S.A..*

10:40 Lisa Davis*, University of Alabama; Dan Royall, University of North Carolina, Greensboro, *In-channel alluvial benches and incipient floodplains in selected Piedmont streams of the Southeastern U.S..*

11:00 Robert T. Pavlowsky*, Missouri State University; Scott A. Lecce, East Carolina University; Marc R Owen, Missouri State University; Derek J Martin, Missouri State University, *Channel Dispersal and Storage of Mining Sediment in the Big River, Old Lead Belt, SE Missouri.*

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- 11:20** Peng Gao*, Department of Geography, Syracuse University; Maria Josefson, Department of Geography, Syracuse University, *Dynamic link between sediment sources and downstream load of a watershed.*
- 2249. Topics in Climatology and Coastal and Marine Geography**
Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jeffrey Harsant, University of Toronto
- 10:00** Ratchanok Sangpenchan*, *Climate Change Impacts on Cassava Production in Northeastern Thailand.*
- 10:05** Mark L. Hildebrandt*, Southern Illinois University Edwardsville; Pramithus Khadka, Southern Illinois University Edwardsville; Prita Malla, Kathmandu University, *Kathmandu Ko Badhdo Taap: Climate Change in Kathmandu, Nepal.*
- 10:10** Gregory S. Bohr*, California Polytechnic State University, San Luis Obispo, *Evaluation of Snowpack in the Sierra Nevada, California, Using SnoTel and Snow Course Data.*
- 10:15** Jeanne Thibeault*, University of Connecticut; Anji Seth, Ph.D., University of Connecticut, *Precipitation Variability in the Bolivian Altiplano: CMIP3 Projections.*
- 10:20** Matthew B. Pace*, School of Geographical Sciences and Urban Planning, Arizona State University; Kimberly DeBiasse, School of Geographical Sciences and Urban Planning - Arizona State University; Randall S. Cerveny, School of Geographical Sciences and Urban Planning Arizona State University, *Use of Climatological Isentropic Analysis in Forecasting the North American Monsoon Season.*
- 10:25** Kent M. McGregor*, University of North Texas, *Relation of Climatic Oscillation Indices to Precipitation Patterns in Texas.*
- 10:30** Rebecca L. Flatley*, Salisbury University; Frederick D. Bauer, Salisbury University; Michael S. Scott, PhD, Salisbury University; X. Mara Chen, PhD, Salisbury University, *The Risk and Vulnerability Impact Assessment of Sea Level Rise for Wicomico County, Maryland.*
- 10:35** Sarah Margaret Trimble, University of Mary Washington*, Undergraduate Student, *The Effects of Dredging on the Geography of the Mississippi Delta.*
- 10:40** Thomas R Fischetti*, U.S. Census Bureau; Steven G Wilson*, U.S. Census Bureau, *Hurricanes and the Coastline Population of the United States: 1900 to 2008.*
- 10:45** Erika Marin-Spiotta*, University of Wisconsin, Madison; Daniela Cusack, University of California, Santa Barbara, *Does tropical reforestation lead to carbon sequestration?.*
- 10:50** Melanie Keil*, University of Salzburg; Franz Neubauer, University of Salzburg, *Evolution of an Alpine overdeepened valley (Upper Enns Valley, Austria) - a test for application of geomorphic indices in a cyclically glaciated area.*
- 10:55** Jeffrey Harsant*, University of Toronto; Sarah Finkelstein, University of Toronto, *Intraspecific Pollen Grain Morphology Variation as a Potential Indicator of Climate and Paleoclimatic Changes: a case study with the Circum-Arctic herb Saxifraga oppositifolia.*
- 11:00** Teoman Korkmaz*, Pennsylvania State University, *Spatio-temporal Variability of Surface Melt Intensity using coupled MODIS Optical and Thermal Signatures over Vatnajökull Ice Cap from 2000-2008.*
- 2250. Retail Geography (Sponsored by Business Geography Specialty Group)**
Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Tony Hernandez, Ryerson University
 CHAIR(S): Tony Hernandez, Ryerson University
- 10:00** Christopher D. Storie, PhD*, Winthrop University, *Intra-Urban Analysis of Commercial Locations: A GIS-Based Approach.*
- 10:20** Bill Dwan*, Dublin Institute of Technology, *Defining Retail Structure: A Conceptual Framework in an Irish Context.*
- 10:40** Shuguang Wang*, Ryerson University, *How Retailers in Canada Cope with the Recession: A Survey of Retailer Strategies through a News Content Analysis.*
- 11:00** Stephen Swales*, Ryerson University, *Composition and Change in Canada's Major Urban Markets.*
- 11:20** Tony Hernandez*, Ryerson University; Brian Ceh, Ryerson University, *Measuring the Impact of Inner City Wal-Mart Stores in Metropolitan Canada.*
- 2251. Coupled Human and Natural Systems (CHANS): Indigenous/ Subsistence & Methods**
Room: Washington Room 1, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): William J. McConnell, Michigan State University; Thomas J. Baerwald, National Science Foundation
 CHAIR(S): Jianguo Liu
- 10:00** Daniel B. Kramer, Ph.D.*, Michigan State University; Gerald Urquhart, Ph.D., Michigan State University, *Spatial and temporal dimensions of socioeconomic and environmental change along Nicaragua's Caribbean Coast.*
- 10:20** Oskar Burger*, Stanford University; Jose MV Fragoso, Stanford University; Jerome Chave, Laboratoire Evolution et Diversite' Biologique, CNRS - Université Paul Sabatier, *A Modeling Family Tree: The Abundance and Distribution of Modeling Approaches in the CHANS Community.*
- 10:40** Jeffrey Luzar*, State University of New York - College of Environmental Science and Forestry; Jose Fragoso, Stanford University; Kirsten Silvius, Gordon and Betty Moore Foundation; Jane Read, Syracuse University; Luiz Flamarion De Oliveira, Museu Nacional, Brasil; Sean Giery, Florida International University; Oskar Burger, Stanford University, *Feedbacks in a Tropical Coupled Human-Natural System of the Amazon Basin.*
- 11:00** Matthew L Clark, PhD*, Sonoma State University; T. Mitchell Aide, PhD, University of Puerto Rico - Rio Piedras; Ricardo H Grau, PhD, CONICET, Instituto de Ecología Regional, Universidad Nacional de Tucumán, Argentina, *Options for mapping recent land-cover change at continental scales using satellite data products.*
- 11:20** Anne Chin*, University of Oregon; Mary R English, University of Tennessee; Carol P. Harden, University of Tennessee; Maria C. Lemos, University of Michigan; Ellen E. Wohl, Colorado State University, *Exploring social-ecological-geomorphological systems: toward integrated human-landscapes.*
- 2252. Dynamic Electoral Geographies**
Room: Washington Room 2, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Christopher McGinn, University of North Carolina at Greensboro
- 10:00** Nathaniel HadleyDike*, University of Wyoming, *Political regions and electoral strategies: an analysis of political culture through television advertisements for candidates running for the United States Senate.*

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10:20 Kenneth A Johnson, M.R.P., PH.D.*, SUNY-Oneonta, *Surprising Findings from the 2008 U.S.A. Presidential Election.*

10:40 Chad Kinsella*, University of Cincinnati; Chad J. Kinsella, MPA, University of Cincinnati, *Contextual Theory and Voting Behavior.*

11:00 Christopher McGinn*, University of North Carolina at Greensboro, *Electoral Geography of Provisional Ballots in North Carolina: An Analysis of the 2008 U.S. Presidential Election.*

2253. International Perspectives in Tourism II (Sponsored by Recreation, Tourism, and Sport Specialty Group)

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

ORGANIZER(S): Sanjay K Nepal, Texas A&M University
CHAIR(S): Sanjay K Nepal, Texas A&M University

10:00 Monika Rulle*, University of Greifswald, *Expectations of Visitors to Health Resorts - the case of Germany.*

10:20 Li An*, San Diego State University; Chia L. Tan, Zoological Society of San Diego; Stuart C. Aitken, San Diego State University; Ninghua Wang, San Diego State University; Yeqin Yang, Fanjingshan National Nature Reserve; Weiyong Zhang, Fanjingshan National Nature Reserve, *What affects local community's supportiveness of conservation? Evidence from the Fanjingshan National Nature Reserve, China.*

10:40 Kwun Ling Mak*, Teresa C.H. Tao, *Community Participation in Ecotourism: A case study of Tai O, Hong Kong.*

11:00 Thirachaya Maneenetr*, Asst.Prof.Dr.Thirachaya Maneenetr, Khon Kaen University, Thailand; Dr.Donruetai Kovathanakul, Khon Kaen University, Thailand, *From Cultural Landscape to Sustainable Tourism for Mekong Region: Case Study at Kum-Cha-E District, Mukdahan Province, Thailand..*

11:20 Sangsan Phumsathan*, Sanjay K Nepal, *Tourists' Perceptions of Environmental Impacts in Thailand's Khao Yai National Park.*

2254. Diversity and Equity in contexts of Gentrification and Redevelopment

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

ORGANIZER(S): Program Committee

CHAIR(S): James C. Fraser, Vanderbilt University

10:00 David Maloney, MSc candidate*, Concordia University, *Social diversity within emerging gentrified space in Montreal.*

10:20 Todd Sink*, Indiana State University; Brian Ceh, Ryerson University, *Housing Affordability as it Affects Low Income Households in Gentrifying Neighborhoods.*

10:40 Stefanie Gray*, Hunter College, *From Incineration to Gentrification: The Story of Bushwick, Brooklyn.*

11:00 D Richard Lycan*, Portland State University; Charles Rynerson, Portland State University, *Older Moms Deliver - Gentrification and Changing K-12 School Enrollments.*

11:20 James C. Fraser*, Vanderbilt University; Josh Bazuin, Vanderbilt University, *Urban Redevelopment and the (Re)Construction of Citizenship Through Community: an examination of HOPE VI public housing.*

2255. Geographic Perspectives on Animals and Human Culture

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hillary Angelo, New York University

10:00 Alessandro Moscuza*, *Exploring the human-wildlifeenvironment interface: a study of the wild chimpanzee population in Sierra Leone.*

10:20 Lilia Illes*, UCLA, *Implications of Land Use Change For Primate Persistence and Abundance in Fragmented Habitats.*

10:40 Suzi Wiseman*, Texas State University - San Marcos, *The Urban Zoo Soundscape.*

11:00 Carl L. Johannessen*, University of Oregon, *The Image of Elephants Diffused Early to America.*

11:20 Hillary Angelo*, New York University, *The Territoriality of Taxonomy.*

2256. Energy Futures: Geographies of Energy Transition 2 (Sponsored by Energy and Environment Specialty Group)

Room: Blue Room, Omni Shoreham (Paper Session)

ORGANIZER(S): Gavin Bridge, University of Manchester; Michael J. Bradshaw, University of Leicester

CHAIR(S): Gavin Bridge, University of Manchester

10:00 Harald Rohrer*, IFZ - Inter-University Research Centre for Technology, Work and Culture; Kirsten Ulrud, University of Oslo, Department of Sociology and Human Geography, *Reversing the spatial logic of electricity supply: Success factors for community PV systems in India and Kenya.*

10:20 Samuel Lussac*, Institute of Political Science of Bordeaux, *How Does Energy Reshape Frontiers? The Evolving Borders between the EU and the South Caucasus.*

10:40 Michael J. Bradshaw*, University of Leicester, *'Once bitten, twice shy' or 'forgive and forget'? The changing political economy of foreign investment in Russia's Oil and Gas Industry.*

Discussant(s): Gavin Bridge, University of Manchester

2257. Sustainable Communities 1

Room: Cabinet, Omni Shoreham (Paper Session)

ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University

CHAIR(S): Susannah Bunce, University of Toronto

10:00 Yehuda L Klein, Ph.D.*, CUNY - Graduate Center; Magdalena Ornstein, MPH, CUNY Graduate Center; Vatsal Bhatt, Ph.D., Brookhaven National Laboratory; Edward J Linky, J.D., Environmental Protection Agency, Region II, *Long-term Energy and Emissions Savings Potential in New York City Buildings.*

10:20 Julie Newton*, BRASS; Alex Franklin, Cardiff University, *Creating sustainable communities in China: the case of Non Jia Le in Anji, Zhejiang province.*

10:40 Lawrence Charles Kitchen*, Cardiff University; Terry Marsden, Cardiff University, *From the Bio-economy to the eco-economy? Exploring the ecological-economy as part of sustainable communities..*

11:00 Maggie Ornstein-Sloan, MA, MPH*, CUNY Graduate Center, *Family Caregiving in the Context of Sustainable Communities.*

2258. Geographies of Response II (Sponsored by Geographic Perspectives on Women Specialty Group, Indigenous Peoples Specialty Group)

Room: Calvert, Omni Shoreham (Paper Session)

ORGANIZER(S): Emilie Cameron, University of British Columbia; Jessica Place, Simon Fraser University

CHAIR(S): Cindi Katz, CUNY Graduate Center

10:00 Mitch Rose*, University of Hull, *Negative governance: obscurity, absence and vulnerability in an Egyptian village.*

10:20 Sarah de Leeuw*, University of Northern British Columbia; Jessica Place, Simon Fraser University, *Waiting for a Saint: Understanding the Annual Rose Prince Pilgrimage as a Geography of Response.*

10:40 Emilie Cameron*, University of British Columbia, *Geographies of Response/ability.*

11:00 Stephanie A Pyne, ABD*, Carleton University, *Getting Colonialism at the Roots: The Cybercartographic Atlas of the Lake Huron Treaty.*

Discussant(s): Matthew Sparke, University of Washington

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- 2259. (In)secure space: Security, dissent, and contemporary urban social struggles 2 (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group)**

Room: Capitol, Omni Shoreham (Paper Session)
 ORGANIZER(S): Nathan Lee Clough, University of Minnesota
 CHAIR(S): Nathan Lee Clough, University of Minnesota
10:00 Jeff Rose*, University of Utah, *Environmental Resistance of the Multitude in Copenhagen*.
10:20 Nathan L Clough*, University of Minnesota, *Security Culture, Movement Infiltration, and the Spatial Politics of Direct Action Protest*.
10:40 Elizabeth Mason-Deese*, *Struggles over the Production of Space: New forms of governmentality and the unemployed in the Urban Periphery of Buenos Aires*.
11:00 Fiona Jeffries*, *Articulating the Cracks in the Architecture of Urban Fear*.
11:20 Punam Khosla*, York University, *The (neo) liberal dance of everyday and authorized violence in Toronto: producing and resisting racialized and gendered divides..*

- 2260. Making Territory: Urban Space**

Room: Chairman, Omni Shoreham (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Nadia Bartolini, The Open University
10:00 Paisly Di Bianca*, *Bombing Bucktown and Beyond: Graffiti Tags in Logan Square, Chicago, IL*.
10:20 Pascale Nedelec*, University of Lyon 2 - UMR 5600, *Las Vegas, a specific sense of place*.
10:40 Serene Tan*, York University, *Making/Marketing Heritage: Chinatowns in Asia*.
11:00 David McEvoy*, Liverpool John Moores University; Giles Andrew Barrett, Liverpool John Moores University, *Culture and regeneration: Liverpool, European Capital of Culture 2008..*
11:20 Nadia Bartolini*, The Open University, *The challenge of being eternal: Rome's modernity*.

- 2261. Rethinking Nature/Economy in the City II (Sponsored by Cultural and Political Ecology Specialty Group)**

Room: Congressional A, Omni Shoreham (Paper Session)
 ORGANIZER(S): Katharine Meehan, University of Arizona; Nathaniel Gabriel, Rutgers University
 CHAIR(S): Nathaniel Gabriel, Rutgers University
10:00 Marla R. Emery*, USDA Forest Service, Northern Research Station; Patrick Hurley, Ursinus College; Rebecca J. McLain, Institute for Culture and Ecology; Bryant E. Smith, USDA Forest Service, Northern Research Station; Lindsay K Campbell, USDA Forest Service, Northern Research Station; Erika S. Svendsen, USDA Forest Service, Northern Research Station, *Consuming Nature in New York City: Urban Foraging as Economic and Ecological Practice*.
10:20 Katie Meehan*, University of Arizona, *Greywater and the Grid: Explaining Informal Water Use in the Diverse Economy*.
10:40 Laura Brody*, Ursinus College; Patrick T. Hurley*, Ursinus College, *Gathering in the neighborhood: NTFPs in the suburbs of Philadelphia, PA*.
11:00 Eric Sarmiento*, Department of Geography, Rutgers University; Kevin St. Martin, Department of Geography, Rutgers University, *Difference and domination: The search for alterity in fisheries and food networks*.
 Discussant(s): Matthew Gandy, University College London

- 2262. Issues in the Study of the Geography of the Bible (Sponsored by Bible Geography Specialty Group)**

Room: Congressional B, Omni Shoreham (Paper Session)
 ORGANIZER(S): William A. Dando, Indiana State University
 CHAIR(S): William A. Dando, Indiana State University
10:00 William A. Dando*, Indiana State University; Bharath Ganesh-Babu, Valparaiso University, *Dew and Its Religious Symbolism*.
10:20 Dorothy Drummond*, Indiana State University, Retired, *Ivory as a Trade Item in Ancient Israel*.
10:40 Lillian Larsen*, University of Redlands; Jessica Jones*, MS GIS University of Redlands, *Epistolary Exchange: Using Letters as a Tool in Exploring Ancient Landscapes*.
11:00 Bruce R. Crew*, Michigan State University, *The Bible in the Context of Historical Geo-Political Power Cores in the Middle East..*
11:20 Matthew Sleeman*, Oak Hill Theological College, *Geography and the Ascension Narrative in Acts*.

- 2263. The Economic Crisis and/in Africa (Sponsored by Africa Specialty Group)**

Room: Council, Omni Shoreham (Panel Session)
 ORGANIZER(S): Rohit Negi, University of Illinois at Urbana Champaign
 CHAIR(S): Rohit Negi, University of Illinois at Urbana Champaign
 Panelists: Godson C. Obia, Eastern Illinois University; Molly E. Brown, NASA; Kikombo Ilunga Ngoy, Kean University; Calvin O. Masilela, Indiana University of Pennsylvania

- 2264. Contemporary geographic research on (im)migration 2: Migrants, transnationalism, and development (Sponsored by Economic Geography Specialty Group, Political Geography Specialty Group)**

Room: Diplomat, Omni Shoreham (Paper Session)
 ORGANIZER(S): Patricia Ehrkamp, University of Kentucky; Helga Leitner, University of Minnesota - Minneapolis
 CHAIR(S): Michael Eric Samers, University of Kentucky
10:00 Jonathan M Burkham*, University of Wisconsin - Milwaukee, *Migrants as Heroes/ Villains: Development discourse and remittance investment strategies in the transnational community of Atotonilco El Bajo, Mexico and Milwaukee, USA*.
10:20 Lucy Jackson, Miss*, Aberystwyth University, *Enfolding and Expelling Migrant Bodies: Notes from Singapore..*
10:40 Katharine Jones*, *Trading Labour: the role of recruitment organisations in facilitating the mobility of temporary labour migrants into the UK*.
11:00 Philip Kelly*, York University, *Migration, Class and Identity in a Philippine Village*.

- 2265. Hurricanes II: Historical Records/Vulnerability (Sponsored by Hazards Specialty Group, Coastal and Marine Specialty Group)**

Room: Director's, Omni Shoreham (Paper Session)
 ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
 CHAIR(S): Harry Williams, University of North Texas
10:00 Cary J. Mock*, University of South Carolina; Christopher W. Landsea, National Hurricane Center, *Using Historical Records to Reconstruct Hurricane Chronologies*.
10:20 Michael Grossman*, Department of Geography SIUE; Masumi Zaiki, Faculty of Economics, Seikei University, Japan, *Typhoons affecting Japan from 1860 to 1879*.

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10:40 Luis M. Farfan*, CICESE, Unidad La Paz; Rosario Romero-Centeno, Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México; Graciela B. Raga, Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México, *Characteristics of landfalling tropical cyclones in the eastern North Pacific basin.*

11:00 Tim G Frazier, Dr.*, The University of Idaho; Nathan J Wood, Dr., The United States Geological Survey; Brent Yarnal, Dr., The Pennsylvania State University, *Influence of sea level rise on societal vulnerability to hurricane storm-surge hazards: Sarasota County, Florida.*

11:20 Robert M. Schwartz*, The University of Akron, *Emergency Management Issues Following Hurricane Ike.*

2266. The Experiences of Immigrants and Refugees in Urban Areas in Canada and the US (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University
CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan

10:00 Wan Yu*, Arizona State University, *Spatial Transformation among Chinese Ethnourbs - A way to achieve Chinese Immigrants' American Dream.*

10:20 Anna Joo Kim*, UCLA, *Blended Labor Market Geographies: Immigrants in a Multi-Ethnic Enclave in Los Angeles.*

10:40 Qingfang Wang*, University of North Carolina at Charlotte, *A Comparative Study of Immigrant Ethnic Minority Entrepreneurship in the US Metropolitan areas.*

11:00 Wei Li*, Arizona State University, *Bank Branch Networks and Service to Immigrants.*

11:20 Lucia Lo, Professor*, York University, *New Geographies of Highly-skilled Chinese and Indian Migrations?.*

2268. Examining Globalization, Neoliberalism, and other forces of Development in South Asia (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)

Room: Forum, Omni Shoreham (Paper Session)

ORGANIZER(S): Vandana Wadhwa, Boston University
CHAIR(S): Debnath Mookherjee, Western Washington University

10:00 Suparna Das*, University of Utah, *Analyzing the causes of resilience and spatial distribution of urban informal manufacturing sector in India.*

10:20 Nagaraj Kapil Kanala*, Department of Geography, The Ohio State University, *Modeling complexity of urban landscapes, a case study of National Capital Region (Delhi), India.*

10:40 Satish Kumar, Dr.*, Queen's University, Belfast, *India's urban poverty- Devil in the detail.*

11:00 Vandana Wadhwa*, Boston University, *Disability and Civil Rights: 'Progress' and 'Regress' in India in a Globalizing World.*

2269. Right to the City: Washington, DC

Room: Governor's, Omni Shoreham (Panel Session)

ORGANIZER(S): Kate Driscoll Derickson; Amanda Huron, Graduate Center, CUNY
CHAIR(S): Tony Samara, George Mason University
Discussant(s): Nicholas Blomley, Simon Fraser University
Panelists: John Liss, Tenants and Workers United; Pedro Cruz, DC Jobs with Justice; Johonna McCants, Visions to Peace and Justice for DC Youth; Parisa Norouzi, Empower DC; Kathryn Wells, Syracuse University; Peter Hossler, University of Georgia

2270. Regions in the Global Knowledge Economy II - Learning, Spillovers, and Agglomerations (Sponsored by Economic Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Hampton, Omni Shoreham (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University of Toronto; Elizabeth Mack, Indiana University

CHAIR(S): Gregory M. Spencer, University of Toronto

10:00 Jeremy Howells, Professor*, University of Manchester, *The Geography of Knowledge: Implications for Innovation and Economic Development.*

10:20 Peter Maskell*, CBS, *Distributed knowledge - and approaches chosen to overcome the friction of space.*

10:40 David L. Rigby*, UCLA; Mark Brown, Statistics Canada, *Agglomeration economies: where do they come from and to whom do they flow?.*

11:00 Dieter Franz Kogler*, University of Toronto, *Sectoral Regional Knowledge Spillover Trajectories - The Case of the Canadian Pharmaceutical and IT Industry Sectors, 1983-2007.*

Discussant(s): Ron Boschma, Utrecht University

2271. Environmental Security and Planning in Africa

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Boyowa Anthony Chokor

10:00 Leo Charles Zulu*, Michigan State University, *Poor-country Responses to Climate Change in a Post-modern Liberal World: the Case of Malawi.*

10:20 Aondover A Tarhule, Dr.*, University of Oklahoma, *Did We Really Make a Difference: Lessons from a 10-year post Project Review of a Community Water Development Project in Northeastern Nigeria.*

10:40 Boyowa A Chokor*, University of Richmond; Kingsley Isioma Nwagbogu, University of Benin, *Planning and Management Implications of the Pattern of Perception and Response to Environmental Hazards in a Small Nigerian City.*

2272. Geographies of Web Information. Search Engines, Maps, and a World of Change (2) (Sponsored by Cyberinfrastructure Specialty Group, Economic Geography Specialty Group, Communication Geography Specialty Group)

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Lomme Devriendt, University of Ghent; Andrew Boulton, University of Kentucky

CHAIR(S): Stanley D. Brunn, University of Kentucky

Introducer: Frank Witlox

10:10 Emmanouil Tranos*, CURDS, Newcastle University; Lomme Devriendt, Ghent University; Andrew Boulton, University of Kentucky, Lexington, *The urban geography of web information and bandwidth capacity: new geographies to map the accessibility of cities in the information age.*

10:30 Mark I. Wilson*, Michigan State University; Kenneth E Corey, Michigan State University, *Island in the Data Stream: Singapore's ICT Policies in the Context of a Knowledge Economy.*

10:50 Aharon Kellerman*, University of Haifa, *Mobility or mobilities? Terrestrial, virtual and aerial modes.*

11:10 Colin Arrowsmith*, RMIT University; Sabereh Dejbakhsh, RMIT University; Mervyn Jackson, RMIT University, *Determining the Needs of International Tourists: A Spatial Approach.*

Discussant(s): Mark I. Wilson, Michigan State University

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2273. Water Variations and Balance

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Brian Pompeii, Arizona State University

10:00 Christopher A Williams*, Clark University; Markus Reichstein, MPI-Biogeochemistry-Jena, Germany; Nina Buchmann, ETH Zurich; Dennis Baldocchi, UC Berkeley; Dario Papale, Tuscia University; Christian Beer, MPI-Biogeochemistry, Jena, Germany, *Climate and Vegetation Controls on the Surface Water Balance: Reappraisals with Flux Tower Data.*

10:20 Xuehua Gao*, Student in CUHK, *Estimated Actual Evapotranspiration in the Pearl River Basin: Spatio-Temporal Variations and Climatic Sensitivities.*

10:40 Mohamed Babiker Ibrahim, PhD*, Hunter College-CUNY, *Rainwater Harvesting and Increase of Adaptive Capacity of Resources Users in Drought-stricken Area of the Sudan.*

11:00 Brian J. Pompeii*, Arizona State University; Elizabeth Wentz, Arizona State University, *Seasonal Variation in the Determinants of Residential Water Consumption for the City of Yuma, Arizona.*

2274. Environment Change in North America

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stacy Rosenberg, SUNY Potsdam

10:00 Lauren Tucker*, Towson University, *Nutria in the Bay: How the Chesapeake Bay became a "Forbidden Place"?*

10:20 Daniel Francis Silver*, Rowan University, *Impervious Surfaces and the Depletion of Natural Landscapes in New Jersey.*

10:40 Christopher S. R. Neigh, Dr.*, NASA GSFC (SSAI); Jennifer J Williams, NASA GSFC (SSAI); Doug Bolton, Boston University (SSAI); Mouhamad Diabate, University of Maryland (SSAI); Compton Tucker, Dr., NASA GSFC, *Multi-resolution long-term satellite observations of declines in photosynthetic capacity: constraining abiotic and biophysical disturbances to plant productivity in North America.*

11:00 Dianna M Hogan, PhD*, United States Geological Survey, Eastern Geographic Science Center; William Labiosa, PhD, United States Geological Survey, Western Geographic Science Center; Leonard Pearlstone, PhD, Everglades National Park; David Strong, United States Geological Survey, Eastern Geographic Science Center; Richard Bernknopf, PhD, United States Geological Survey, Western Geographic Science Center; Paul Hearn, PhD, United States Geological Survey, Eastern Geographic Science Center, *Estimating the Cumulative Ecological Effect of Local Scale Landscape Changes in South Florida.*

11:20 Stacy Rosenberg, Ph.D.*, SUNY Potsdam, *Exploring the Views of Adirondack Residents: Divergent Perceptions of the Adirondack Park and its Future.*

2276. Urban Geography

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jamie Stuckless, McMaster University

10:00 Luis Del Romero Renau*, Department of Geography, Université de Québec à Montréal; Catherine Trudelle, Department of Geography, Université de Québec à Montréal, *Urban change and socioterritorial conflicts: a comparison between Montréal (Canada) and Valencia (Spain).*

10:20 Eduarda Silva Marques da Costa*, Michael Rodrigues; Jorge Rocha; Patricia Abrantes, *Urban form and sustainability - methodological development for Portuguese cities.*

10:40 Jamie Stuckless*, McMaster University; Nikolaos Yiannakoulis, McMaster University, *A Study of Cyclist Characteristics in Hamilton, Ontario.*

2278. Critical Perspectives on Mobilities

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Werner Udo Schade, Padagogische Hochschule

10:00 Margarida Queiros*, University of Lisbon; Nuno Marques Costa, University of Lisbon, *Building Knowledge on Gender Dimensions of Transportation.*

10:20 Zhan Guo*, NYU, *Mind the Map? Transit Map, Cognitive Map, and Travel Decisions in Public Transit Systems.*

10:40 Damon Scott*, Miami University, *Tomorrow's Buses, Today: Masculinity, Movement and the Modern Age.*

11:00 Werner Udo Schade*, Padagogische Hochschule, *Gender Issues: Location Memory and Wayfinding in the Supermarket.*

2279. Queer Identities, Spaces, and Places

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yvette Taylor

10:00 Christopher Schroeder*, University of Wisconsin-Milwaukee, *Interdependence in a deindustrializing city: urban nightscapes in Toledo, Ohio.*

10:20 Alison Rood*, University of North Dakota, *Place, Politics, and Gay and Lesbian Life in North Dakota.*

10:40 Christopher J Stapel*, University of Kentucky; Derek Ruez, University of Kentucky, *Does it Play in Peoria? Gay Pride Festivities in a Small City.*

11:00 Yvette Taylor, PhD*, Newcastle University, *Lesbian and gay parenting: intersecting spatialities of class and sexuality.*

THURSDAY, APRIL 15 • 11:50 AM - 12:30 PM • 2300**2350. Geography and Real Estate: Intersections and Trends**

Room: *Lincoln Room 6, Marriott, Exhibition Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lisa Harrington, Kansas State University

Introducer: Lisa Harrington, Kansas State University

11:50 Grant Ian Thrall*, *Geography and Real Estate: Intersections and Trends.*

AAG Specialty and Affinity Group Chairs Meeting

Room: *Coolidge, Marriott, Mezzanine Level*

2354. Got Geoint? Demystifying our World with Geospatial Intelligence

Room: *Washington Room 4, Marriott, Exhibition Level* (Panel Session)

ORGANIZER(S): Max Baber, US Geospatial Intelligence Foundation

CHAIR(S): Max Baber, US Geospatial Intelligence Foundation

Introducer: Laurel J. Hummel, US Military Academy at West Point

THURSDAY, APRIL 15 • 12:40 PM - 2:20 PM • 2400**2402. From conflict to cooperation III: Spaces of engagement, resource governance and the extractive industries (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**

Room: *Delaware Suite A, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): James Van Alstine, University of Leeds

CHAIR(S): Rani Parker

12:40 James Van Alstine*, University of Leeds; Rani Parker, Business-Community Synergies, *Curse or asset? Comparing 'new' oil governance in Ghana and Uganda.*

1:00 Niels Fold*, University of Copenhagen, *Salting or Solving Conflicts? Mediation and Competing Salt Winning Practices in the Songhor Lagoon, Ghana.*

1:20 David Middlemiss*, University of Exeter, U.K., *¿Socios, dueños o tíos? Post-neoliberal extraction and the lithium reserves of Bolivia.*

1:40 Leonith Hinojosa-Valencia, Dr*, University of Manchester UK; Juan Pablo Chumacero, Fundacion Tierra; Cortez Guido, CER-DET; Denise Humphreys Bebbington, University of Manchester, *Territorial dynamics and formation of territories in contexts of extractive industries expansion: a case study on hydrocarbons in Bolivia.*

Discussant(s): Anthony J Bebbington, University of Manchester

2403. Political Geography Specialty Group Plenary Lecture - co-sponsored by Elsevier Science (Sponsored by Political Geography Specialty Group)

Room: *Delaware Suite B, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): John V. O'Loughlin, University of Colorado

CHAIR(S): John V. O'Loughlin, University of Colorado

Introducer: John V. O'Loughlin

12:50 Vladimir Kolossov*, Russian Academy of Sciences, *The world through Russian eyes: Changing geopolitical perceptions in the post-Soviet years..*

Discussant(s): Marlene Laruelle, Johns Hopkins University; Matthew Allen Derrick, Department of Geography, University of Oregon

2404. Coupled human-environment interactions in dryland regions: Student Session (Sponsored by Graduate Student Affinity Group, Human Dimensions of Global Change Specialty Group)

Room: *Embassy, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Cerian Gibbes, University of Florida; Andrea Gaughan

CHAIR(S): Cerian Gibbes, University of Florida

12:40 Gregory D Parent, PhD Student*, University of Florida, *Risk, resources, and market access in southern African rural livelihood systems*

1:00 Luke Victor Rostant*, University of Florida, *Integrating community based monitoring of human animal conflict and geographical information systems in Caprivi, Namibia.*

1:20 Andrea Gaughan*, University of Florida; Forrest R. Stevens, University of Florida; Cerian Gibbes, University of Florida, *Linking climate to landscape: Investigating the response of vegetation to precipitation variability in a semi-arid catchment area of southern Africa.*

1:40 Kerry Byrne*, Colorado State University; William K Lauenroth, University of Wyoming, *Climate Change in North American Grasslands: Coupled Ecosystem and Human Consequences.*

2:00 Patricia Mupeta*, University of Florida, *Democratizing wildlife management, a comparative study between Botswana and Zambia..*

2405. Global Dialogues for Emerging Science & Technology Africa: Results of two years of collaboration between US Department of State, AAG, and EIS-AFRICA

Room: *Ethan Allen, Marriott, Lobby Level* (Panel Session)

ORGANIZER(S): Candida Mannozi, Association of American Geographers

CHAIR(S): Lee R. Schwartz, U.S. Department of State

Introducer: Lee R. Schwartz

Discussant(s): Robert Swap, University of Virginia

Panelists: Nathan Heard, U.S. Department of State; Carmelle J. Terborgh, ESRI; Charles Sebukeera, United Nations Environmental Programme (UNEP); Rebecca Moore, Google Earth Outreach; Carrie Stokes, USAID

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2406. Aesthetics and Geography

Room: Marriott Ballroom Salon 1, Marriott, Lobby

Level (Panel Session)

ORGANIZER(S): Harriet Hawkins; Elizabeth Straughan, Aberystwyth University

CHAIR(S): Deborah Dixon

Panelists: Gail Davies, University College London; Alexander P. Vasudevan, University of Nottingham; Mark Paterson, University of Exeter; Jessica Dubow, University of Sheffield, U.K.

2407. The diversity of neoliberal urbanization I

Room: Marriott Ballroom Salon 3, Marriott, Lobby

Level (Paper Session)

ORGANIZER(S): Stijn Oosterlynck, KU Leuven; Maarten Loopmans

CHAIR(S): Stijn Oosterlynck, KU Leuven

12:40 John Harrison*, Loughborough University, *Neither here nor there: exploring the evolution of city-regionalism in England.*

1:00 Delphine Ancien*, National University of Ireland Maynooth, *Globalization, neoliberalization and the (re-)production of global cities: with a little help from the state - Insights from London and Paris.*

1:20 Ugo Rossi*, University of Cagliari, *Getting connected to the commodity chain: Port competitiveness strategies in the Western Mediterranean.*

1:40 Tuna Tasan-Kok, Dr.*, Delft University of Technology, *Survival strategies of property market actors and implications for urban policy in the aftermath of the credit crunch.*

2:00 Hien Phuong Nguyen*, Mount Holyoke College, *The Urbanization of Hanoi under Neoliberalism and Its Effects on Slum Settlements.*

2409. Dendrochronology III: Dendrochronological Applications (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): James H. Speer, Indiana State University; Christopher M. Gentry, Austin Peay State University

CHAIR(S): Linah N Ababneh

12:40 James H. Speer*, Indiana State University; Karla Hansen-Speer, PhD, Indiana State University; Lynn Harrell, Bureau of Land Management, Kemmerer Field Office, *Dating the Bridger Antelope Trap with Tree Rings.*

1:00 Linah N Ababneh, Assistant Professor*, Geography Department, Northern Michigan University, *The Effects of Seasonal Temperature and Precipitation on Tree-Ring Widths of Upper Elevation Strip-Bark and Whole-Bark Trees in the White Mountains, California.*

1:20 Alison Macalady*, School of Geography and Development, University of Arizona; Harald Bugmann, Forest Ecology Group, ETH Zürich, *Growth-Mortality Relationships of Piñon Pine (*Pinus edulis*) in Space and Time.*

1:40 Vladimir Matkovsky*, Institute of Geography, Russian Academy of Sciences; Olga Solomina, Institute of Geography, Russian Academy of Sciences; Ekaterina Dolgova, Institute of Geography, Russian Academy of Sciences, *DIRECT: A New Approach to Dendroclimatic Reconstructions.*

2:00 Anouk Verheyden, Ph.D.*, Suny Orange; Ilse Boeren, Royal Museum for Central Africa; Hans Beeckman, Ph.D., Royal Museum for Central Africa, *Annual rings in *Wenge* (*Millettia laurentii*) determined by ring width and stable and radioactive carbon isotopes: potential for tropical dendrochronology.*

2410. Environmental Change and Water Resources on Tropical Mountains (Sponsored by Water Resources Specialty Group, Biogeography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Alexandra Gisele Ponette-González, University of Texas at Austin

CHAIR(S): Alexandra Gisele Ponette-González, University of Texas at Austin

12:40 Alexandra G. Ponette-González, Ph.D.*, University of Texas at Austin; Kathleen C. Weathers, Ph.D., Cary Institute of Ecosystem Studies; Lisa M. Curran, Ph.D., Stanford University, *Nutrient and Pollutant Redistribution after Land-Cover Change: Evidence from Eastern Mexico.*

1:00 Carol P. Harden*, University of Tennessee; Kathleen Farley, San Diego State University; James Hartsig, University of Tennessee; Gregory Metcalf, Heritage Middle School; Jaehoon Lee, University of Tennessee; Leah Bremer, San Diego State University and UC Santa Barbara, *Paramos, Pines, and Polylepis: Effects of Vegetation Change on Soil Moisture in the Tropical Andes.*

1:20 Kate A Brauman*, Stanford University, Emmett Interdisciplinary Program in Environment and Resources; Gretchen C Daily, PhD, Stanford University, Department of Biology and Woods Institute for the Environment; David L Freyberg, PhD, Stanford University, Department of Civil and Environmental Engineering, *Montane Land Cover Effects on Water Supply in Coastal Hawai'i.*

1:40 Daniel Ruiz*, Escuela de Ingenieria de Antioquia, Colombia; International Research Institute for Climate and Society-Columbia University in the City of New York, US; Maria del Pilar Arroyave, Escuela de Ingenieria de Antioquia, Colombia; Maria Elena Gutierrez, Escuela de Ingenieria de Antioquia, Colombia; Paula Andrea Zapata, Escuela de Ingenieria de Antioquia, Colombia, *Increased Climatic Stress on High Altitude Ecosystems of the Colombian Central Mountain Range.*

2:00 Kenneth R. Young*, University of Texas at Austin, *Landscape management for hydrological connectivity.*

2411. Research Ethics for Latin Americanist Geographers: Problems and Perspectives (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Latin America Specialty Group)

Room: Nathan Hale, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Margaret Wilder, University of Arizona; Eric P Perramond, Colorado College

CHAIR(S): Margaret Wilder, University of Arizona

Panelists: Miguel Aguilar-Robledo, Universidad Autonoma De San Luis Potosi; Peter H. Herlihy, University of Kansas; Kendra McSweeney, The Ohio State University; Alexander B. Murphy, University of Oregon; Tad Mutersbaugh, University of Kentucky; Marie D. Price, George Washington University

2412. Student Perspectives on the Short-Term Study Abroad Experience

Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Dawn S. Bowen, University of Mary Washington

CHAIR(S): Dawn S. Bowen, University of Mary Washington

12:40 Dawn S. Bowen, Ph.D.*, University of Mary Washington, *Short-Term Study Abroad Programs: Field-Based Learning Experiences.*

1:00 Lauren M. Birney*, University of Mary Washington, *Exploring Maya Food Security in Highland Guatemala.*

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1:20 Amber L. Huffman*, University of Mary Washington, *Maya Women in Development: Experiences in Guatemala*.

1:40 Allyson L. Thompson*, University of Mary Washington, *The Appeal of Short-Term Study Abroad Programs*.

Discussant(s): Erin H. Fouberg, Northern State University

2413. 'There Goes The (Neighbour)'Hood': Universities, Local Communities and Urban Change (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Darren Paul Smith, University of Brighton; Eliot Tretter, University of Texas - Austin

CHAIR(S): Darren Paul Smith, University of Brighton

Introducer: Eliot Tretter

1:00 Darren Paul Smith*, University of Brighton, *Regulating and managing studentification in the UK*.

1:20 Phil Hubbard*, Loughborough University, *Regeneration through studentification: creating sustainable urban futures or student monocultures?*.

1:40 Winifred S Curran, PhD*, DePaul University; Euan Hague*, DePaul University, *A Special brand of Sausage*.

2:00 Joanna Louise Sage*, University of Brighton, *The micro-geographies of studentification*.

2414. Biophysical influences on environmental health problems and infectious diseases I (Sponsored by Health and Medical Geography Specialty Group, Climate Specialty Group)

Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Christopher K. Uejio; James Tamerius, University of Arizona

CHAIR(S): Christopher K. Uejio

12:40 Paul Robbins, University of Arizona - School of Geography and Regional Development; Jacob Miller*, University of Arizona - School of Geography and Regional Development, *The Mosquito State: how technology, capital and spatial knowledge mediate the ecologies of public health*.

1:00 Melinda K Butterworth*, University of Arizona; Cory Morin, University of Arizona; Andrew C Comrie, PhD, University of Arizona, *Linking Climate, Vectors, and Disease: A User-Oriented Approach to Modeling Mosquito Populations*.

1:20 John DeGroote*, University of Northern Iowa; Ramanathan Sugumaran, University of Northern Iowa; Scott Larson, University of Northern Iowa, *Investigation of regional clusters of low and high WNV incidence in relation to landscape, demographic, and climatic patterns*.

1:40 Marilyn O. Ruiz*, U of Illinois College of Veterinary Medicine; William M. Brown, College of Veterinary Medicine; Dana Johnson, University of Illinois; Gabriel L. Hamer, University of Wisconsin, *Ecosystems and health in urban areas - an examination of mosquitoes and West Nile virus*.

2415. Crime Modeling and Mapping (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Michael Leitner, Louisiana State University

CHAIR(S): Christopher Herrmann, CUNY John Jay College of Criminal Justice

12:40 Aaron Gilbreath*, University of Kansas, *A Spatial Analysis of Methamphetamine Lab Seizure Data for Jefferson County, Missouri*.

1:00 Elizabeth Groff*, Temple University-Department of Criminal Justice, *Quantifying Near: The Case for a Place-focused Measure of Exposure to Facilities*.

1:20 Joel M. Caplan, Ph.D.*, Rutgers University, *Risk terrain modeling: Brokering theory and GIS methods for strategic decision making and tactical action*.

1:40 Christopher Herrmann, BS, MA, ABD*, CUNY John Jay College of Criminal Justice, *Risky Businesses: A micro-level spatiotemporal analysis of crime, place, and business establishments*.

Discussant(s): Lisa Keys-Mathews, University of North Alabama

2416. Insider/Outsider Issues and Experiences in the Geography of Religion (Sponsored by Geography of Religions and Belief Systems Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Daniel H. Olsen, Brandon University

CHAIR(S): Daniel H. Olsen, Brandon University

Panelists: Daniel H. Olsen, Brandon University; Justin Tse, University of British Columbia, Department of Geography; Caroline Faria, Dartmouth College; Michael Philip Ferber, The King's University College

2417. Demography and Aging (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Irene Hardill, Nottingham Trent University; Susan Lucas, Temple University

CHAIR(S): Susan Lucas, Temple University

Introducer: Susan Lucas

Panelists: Irene Hardill, Nottingham Trent University; David A. Plane, University of Arizona; Anne Green, IER, University of Warwick

2419. In These Tough Economic Times (ITTET): Analyzing Recession Geography I (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Rachel S Franklin, University of Maryland, College Park

CHAIR(S): Rachel S Franklin, University of Maryland, College Park

12:40 William Clark*, University of California - Los Angeles, *Demographic Structures and Housing Market Outcomes: Interpreting the Housing Bubble*.

12:56 Suzanne Davies Withers*, University of Washington, *Hitting home: Residential insecurity and population immobility*.

1:12 John Carruthers*, Department of Housing and Urban Development; Gordon F. Mulligan, University of Arizona; Alastair W. McFarlane, Department of Housing and Urban Development, *In Defense of Place-based Policy: The Case of NSP2*.

1:28 Kristin Perkins*, New York City Department of Housing Preservation and Development; Michael Lear, New York City Department of Housing Preservation and Development; Elyzabeth Gaumer, New York City Department of Housing Preservation and Development, *Self-cure versus auction: the foreclosure landscape in New York City*.

1:44 Alan T. Murray*, Arizona State University; Yin Liu, Arizona State University; Julia Koschinsky, Arizona State University; Lawrence A Brown, Ohio State University, *Spatial Contagion Effects in Socio-Economic Collapse: Foreclosure in Columbus Ohio 2003-2007*.

2:00 Michael D. Webb*, The Ohio State University; Lawrence A. Brown, The Ohio State University, *Subprime Lending, the Housing Bubble, and Foreclosures in Lima, Ohio*.

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2420. Geographies of Media VII: Media Representations (Sponsored by Cultural Geography Specialty Group, Communication Geography Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): James Craine, California State University Northridge; Giorgio Hadi Curti, San Diego State University

CHAIR(S): Karen Culcasi, Syracuse University

12:40 Virginie Mamadouh*, University of Amsterdam, The Netherlands, *The view from nowhere? Euronews and the "international news from a European perspective"*.

1:00 Blake Lyle Mayberry*, University of Kansas, *He is a good horse and we love him: Media and Landscape in the Indian Removal Period*.

1:20 Barbara L. MacLennan*, West Virginia University; Sue Bergeron, West Virginia University; Frank L. LaFone, West Virginia University, *Geography, Geovisualization, and the New "New Journalism"*.

1:40 Jon Sakamoto, MPA*, CSU Northridge, Department of Geography, *Transforming Visual Narratives of Decentralized Enemy Forces: The Evolution of Fictional Conflicts and the Portrayal of Unlawful Combatants and Terrorist Groups*.

2:00 Karen Culcasi*, West Virginia University, *The Face of Danger: Beards in the U.S. Media's Representations of Arabs, Muslims, and Middle Easterners*.

2421. Geovisualization, Geovisual Analytics, Cognition, Behavior and Representation III: Geovisualization and Geovisual Analytics (Sponsored by Geographic Information Science and Systems Specialty Group, Cartography Specialty Group, Geography Education Specialty Group)

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

ORGANIZER(S): Kirk Goldsberry, Michigan State University; Amy Griffin, University of New South Wales-ADFA

CHAIR(S): Kirk Goldsberry, Michigan State University

12:40 Amy L. Griffin*, University of New South Wales-ADFA; Anthony C. Robinson, Penn State University, *Eyes on the Prize: Evaluating Highlighting Methods to Support Visual Search*.

1:00 Jin Chen*, The Pennsylvania State University, *Visual Inquiry Toolkit - A Geovisual Analytics Tool for the Detection of Disease Clusters*.

1:20 Alan M. MacEachren*, Pennsylvania State University, *Geovisual Analytics: Supporting visual reasoning with complex information*.

1:40 Martin Swobodzinski*, San Diego State University, *Individual Usage of Analytical and Deliberative Tools in the Context of Online Public-Participation Transportation Planning*.

2:00 Jochen Wendel*, University of Colorado at Boulder; Barbara P. Battenfield, University of Colorado at Boulder, *Guidelines for Building Self-Organizing Maps*.

2422. Space and Everyday Environments

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Helen Couclelis, University of California; Janice Monk, University of Arizona

CHAIR(S): Janice Monk, University of Arizona

12:40 1. Douglas and 2. Molly M. 1. Amedeo 2. Cannon, Professor and Doctoral Student*, University of Nebraska, *Why Space Matters in Everyday Environments*.

1:00 Christopher D. Murr*, Texas State University; R. Denise Blanchard-Boehm*, Texas State University; Richard G. Boehm, Texas State University, *Perceptions of the Visually Impaired Toward Learning Geography*.

1:20 Matthew Bampton*, University of Southern Maine; Joe Szakas, University of Maine, Augusta, *A preliminary concept map of GIS misconceptions*.

1:40 Sarah Battersby, University of South Carolina

2426. Geography, Law, and Environmental Policy

Room: Jackson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Carl J. Bauer, University of Arizona

CHAIR(S): Carl J. Bauer, University of Arizona

12:40 J.B. Ruhl, J.D., LL.M., Ph.D.*, Florida State University College of Law, *Federal Public Lands and Ecosystem Services, An Intersection of Law and Geography in an Emerging Policy Realm*.

12:59 Dustin E. Garrick, MPA*, University of Arizona, *The Logic and Limits of Water Rights Reform in Emerging Markets for Environmental Flows*.

1:18 Hari Osofsky*, Washington & Lee University School of Law, *Diagonal Federalism and Climate Change: Implications for the Obama Administration*.

1:37 Manuel Jose Prieto*, University of Arizona; Carl J. Bauer, University of Arizona, *Hydroelectric power generation in Chile: An institutional critique of the neutrality of market mechanisms*.

1:56 John C. Cole, D.Phil.*, University of Oxford, *The Clean Development Mechanism (CDM) and the Legal Geographies of Climate Policy in Brazil*.

Discussant(s): Carl J. Bauer, University of Arizona

2427. China's Rise: Dynamics, Challenges, and Opportunities (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, China Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): George Lin, University of Hong Kong

CHAIR(S): Cindy Fan, UCLA

12:40 Canfei He*, Peking University, *Industrial Attributes, Provincial Characteristics and Industrial Agglomeration in China*.

1:00 Michael Webber*, The University of Melbourne, *The Political Economy of the Three Gorges Project: Transforming the Upper Changjiang valley*.

1:20 Roger C.K. Chan*, The University of Hong Kong, *The Rise of the Hong Kong-Pearl River Delta Bay Area*.

1:40 George C.S. Lin*, University of Hong Kong, *Urban China in Transformation: Globalizing economy, stratifying society, and restless space*.

2428. Current Issues in Tourism Geography (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Wesley S. Roehl, Temple University

CHAIR(S): Wesley S. Roehl, Temple University

12:40 Omer A. Omer*, University of North Carolina-Greensboro; Keith G. Debbage, Ph.D., University of North Carolina, *The Economic Geography of The Tourist Industry by U.S. Metropolitan Area: Can Tourism Leverage The Creative Class?*.

1:00 Kristina Zampoukos*, Mid-Sweden University, *The tourism workers: What do we know about them?*.

1:20 Dimitri Ioannides*, Missouri State University, *Spatial Aspects of Tourism Labor in Sweden*.

1:40 David Bruce Weaver, PhD*, Griffith University, Australia, *Tourism Heritage as Heritage Tourism: Evidence from Las Vegas and Gold Coast*.

2:00 Wesley S. Roehl*, Temple University, *The Geography of US State Tourism Promotion Funding, 1972-2009*.

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2429. Climate Adaptation, Landscapes, and Institutions (CALI) I (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan

CHAIR(S): Robin Mearns, World Bank

12:40 Camille Washington-Ottombre*, Purdue University; Bryan C. Pijanowski, Purdue University, *Local Rural Institutions and Household's Adaptation to Climate Change and Variability*.

12:55 Karl S. Zimmerer*, Pennsylvania State University, *Water Availability and Agriculture, Food, and Migration in Livelihoods: Resilience and limits in the irrigation landscape in conjunction with climate change*.

1:10 Pamela D. McElwee*, Arizona State University, *Climate Adaptation among Households and Institutions in the Vulnerable Landscapes of the Red River Delta, Vietnam*.

1:25 Christopher M Annear*, Boston University, *Resilience and Heterogeneity in a Variable Inland Fishery, Mweru-Luapula Fishery, South-Central Africa*.

Discussant(s): Derick Fay, UC Riverside

2430. Climate Specialty Group Student Paper Competition (Sponsored by Climate Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Steven Quiring, Texas A&M University

CHAIR(S): Steven Quiring, Texas A&M University

12:40 CHARLES H PAXTON*, Student; Jennifer M Collins, University of South Florida, *Modeling Tornado Development in Southwest Florida*.

1:00 Kevin D Ash*, University of Florida, *A Cluster Analysis of South Indian Ocean Tropical Cyclone Trajectories: Clarifying the El Nino-Southern Oscillation Association*.

1:20 Oluseun S Idowu*, University of Missouri-Kansas City; Jimmy Adegoke, University of Missouri-Kansas City; Hannes C.J.deW Rautenbach, University of Pretoria, South Africa, *Verification of numerical weather predictions over western Sahel Africa*.

1:40 Nyssa Perryman*, Mississippi State University; Grady Dixon, Mississippi State University, *Understanding the Urban Heat Island Effect of Minneapolis-St. Paul: a radar analysis of snowfall modification*.

2431. Geography of Genocide: a Film Screening and Panel Discussion (Sponsored by Ethics, Justice, and Human Rights Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Christian Patrick Heidkamp, Southern Connecticut State University

CHAIR(S): Christian Patrick Heidkamp, Southern Connecticut State University

Introducer: Christian Patrick Heidkamp

Panelists: Amy Ross, University of Georgia, Athens; Eric West, Southern Connecticut State University; Carl Thor Dahlman, Miami University; Marc Masurovsky, US Holocaust Memorial Museum; David E. Pettigrew, Southern Connecticut State University

2432. Roles and Implications of Reliance on Private Vehicles

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John W. Neff, American Public Transportation Association

12:40 Jinhua Zhao, PhD*, MIT, *Vanity or Utility? Heterogeneity in the Influence of Car Pride on Car Ownership*.

1:00 Brenton G. Smith, M.A. *, CSU Northridge, *Where to live without a car: A study using United States Census data to find a place to live without a car.*

1:20 Ivan Cheung*, Insurance Institute for Highway Safety, *Geographic Dimensions of Older Driver Fatal Crash Involvements in the United States*.

1:40 John W. Neff*, American Public Transportation Association, *Roadway Vehicle Travel Reduction Associated with Public Transportation Usage*.

2434. Monitoring Agriculture: A Remote Sensing Perspective (Sponsored by Rural Geography Specialty Group, Remote Sensing Specialty Group)

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jessica McCarty, University of Louisville; Rick Mueller, USDA/National Agricultural Statistics Service

CHAIR(S): Jessica McCarty, University of Louisville

12:40 Matthew C Hansen, South Dakota State University; Kyle W Pittman*, South Dakota State University; Inbal Becker-Reshef, University of Maryland; Peter Potapov, South Dakota State University, *Mapping Global Croplands at 250-meters Using Multi-Year MODIS Data*.

1:00 Rick Mueller*, USDA/National Agricultural Statistics Service, *Remote Sensing Area Estimate Evolution: Moving the Cropland Data Layer Program to Operational*.

1:20 Matthew C Hansen*, South Dakota State University; Kyle Pittman, South Dakota State University, *Annual corn and soybean cultivated area estimation for the United States using MODIS data*.

1:40 Inbal Becker-Reshef*, University of Maryland College Park; Eric Vermote, University of Maryland; Chris Justice, University of Maryland, *Forecasting wheat yields using daily coarse resolution remotely sensed data*.

Discussant(s): Jessica McCarty, University of Louisville

2435. Creating 'Unruly' Specialty Groups: Reflections on Theory Building and Policy Intervention (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Josh Newell, University of Southern California

CHAIR(S): Josh Newell, University of Southern California

Panelists: Timothy Edmund Heleniak, University of Maryland; Craig ZumBrunnen, University of Washington; Michael J. Bradshaw, University of Leicester

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2436. Drought: Estimates and Projectories

Room: Thurgood Marshall EAST, Marriott, Mezzanine

Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Cody Knutson, University of Nebraska- Lincoln

12:40 Jason Ortengren, Ph.D.*, University of West Florida;
Paul A. Knapp, Ph.D., University of North Carolina
- Greensboro; Justin T. Maxwell, University of
North Carolina - Greensboro; Peter T. Soule, Ph.D.,
Appalachian State University, *Homogeneous Summer
Drought Regions in the Contiguous U.S.A., and Their
Relative Susceptibility to Multi-Year Sustained Drought
Events: A synoptic "safety net" protecting the Southeast
and the eastern Gulf Coast?*.

1:00 Asher Siebert*, Rutgers University; M. Neil Ward, PhD,
International Research Institute of Climate and Society,
Columbia University, *Estimating 30-year Ahead
Statistics of Extreme Low Seasonal Rainfall Totals for
Risk Management Applications*.

1:20 Anna Sznyszewska*, University of Florida; Peter Waylen,
University of Florida, *Stochastic method for estimating
drought and flood occurrence: the case of Thailand..*

1:40 Cody L. Knutson*, National Drought Mitigation Center;
Mark D Svoboda, National Drought Mitigation Center;
Meghan Sittler, Lower Platte River Corridor Alliance;
Kelly Smith, National Drought Mitigation Center;
Mark Shafer, Oklahoma Climatological Survey; Donna
L. Woudenberg, National Drought Mitigation Center;
Jim Angel, Illinois State Water Survey, *Creation of a
National "Drought-Ready Communities" Certification
Process*.

2438. Beyond 2015: Sustainable Approaches to Maternal Health and HIV/AIDS Mitigation (Sponsored by Health and Medical Geography Specialty Group, Africa Specialty Group)

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Henry N. N. Bulley, Clark University

CHAIR(S): Barbara Thomas-Slayter, Clark University

12:40 Lawrence Were*, Clark University; Kidest Tita*,
IDCE, Clark University, *Maternal Health and HIV/
AIDS Mitigation: Looking to Public-Private
Partnerships and Social Entrepreneurship*.

12:58 Jane P Messina, M.S.*, UNC Chapel Hill Geography;
Michael Emch, Ph.D., UNC Chapel Hill Geography;
Steven Meshnick, Ph.D., UNC Chapel Hill
Epidemiology, *Spatial and socio-demographic patterns
of HIV prevalence in the Democratic Republic of
Congo*.

1:16 Nimesh Dhungana*, IDCE, Clark University; William F
Fisher, Ph.D., IDCE, Clark University, *Structural
vulnerability and HIV prevalence among economic
migrants in Nepal*.

1:34 Njambi Wagacha, Graduate Student*, Clark University;
Jim Murphy, Professor, Clark University, *Using ICTs
to Increase Maternal Health Services and Decrease
HIV/Aids Infection amongst Urban Youth in Nairobi,
Kenya*.

1:52 Kristine E. Silvestri, Student*, Elon University, *An
Assessment of Governmental- and Non-Governmental
Policies and Programs to Reduce Medical
Professionals' Outmigration and HIV/AIDS Rates in
Zambia*.

Discussant(s): Barbara Thomas-Slayter, Clark University

2439. Abrupt Change, Scale, 'Collapse' 2: Complexity and Hybridity in Human-Environmental Systems (Sponsored by Cultural and Political Ecology Specialty Group, Geomorphology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Thurgood Marshall WEST, Marriott, Mezzanine

Level (Paper Session)

ORGANIZER(S): Karl W. Butzer, University of Texas - Austin;
Georgina Endfield, University of Nottingham

CHAIR(S): Georgina Endfield, University of Nottingham

12:40 Timothy Beach*, Georgetown University; Sheryl
Luzzadder-Beach, George Mason University, *Collapse
and Depressions: Maya Lowlands Transitions through
the Prism of Wetlands*.

1:00 Sarah Harris*, Denison University, *Degraded Landscape
or Resilient Environment? An Analysis of the Cypriot
Environmental Narrative*.

1:20 Lesley M. Head, Prof*, University of Wollongong, *Drought
cultures*.

1:40 Richard Streeter*, The University of Edinburgh, *Landscape
consequences of rapid depopulation in a changing
climate*.

2:00 Arlene Rosen*, University College London, *Managing
Risk and Stability in an Uncertain Environment: The
Success of Hunter/Gatherer Foraging Strategies in the
Levant from the Early Natufians through the end of the
Pre-Pottery Neolithic A..*

2440. China and Globalization III: Regional Development (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yehua Dennis Wei, University of Utah; Ingo
Liefner, Justus Liebig University Giessen

CHAIR(S): Wei Xu, University of Lethbridge

12:40 Yehua Dennis Wei*, University of Utah, *Globalizing
Regional Development, Restructuring the Sunan
Model*.

1:00 Shiuh-Shen Chien*, National Taiwan University,
*Asymmetric Decentralization and Advancement of
Underdeveloped Regions- A Case of Jiangsu, China*.

1:20 Susanne Meyer*, Joanneum Research, Institute of
Technology and Regional Policy - InTeReg, *One
Country, Two Systems: How Regional Institutions
shape Governance Modes in the Greater Pearl River
Delta China*.

1:40 Haifeng LIAO*, Department of Geography, University
of Utah; Roger C. K. Chan, Department of Urban
Planning and Design, Faculty of Architecture, The
University of Hong Kong, *Redistribution of Hong
Kong manufacturing firms in the Pearl River Delta,
China*.

1:55 Juliane Bielinski*, University of Hanover; Javier Revilla
Diez, University of Hanover, *Beneficial foreign
R&D in China? An Empirical Study of German
Multinational Enterprises*.

2441. Broadening Participation and Enhancing Diversity through Community Colleges (Sponsored by Community College Affinity Group)

Room: Tyler, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Herschel Stern, Miracosta College; Kerry
Lyste, Everett Community College

CHAIR(S): Herschel Stern, Miracosta College

Panelists: Osa E. Brand, National Council for Geographic
Education; Darrel Hess, City College of San Francisco;
Herschel Stern, Miracosta College; Kerry Lyste,
Everett Community College; Sian Proctor, South
Mountain Community College

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2442. Building local resilience: urban responses and strategies

Room: *Wilson A, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Arnoud Lagendijk; Susan M. Christopherson, Cornell University
CHAIR(S): Paivi Oinas, Erasmus University, Dept. of G
12:40 Udi Engelsman, University of Liverpool; Alan Southern*, University of Liverpool, *Community Empowerment and Symbolic Violence: The Feasibility of Local Resilience in Housing-led Urban Revitalisation.*
1:00 Roger Keil*, York University, *Internalized globalization and resilience in urban regions: Lessons from Frankfurt and Toronto.*
1:20 Yu Zhou*, Vassar College; Yifei Sun, Geography, California State University, Northridge; Y.H. Dennis Wei, Geography, University of Utah; George Lin, Geography, Hong Kong University, *Divergent territorialization: comparing three prime clusters of ICT industry in China.*
1:40 Stuart Dawley, Dr*, CURDS, Newcastle University; Andy Pike, Professor, CURDS, Newcastle University; John Tomaney, Professor, CURDS, Newcastle University, *Questioning 'resilience': An evolutionary political economy of geographies of adaptation and adaptability.*
Discussant(s): Erik Stam, Utrecht University

2443. Urban Agriculture in the Global North I: Integrating Perspectives from Planning, Public Health, and Political Economy (Sponsored by Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group, Applied Geography Specialty Group)

Room: *Wilson B, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Nathan C. McClintock, University of California, Berkeley; Alexander Tarr, UC Berkeley Geography
CHAIR(S): Nathan C. McClintock, University of California, Berkeley
12:40 Kristin A. Reynolds, PhD Candidate*, UC Davis, *Urban Agricultural Revolution? Food Production and Politics in Alameda County, CA.*
1:00 Evan Weissman*, Syracuse University, *Shifting Cultivation: The Neoliberalization of Urban Agriculture in Syracuse, NY.*
1:20 Michael J. Widener*, University at Buffalo; Sara S. Metcalf, PhD, University at Buffalo, *Planting Place: Examining Spatial Meanings in Post-Industrial Cities through Reactions to Urban Agriculture.*
1:40 Annika Björklund*, *Urban agriculture - between social welfare and commerce.*
Discussant(s): Julie Guthman, University of California Santa Cruz

2444. GIS for the Development of Digital Historical Gazetteers I

Room: *Wilson C, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Helen Kerfoot
12:40 Helen Kerfoot*, UNGEGN / Natural Resources Canada, *The what, why and how of geographical names standardization - from a United Nations perspective.*
1:00 Philip C. Brown*, Ohio State University, *Mapping the Lost Hamlets of Japan.*
1:20 Charlie Frye*, ESRI, *Using GIS to Model Place Names for Automated Map Production Systems.*
1:40 Suzanne Blier*, Harvard University, *Leo-Africanus and the Nile-Niger Mystery (Solved?): Why Ethnonyms Matter in Historic Gazetteers.*
2:00 Benjamin Lewis*, Center for Geographic Analysis, Harvard University, *A Proposed Technology Foundation to Support the Development of Spatio-Temporal Datasets.*

2445. Topics in GIS

Room: *Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)*
ORGANIZER(S): Program Committee
CHAIR(S): William Adjei, Clark University
Kriti Gongal*, Henry N.N. Bulley; Prajwal K Panday; Umesh K Haritashya, *Remote Sensing and GIS-based Assessment of Glacier Lake Outburst Flood Potential in the Sagarmatha Region of Nepal.*
L Jesse Rouse*, UNC Pembroke, *It's OK to play with your data: Exploring local data to find new questions.*
Joseph Cirenza*, University of Mary Washington; Joseph A Cirenza, *Coastal Erosion in Hawaii.*
Kwasi Asante*, University of Arkansas; Jackson David Cothren, Dr., University of Arkansas, *Adapting the Terrahawk Aerial Imaging System (Thais) for the Delivery of Mapping Data.*
Andrew John Rettig*, Department of Geography, University of Cincinnati; Richard Allan Beck, Dr., Department of Geography, University of Cincinnati; Timothy John Rettig, President, LAN Solutions, *An Open Geospatial Consortium Standards-based Arctic Climatology Sensor Network Prototype.*
Krishna P Bhattarai*, South Dakota State University; Chandra Giri, ASRC Research and Technology Solutions, *Assessment of Mangrove Forest Cover Change in the United States Using Multi-temporal Landsat Data (1980-2007).*
Ian Frederick Sanders-Fleming*, Middlebury College; Jeff Howarth, Associate Professor of Geography, Middlebury College, *Bikepaths Are Not Just For Bikes: Using GIS to Incorporate User Knowledge Into Spatial Design.*
Shufan Liu*, *A Web 2.0-Based Mapping Framework for Culture Specific University Students Information Sharing.*
Christina M Hupy, University of Wisconsin Eau Claire; Ryan Weichelt, University of Wisconsin Eau Claire; Rebekah Baum*, University of Wisconsin Eau Claire, *Examining the Relationship between Alcohol Outlets and Crime through Regression Analysis in Eau Claire County, WI.*
Yi-Hwa Wu*, Northwest Missouri State University; R. Paul Duckworth, Blackland Research & Extension Center, Texas A&M System; Ming-Chih Hung, Northwest Missouri State University; Jamie Patton, Northwest Missouri State University, *Graphic User Interface design to integrate GIS and APEX Model.*
Joanna Merson, B.Sc.*, MicroGIS Foundation for Spatial Analysis, *Migrating the print atlas 'Le Valais: Cartoscopie d'un espace régional' into an updatable thematic web atlas.*
Brandon D.E. Hartman*, The University of Akron, *Land Use Change in the Tuscawaras River Watershed.*
Jacob Turner*, Appalachian State University; Christopher Badurek, PhD, Appalachian State University, *An Ontological Approach to GIS Classification of Carolina Bays.*
David R. Soller, Ph.D.*, United States Geological Survey; Christopher Garrity, United States Geological Survey, *Map Database for Surficial Materials in the Conterminous United States.*
Andrew Quackenbush*, Calvin College; Jason E VanHorn, PhD, Calvin College; Johnathan B Bascom, PhD, Calvin College, *Teaching National Atlas-Making Skills for Developing Countries using GIS.*
Christopher M. Gentry, PhD*, Austin Peay State University; Daniel L. Frederick, PhD, Austin Peay State University; David Britton, Austin Peay State University; Danielle Hummel, Austin Peay State University; Jennifer Job, Austin Peay State University;

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Christopher Killebrew, Austin Peay State University;
Richard Rogers, Austin Peay State University;
Katherine Stevenson, Austin Peay State University,
*Using Ground Penetrating Radar and Geographic
Information Systems to preserve a Middle Tennessee
family's history.*

Christopher P Garrity*, U.S. Geological Survey; David R Soller,
U.S. Geological Survey, *Database of the Geologic
Map of North America, Adapted From the Map By J.C.
Reed, Jr. and Others (2005).*

Michael J Frates*, The University of Akron, *Demystifying
Colloquial Tornado Alley - Delineation of New
"Tornado Alleys" in the United States.*

Heather Sheffield*, University of Maryland, *A Statistical
Approach to Lightning Flashes and Land Cover Types
in Maryland.*

Kelli Cole*, University of North Alabama; Francis Koti,
University of North Alabama, *Mapping socio-economic
disparities in Alabama using GIS.*

Nicole Michiels*, University of Wisconsin-Stevens Point;
Rebecca A Braunschweig, University of Wisconsin-
Stevens Point; Kylie J Betzler, University of
Wisconsin-Stevens Point; Elizabeth S Roden,
University of Wisconsin-Stevens Point; Lisa Theo,
University of Wisconsin, *Defining the Top 100 Small
Cities in America.*

William Opoku-Agyeman*, The University of Akron, Department
of Geography and Planning, *Relationship between
Neighborhood Ecology and Foreclosure in suburban
area of Stark County, Ohio.*

Yujung Yan*, University of Akron, Dept. Geography and
planning, *The impact of the proximity to recreational
amenities on property values in Akron, Ohio.*

David Grubeskys*, West Virginia University; Trevor Harris, PhD,
West Virginia University; Frank LaFone, West Virginia
University, *Energy exploration, GIS, and immersive
visualization.*

Nimish Sheth*, Northern Virginia Community College, *Wind
Farm Site Selection in Virginia.*

Yan Lin*, Texas State University-San Marcos, Department of
Geography; F. Benjamin Zhan, Texas State University-
San Marcos, Department of Geography; Jianjun Zhu,
Central South University, School of Info-Physics and
Geomatics, *Assessment of Mercury Pollution in Soil.*

Ming-chih Hung*, Northwest Missouri State University;
Kevin Royal, WinField Solutions, *Comparisons of
Commercial Geospatial Publishing Tools.*

Jacob Napieralski*, University of Michigan- Dearborn; Nick
Nalepa, University of Michigan- Dearborn, *Describing
and modeling landforms and geomorphic processes:
When does grid cell size really matter?*

Joshua A. Knight*, Indiana State University, *FEMA HAZUS and
the Flood of 2008.*

Bruce Worstell*, SGT Contractor to the USGS; Vivian Queija,
USGS, *Postwildfire Debris Flow Tool for Mapping
Inundation in Southern California.*

William Owusu Adjei*, Clark University, 950 Main Street,
Worcester MA 01610-1477, USA; Robert Gilmore
Pontius, Ph.D., Clark University, 950 Main Street,
Worcester MA 01610-1477, USA; Clement Aga
Alo, Ph. D., Department of Civil and Environmental
Engineering, University of Connecticut, Storrs, CT
06269-2037, USA, *Testing the sensitivity of land
change results to category aggregation in Southwestern
Ghana.*

Alex Coletti*, SM Resources Corp.; Peter D Howe, The
Pennsylvania State University; Nathan Wood, USGS;
Brenton M. Yarnal, Pennsylvania State University,
*Architecture Definition of a Vulnerability Assessment
Support System Software Web Service.*

**2446. Pursuing a Career in GIS: Becoming a Certified GIS
Professional (GISP) (Sponsored by Association of American
Geographers and Geographic Information Science and
Systems Specialty Group)**

Room: Lincoln Room 2, Marriott Exhibition Level (Panel Session)
ORGANIZER(S): Douglas Richardson, Association of American
Geographers

CHAIR(S): Edward Arabas, President GISCI

Panelists: Douglas Richardson, Association of American
Geographers; Sheila Wilson, Executive Director
GISCI; Ed Wells, GIS Manager, Government of the
District of Columbia; Lynda Wayne, GeoMaxim, Inc.

**2447. Certain subjects? Constructing identities, personalities
and personas from the archive. (Sponsored by Historical
Geography Specialty Group)**

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Isla Forsyth, University of Glasgow

CHAIR(S): Isla Forsyth, University of Glasgow

12:40 Cheryl McGeachan*, University of Glasgow, *Journals in
Time' - (Re) Imagining R.D. Laing's Childhood City.*

1:00 Mary E Kitzel, CI, CT, MSc*, University of Sussex,
*Searching for Sign(s) in the archive: The Kentish
origins of American Sign Language.*

1:20 Tiffany Muller Myrdahl*, University of Lethbridge, *Oral
history and the limits of ascertaining geographical
subjects.*

1:40 Mathilde Leduc-grimaldi*, RMCA, *Are the dead fooling
us? Positivism and distortion in setting-up and using
archives..*

**2448. Fluvial Geomorphology II (Sponsored by Geomorphology
Specialty Group)**

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Inci Guneralp, Texas A&M University; Peng
Gao, Syracuse University

CHAIR(S): Michael Slattery, Texas Christian University

12:40 Mark A. Fonstad*, Texas State University, San Marcos, *A
Simulation Approach to Relating Floods and Fire to
Fluvial Wood Transport and Storage.*

1:00 Allan James*, University of South Carolina; Suhajit
Ghoshal, University South Carolina; Michael B.
Singer, University of St. Andrews; Rolf Aalto,
University of Exeter, *Channel and Floodplain
Metamorphosis Following an Aggradation-
Degradation Episode.*

1:20 Subhajit Ghoshal*, University of South Carolina; Allan
James, University of South Carolina, *Planimetric and
Volumetric Analysis of Channel Change in the Post-
Hydraulic Mining Period: Central Valley, California.*

1:40 Melinda Daniels*, Kansas State University; Denise
Burchsted, University of Connecticut, *Redefining
the Dam Removal Paradigm in Formerly Glaciated
Forested Headwater Systems.*

2:00 Richard Kesel*, Louisiana State University, *Fluvial
geomorphology: Its role in policy and management
decisions on Mississippi River.*

2449. Topics in Urban Geography and Geography Education

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated
Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lisa New Freeland, Eastern Illinois University

12:40 Diana Sarita Hamburger*, UFABC, *The representation
of the urban centers connections in the Amazonas
state (Brazil), using the infrastructure of the utilities
networks..*

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- 12:45** Sarah Luria*, College of the Holy Cross, *The Image of the Street: A Digital Salon.*
- 12:50** Xuejiao Lin*, Montana State University, *Urbanization Process of China, the case of Shanghai.*
- 12:55** Kelly Edmiston*, Federal Reserve Bank of Kansas City, *Neighborhood Effects of Low-Income Housing Developments.*
- 1:00** Amy V Ferdinand*, Montclair State University, *A systems dynamics approach to gauge processes, such as the proposed LEED for Neighbor Development (LEED-ND) rating systems, as holistic and sustainable redevelopment options for urban Brownfield sites..*
- 1:05** Shrinidhi Ambinakudige*, Mississippi State University, *Urbanization and land surface temperature: a spatial analysis of urban heat island effect in Bangalore.*
- 1:10** Maci Edwards*, University of Arkansas, Gesciences Department, *Creating, Promoting, and Paying for Public Space to enhance Community in Fayetteville, Arkansas.*
- 1:15** Suzanne P. Wechsler*, California State Long Beach, *Integrating Rapa Nui (Easter Island) Research into Geoscience-Based Curriculum: A Sustainability Approach for Geosciences Diversity Enhancement Project (GDEP) Track 2.*
- 1:20** Claudia A Engel, Dr*, Stanford University, *Teaching Spatial Analysis in Anthropology.*
- 1:25** Niccole Villa Cerveny, Ph.D.*, Mesa Community College; Casey D. Allen, Ph.D., University of Colorado-Denver; Ronald I. Dorn, Ph.D., Arizona State University, *Undergraduate Research: Rock Art in an Interdisciplinary Framework.*
- 1:30** Lisa New Freeland*, Eastern Illinois University; Godson C Obia, Eastern Illinois University; John Paul Stimac, Eastern Illinois University, *Global Threats and Problems: An Interdisciplinary Approach.*
- 1:35** Dalia Mohamed Saleh*, University of Oklahoma, *New Settlements around the Greater Cairo Region in Egypt: an Urban Planning Study.*

2450. Business Geography: Teaching and Curriculum (Sponsored by Economic Geography Specialty Group, Applied Geography Specialty Group, Business Geography Specialty Group)

Room: Lincoln Room 6, Marriott, Exhibition Level (Panel Session)
ORGANIZER(S): Lawrence E. Estaville, Texas State University; John Frazier, Binghamton University
CHAIR(S): Lawrence E. Estaville, Texas State University
Panelists: Shuguang Wang, Ryerson University; Tony Hernandez, Ryerson University; Xiaoping Shen, Central Connecticut State University; Eugene Tettey-Fio, SUNY-Binghamton

2451. Food, Economic Institutions, and Markets in Latin America

Room: Washington Room 1, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Adolf Ng
12:40 Camille E Gaskin-Reyes, Adjunct Professor*, George Washington University, Elliott School of International Affairs, *Reviewing The Business of Development Projects in Latin America: Spatial, Environmental and Socio-economic Impacts.*
1:00 Stuart H. Sweeney, Ph.D.*, University of California Santa Barbara; Frank Davenport, M.A., University of California Santa Barbara; Doug Steigerwald, Ph.D., University of California Santa Barbara; Hallie Eakin, Arizona State University, *Mexican maize production: Evolving organizational and spatial structures since 1980.*

- 1:20** Marcellus Caldas, Dr.*, Kansas State University-Geography, *The Political Economy of Sugarcane Expansion: the case of the Brazilian Savanna.*
- 1:40** Adolf K.Y. Ng, DPhil*, Department of Logistics and Maritime Studies, The Hong Kong Polytechnic University; Flavio Padilha, MSc, Department of Logistics and Maritime Studies, The Hong Kong Polytechnic University, *The spatial characteristics of dry ports in emerging markets: the case of Minas Gerais in Brazil.*

2452. Environment, Coastal & Forest Management

Room: Washington Room 2, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Pooja Puar, PH.D

- 12:40** Pallavi V. Das*, Lakehead University, Canada, *Railways' Fuel Demand and its Impact on the Forests in Colonial India: The Case of the Punjab, 1860-1884.*
- 1:00** Rong-Kang Shang*, Department of Geography, National Taiwan University; Pei-Shan Sonia Lin, Department of Geography, National Taiwan University; Chang-Yi David Chang, Department of Geography, National Taiwan University, *Sustainable Development Indicators in Policy Making: A Case Study of Natural Coastline Ratio for Coastal Management in Taiwan.*
- 1:20** Hosuk Lee*, Florida State University, *Nature's Island: Political Ecology of Territorial Conflict with a Case Study of Dokdo in South Korea.*
- 1:40** Pooja Puar*, Ph.D.; Min Feng, Ph.D.; Do-Hyung Kim, Graduate Research Assistant; Chengquan Huang, Ph.D.; John R.G. Townshend, Ph.D.; Saurabh Channan, *An Assessment of Forest Change in Tasmania using Multi-Temporal Landsat Imagery.*
- 2:00** Yuki Suzuki*, Boston University, *Environment as a development concern in Tuvalu.*

2453. Coastal and Marine Geography and Modeling

Room: Washington Room 3, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Varis Ransibrahmanakul, NOAA

- 12:40** Valerie Pasquarella*, Boston University; Marta Ribera, Boston University; Chris Holden, Boston University; Suchi Gopal, Boston University; Les Kaufman, Boston University, *The MIDAS Mangrove Assessment Model: A spatial decision support tool for relative comparison of mangrove stand contribution to key ecosystem services.*
- 1:00** Christopher Holden*, Boston University; Suchi Gopal, Boston University; Valerie Pasquarella, Boston University; Les Kaufman, Boston University; Marta Ribera, Boston University, *MIDAS - A GIS Framework for Public Participation in Marine Conservation.*
- 1:20** Marta Ribera*, Boston University; Suchi Gopal, Boston University; Valerie Pasquarella, Boston University; Chris Holden, Boston University; Les Kaufman, Boston University, *MIDAS: A Spatial Decision Support System for Monitoring Marine Management Areas.*
- 1:40** Byungyun Yang*, University of Georgia, CRMS; Marguerite Madden, University of Georgia, Center for Remote Sensing and Mapping Science; Thomas R Jordan, University of Georgia, Center for Remote Sensing and Mapping Science, *Knowledge-Based Classification of Land-Use/Cover by GEOBIA and Shoreline Change Detection with LiDAR on Georgia's Coast.*
- 2:00** Varis Ransibrahmanakul*, NOAA; Doug Pirhalla, NOAA; Randy Clark, NOAA, *Constructing Upwelling Areas Along the U.S. West Coast from Satellite Data.*

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- 2455. Geographies of HIV/AIDS in the American South**
Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mara Hedrich, University of North Texas
12:40 Jody Huddleston*, University of North Texas; Joseph R Oppong, Ph.D., University of North Texas, *HIV/AIDS Late Testers in Texas*.
1:00 Margaret Carrel*, University of North Carolina - Chapel Hill; Christopher Hurt, University of North Carolina-Chapel Hill; Xiu-Feng Wan, Mississippi State University; Elisabeth Root, University of Colorado-Boulder; Joseph Eron, University of North Carolina-Chapel Hill; Michael Emch, University of North Carolina-Chapel Hill, *Spatio-temporal analysis of evolutionary relationships among acute/newly acquired and transmitted drug resistant HIV strains in North Carolina, 1994-2003*.
1:20 Jessica Lee McCallister*, University of North Texas; Ashley Nicole Fuller, University of North Texas, *HIV/AIDS Among 13-24 year olds in Dallas, Texas, 1998-2008*.
1:40 Mara Hedrich*, University of North Texas, *HIV/AIDS in Texas for Adults Aged 50 Years and Older, 1999-2007*.
- 2456. Exploring the geography of socio-technical transitions to environmentally sustainable economies: part I (Sponsored by Energy and Environment Specialty Group)**
Room: Blue Room, Omni Shoreham (Paper Session)
 ORGANIZER(S): Lars Coenen, Lund University, Sweden; Bernhard Truffer, Eawag
 CHAIR(S): Lars Coenen, Lund University, Sweden
12:40 Alexander Aylett*, University of British Columbia / ICSC, *Fractured Energy: Low-Carbon Energy Transitions in a City Under Stress (Durban, South Africa)*.
1:00 Vanesa Castan-Broto, Department of Geography, Durham University; Harriet Bulkeley*, University of Durham, *Relational cities and sustainable transitions*.
1:20 Michael Hodson*, University of Salford; Simon Marvin, University of Salford, *Mediating Low-Carbon Urban Transitions? Forms of Organisation, Knowledge and Action*.
1:40 Ralph Horne, BSc (Hons), MSc, PhD*; Tony Dalton, FelDipArch, GradDipPubPol, MsocSc, PhD, *Transitions in suburbia? Eco-innovation niches and the role of space, time, skills and craft in housing renovation and retrofitting*.
2:00 Anne Maassen, MSc, BA*, Department of Geography, University of Durham, United Kingdom, *New technologies and old logics: socio-technical alignments through time and space in urban energy processes*.
- 2457. Sustainable Communities 2**
Room: Cabinet, Omni Shoreham (Paper Session)
 ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University
 CHAIR(S): Yehuda Klein, CUNY - Graduate Center
12:40 Christine C Caruso, MA, MPH*, The Graduate Center CUNY, *Community Supported Agriculture and the Sunnyside CSA: A Case Study of Meaning, Values and Practice in Food*.
1:00 Jerry Shannon*, University of Minnesota, *A Taste for the Invisible: Public Health, Nutritionism, and Sustainable Urban Food Systems*.
1:20 David S. Friedman*, City University of New York Graduate Center; Yehuda Klein, PhD, City University of New York Graduate Center; Vatsal Bhatt, Brookhaven National Laboratory, *The Use of MARKAL to Improve Sustainability Planning and Promote Environmental Justice*.
- 1:40** Alison Blay-Palmer*, Wilfrid Laurier University; Shannon Kornelsen, Wilfrid Laurier University, *Food Counts: Measuring Food Success*.
2:00 Alex Franklin, Dr*, BRASS Research Centre, Cardiff University; Julie Newton, Dr, BRASS Research Centre, Cardiff University; Adrian Morley, Dr, BRASS Research Centre, Cardiff University, *Moving Beyond the Alternative: Sustainable Communities, Social Enterprise and the Mainstreaming of Local Food*.
- 2458. A Deeper Sense of Place: New Geographies of Indigenous-Academic Collaboration I (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Calvert, Omni Shoreham (Paper Session)
 ORGANIZER(S): Jay T. Johnson, University of Kansas; Soren Larsen, University of Missouri
 CHAIR(S): Jay T. Johnson, University of Kansas
12:40 Soren Larsen*, University of Missouri, *Placing the Professional Stranger: Reflections on Place, Self, and Fieldwork*.
1:00 RDK Herman*, National Museum of the American Indian, *In the Canoe: intersections in space, time and becoming*.
1:20 Jay T. Johnson*, University of Kansas, *Kitchen Table Discourse: developing research relationships by identifying 'common ground'*.
1:40 Laurie S Richmond*, University of Minnesota, Conservation Biology Program, *Anagyuk (Partner): Personal Relationships and the Exploration of Alutiiq Fishing Geographies in Old Harbor, AK*.
2:00 Sandie Suchet-Pearson, Macquarie University; Sarah Wright, The University of Newcastle; Lak Lak Burarrwanga, Bawaka Cultural Experiences, Bawaka, North East Arnhem Land; Matalena Tofa*, Macquarie University, *Telling stories in, through and with country: Engaging with Indigenous and more-than-human methodologies at Bawaka, NE Australia..*
- 2459. (In)secure space: Security, dissent, and contemporary urban social struggles 3 (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group)**
Room: Capitol, Omni Shoreham (Panel Session)
 ORGANIZER(S): Nathan Lee Clough, University of Minnesota
 CHAIR(S): Nathan Lee Clough, University of Minnesota
 Panelists: Robert B. Ross, Point Park University; Walter J. Nicholls, Sociology, University of Amsterdam; Bruce D'Arcus, Miami University of Ohio; Paul Routledge, University of Glasgow; Byron A. Miller, University of Calgary; Kristin M. Sziarto, University of Wisconsin-Milwaukee; Jules Boykoff, Pacific University
- 2460. Topics in Water Resources I**
Room: Chairman, Omni Shoreham (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kristopher D. White, Kazakhstan Institute of Management, Economics, and Strategic Research
12:40 Jeff La Frenier*, Ohio State University, *The Burden of Fetching Water: Using Caloric Expenditure as an Indicator of Access to Safe Drinking Water - A Case Study from Xieng Khouang Province, Lao PDR*.
1:00 Robyn Lane Dennis*, Center for Advanced Spatial Technologies, University of Arkansas; Jennie S Popp, Ph.D., University of Arkansas, *Water Use and Willingness to Pay in a Rapidly Urbanizing Region*.
1:20 Charles McGlynn*, Rutgers University, *Water for Cebu*.
1:40 Kristopher D. White*, Kazakhstan Institute of Management, Economics, and Strategic Research, *Contemporary Nature-Society Links in Central Asia's Aral Sea Region*.

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2:00 Keshav Bhattarai*, University of Central Missouri; Innocent Pumure, University of Central Missouri; Gija Geme, University of Central Missouri; Scott McKay, University of Central Missouri, *Effects of vegetation, topography, and agricultural practices in the Flat Creek Watershed of Western Missouri.*

2461. Economic Geography

Room: Congressional A, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Abigail Cooke, UCLA

12:40 Jesse Chu-Shore*, MIT, *Centripetal Forces in the World System: a longitudinal network analysis of the effect of importing on exporting in the recorded music industry.*

1:00 Carmen Izabela Cirloganu*, Florida Atlantic University; David C. Prosperi, Florida Atlantic University, *Trading Places in South Florida.*

1:20 John Taylor Shelton*, University of Kentucky, *Telemediated labor on the seesaw of capital.*

1:40 Abigail M. Cooke*, UCLA, *Geographical Scale and Positional Goods.*

2:00 Ellen Zapata*, George Mason University, *The Evolution of City-Suburb Relations.*

2462. Ecological Distribution of Species

Room: Congressional B, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel B. Fagre, United States Geological Survey

12:40 Steven Highland*, Oregon State University Geosciences Department, *Herbaceous Plant and Moth Community Resilience and Change in Western Cascade Montane Meadows, Oregon.*

1:00 Andrew S. Medeiros*, York University; Roberto Quinlan, Associate Professor, York University, *The biogeographic distribution of Chironomidae (Insecta:Diptera) from northern Manitoba to the eastern Canadian Arctic.*

1:20 Erin Lee Hestir*, University of California, Davis; David Schoellhamer, United States Geological Survey; Jonathan Greenberg, University of California Davis; Tara Morgan, United States Geological Survey; Susan Ustin, University of California Davis, *Turbidity declines and submerged aquatic vegetation expansion in a freshwater estuary.*

1:40 Lindsey E. Bengtson, United States Geological Survey; Daniel B. Fagre, Ph.D.*, United States Geological Survey; Jen Asebrook, Glacier National Park; Jennifer Hintz, Glacier National Park, *GLORIA re-survey project: an evaluation of changes in alpine plant species composition and distribution in the Northern Rocky Mountains, Montana.*

2463. Semantics I: Geospatial Ontology for Geographic Analysis and Data Integration (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Alexandre Sorokine, Oak Ridge National Laboratory; Chen-Chieh Feng, Geography, National University of Singapore

CHAIR(S): Liping Di, George Mason University

12:40 Peisheng Zhao*, Center for Spatial Information Science and Systems (CSISS), George Mason University; Liping Di, Center for Spatial Information Science and Systems (CSISS), George Mason University, *Ontology Driven Geospatial Data Mining.*

1:00 Yuliang Chen*, Louisiana State University; Gregory W. Stone, Coastal Studies Institute, & Department of Oceanography and Coastal Sciences, *Ontology Driven Spatio-Temporal Data Model for Oceanographic Modeling.*

1:20 Tracy J. McLane, GIS Manager*, Bechtel Corporation, *The Use of Spatial Views for the Extension of Map Cube Operators in an Global Enterprise GIS Environment.*

1:40 Alexandre Sorokine*, Oak Ridge National Laboratory, *Evolving Ontologies for Geospatial Situation Understanding.*

2:00 Tao Tang*, Buffalo State College (SUNY College at Buffalo); Xiao Wang, SUNY College at Buffalo; Zhixin Shi, University at Buffalo-CEDAR; Joaquin Carbonara, SUNY College at Buffalo, *Linear Objects Identification and Extraction from High Resolution Images to GI Database Using Road Network as an Example.*

2464. Contemporary geographic research on (im)migration 3: Forced migration and displacement (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Diplomat, Omni Shoreham (Paper Session)

ORGANIZER(S): Patricia Ehrkamp, University of Kentucky; Helga Leitner, University of Minnesota - Minneapolis

CHAIR(S): Alison Mountz, Syracuse University

12:40 Beth Mitchneck*, University of Arizona, *Forced Migrants and Their Social Networks: Effects of Time and Space in the Republic of Georgia.*

1:00 Elizabeth C. Dunn, Ph.D.*, University of Colorado - Boulder, *Placemaking and Nothingness after the South Ossetian War.*

1:20 Joanna Regulska*, Rutgers University, *Contesting Gender Identities and Practices: Internally Displaced Persons (IDPs) in Search of Self.*

1:40 Michael Collyer*, University of Sussex, *Violence, displacement and the total institution: migration and (under) development in the plantation areas of Sri Lanka.*

2465. Hurricanes III: Community Recovery and Resilience (Sponsored by Hazards Specialty Group)

Room: Director's, Omni Shoreham (Paper Session)

ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University

CHAIR(S): Cary J. Mock, University of South Carolina

12:40 Jerry T. Mitchell*, University of South Carolina; Christopher Burton, University of South Carolina; Susan L. Cutter, University of South Carolina, *Katrina's Post-Disaster Recovery: Monitoring with Repeat Photography.*

1:00 David Butler*, University of Southern Mississippi, *Hurricane Katrina Recovery and Community Resilience: A Spatial Examination.*

1:20 Jay Baker*, Florida State University, *Evacuation of Mobile Homes in Hurricanes.*

1:40 Stephanie Jane Morrice*, Miami University, *Assessing the Durable Obstacles to Return Migration Among Hurricane Katrina Evacuees.*

2:00 Helbert Arenas*, Louisiana State University; Nina Lam, Louisiana State University, *Temporal dynamics of business reopening predictors in New Orleans after Hurricane Katrina.*

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2466. The Experiences of Immigrants and Refugees in Urban Areas in International Cities (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

- Room:** Embassy, Omni Shoreham (Paper Session)
 ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University
 CHAIR(S): James Forrest, Macquarie University
12:40 Daniela Temme*, *High-skilled migrants and their integration in the urban society - the examples of Aachen, Bonn and Cologne.*
12:55 James Forrest*, Macquarie University, *Attitude versus Behaviour: Attitudes to and Experience of Racism in Sydney, Australia's Largest Ethnicity.*
1:10 Ranu Basu*, York University, *Educational Infrastructure and Suburban Realities - Rights and Access for Immigrant Groups in York Region, Ontario.*
1:25 Alan P. Marcus*, Towson University, *(Re)Creating Places and Spaces in Two Countries: Brazilian Transnational Migration Processes.*
1:40 Günther Weiss*, *Working at a German University - a Gateway to Success for Highly skilled Migrants ?.*

2468. South Asia through a Critical Geography Lens (Sponsored by Socialist and Critical Geography Specialty Group, Asian Geography Specialty Group)

- Room:** Forum, Omni Shoreham (Paper Session)
 ORGANIZER(S): Vandana Wadhwa, Boston University
 CHAIR(S): Sanjoy Chakravorty, Temple University
12:40 Sanjoy Chakravorty*, Temple University, *The Next 300 Million: Questions About India's Emerging Urban Condition.*
1:00 Robert B Sidell III*, *Evolution of the Use of Public Space by Islamist Groups in Bangladesh.*
1:20 Majed Saeed Akhter*, University of Arizona, *States and Rivers: A Historical-Geographical Analysis of the Indus Waterscape.*
1:40 Nancy E. Cook*, Brock University, *Road Construction, Geographic Accessibility and Social Change in Shimshal, Pakistan.*

2469. Geography at the Urban Institute

- Room:** Governor's, Omni Shoreham (Paper Session)
 ORGANIZER(S): Meagan Cahill, The Urban Institute
 CHAIR(S): Meagan Cahill, The Urban Institute
12:40 Nancy LaVigne*, Urban Institute; Samantha Hetrick, Urban Institute, *Eye in the Sky: The Effect of CCTV on the Spatial Distribution of Crime and Arrests.*
1:00 Samantha S Hetrick*, The Urban Institute, *Weaving a tangled web: The influence of youths' social networks on delinquent behavior.*
1:20 Meagan Cahill*, The Urban Institute, *Out and Back: Crime Displacement and HUD's HOPE VI Initiative.*
1:40 Kathryn L.S. Pettit, The Urban Institute; Leah Hendey*, The Urban Institute, *The Impact of the Foreclosure Crisis on the Washington D.C. Metropolitan Area.*
2:00 Jennifer Comey*, Urban Institute, *Changing Homes, Changing Schools: The Effects of the Foreclosure Crisis on School-Aged Children.*

2470. Regions in the Global Knowledge Economy III - Relational Evolution and Alternative Access Routes (Sponsored by Economic Geography Specialty Group, Regional Development and Planning Specialty Group)

- Room:** Hampton, Omni Shoreham (Paper Session)
 ORGANIZER(S): Dieter Franz Kogler, University of Toronto; Elizabeth Mack, Indiana University
 CHAIR(S): Benjamin Shultz, University of Tennessee
12:40 Harald Bathelt*, University of Toronto; Ben Spigel, University of Toronto; Rachael Gibson, University of Toronto, *The Relational Geography of North American Trade Fairs.*
12:57 Kristian Hegner Reinau*, Aalborg University, *High-tech Clusters and Multinational Corporations: Political games and their importance.*
1:14 Benjamin Shultz*, University of Tennessee; Yitu Xu, University of Tennessee, *Handmade and DiY: A Look at the Cultural Economy in the Digital Age.*
1:31 Richard Shearmur*, Université du Québec, INRS-UCS, *HOPS, KIBS and BUZZ: High order services and local innovation systems in Canada.*
1:48 Matthew Drennan, visiting professor*, UCLA; Hugh F Kelly, Clinical Associate Professor, NYU, *Measuring Urban Agglomeration Economie with Office Rents.*
 Discussant(s): Susan M. Christopherson, Cornell University

2472. Situating Neogeography

- Room:** Senate, Omni Shoreham (Paper Session)
 ORGANIZER(S): Matthew W. Wilson, Ball State University; Agnieszka Leszczynski, University of Washington
 CHAIR(S): Sarah Elwood, University of Washington
 Introducer: Lomme Devriendt
12:43 Jin-Kyu Jung*, University of North Dakota, *Revisiting Constructive Grounded Theory toward the reaction of Neogeography.*
1:02 Matt McCourt*, University of Maine at Farmington; Owen Dwyer*, Indiana University at Indianapolis, *Neogeographic Conversations: Situating and Sharing Students' Landscape Investigations.*
1:21 Agnieszka Leszczynski*, University of Washington, *Neogeo as Neolib? Towards a Preliminary Political Economy of VGI.*
1:40 Wen Lin*, University of Wisconsin-La Crosse, *Emerging neogeographic practices in China: (new) spaces of participation and resistance?.*
2:00 Mark Graham*, University of Oxford, *Paperclips, Plastic Buckets, and Pork Pies: Potentials for the Peer Production of Transparency.*

2473. Modeling the Novel H1N1 (Swine Flu) Outbreak During Spring 2009 and Beyond (Sponsored by Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group)

- Room:** Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Christopher Goranson, NYC Dept. Health and Mental Hygiene; Konty Kevin, New York City Department of Health
 CHAIR(S): Christopher Goranson, NYC Dept. Health and Mental Hygiene
12:40 Christopher Goranson, MGIS, GISP*, NYC Dept. Health and Mental Hygiene, *Characterizing the geographic and temporal spread of H1N1 in New York City in spring 2009.*
1:00 Paul J Maliszewski*, Arizona State University; Ran Wei, Arizona State University, *A spatial regression analysis of H1N1 influenza hospitalizations in California.*

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- 1:20 Frank Hardisty*, Penn State, *Using text analytics with spatial statistics to characterize H1N1 flu outbreaks.*
 1:40 Konty j Kevin*, New York City Department of Health, *Measuring the spatial synchrony of H1N1.*

2474. Discourses and the Environment

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kerry Grimm, Oregon State University

- 12:40 Timothy Brock*, University of Kentucky, *Determining Environmentalism: The World Bank's Role in Global Environmental Policy.*

- 1:00 Katrina Brown*, University of East Anglia, *Analysing Policy Discourses of Resilience.*

- 1:20 Surbhi Sharma*, University of Nevada, Las Vegas, *Understanding the dimensions of Sustainable Development.*

- 1:40 Kerry E Grimm*, Oregon State University; Mark D Needham, Oregon State University; Lisa M Campbell, Duke University; Mark P Moore, Oregon State University; Bryan Tilt, Oregon State University, *A methodology for analyzing discursive political ecology: Applying ideographs from rhetorical criticism.*

- 2:00 Robin A. Lewis*, University of Arizona, *Strategic Certification: The Evolution of the Malaysian Timber Certification Scheme in the Face of Global Environmental Governance.*

2475. Biogeography

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Becky Blanchard, University of Florida

- 12:40 Jake F Weltzin*, USGS, *Taking the Pulse of Our Planet: The USA National Phenology Network.*

- 1:00 Geoffrey Lewis*, University of Waterloo; Robert J. Laverne, Davey Tree Expert Co., *Large scale loss of tree canopy as an opportunity to study the effect of trees on residential energy use.*

- 1:20 Jingyu Wang*, Earth & Environmental Sciences, Graduate Center, City University of New York; Hari K Pant, Lehman College Environmental Geographic & Geological Sciences Department, *Phosphorus bioavailability estimation in the water columns of the Bronx River.*

- 1:40 Jane Southworth*, University of Florida; harini nagendra, Ashoka Trust for Research in Ecology and the Environment, 659 5th A Main, Hebbal, Bangalore 560024, India; lin cassidy, PhD, Harry Oppenheimer Okavango Research Centre, Private Bag 285, MAUN, Botswana, *Forest transition pathways in Asia - Case studies from Nepal, India, Thailand and Cambodia.*

- 2:00 Becky Blanchard*, University of Florida, *Vibrio vulnificus and new political ecologies of risk in the Gulf Coast oyster industry.*

2476. Urban Geography and World Cities

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shabih-Ul-Hassan Zaidi, UET, Lahore, Pakistan

- 12:40 Shabih-Ul-Hassan Zaidi, Prof. Dr. *, UET, Lahore, Pakistan, *Low Income Housing In A Rapidly Urbanizing Pakistan.*

2478. Food: Critical Problems in Unique Global Niches

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alexander Thornton, The University of New South Wales

- 12:40 Carolyn French*, The George Washington University, *The Regional Effects of Farmed Salmon Production in Chile.*

- 1:00 Stuart Edward Hamilton*, The College of William and Mary, *The expansion of commercial aquaculture and the decline of mangrove forest in Manabí province Ecuador. Past trends, the current situation and future prospects for mangrove recovery.*

- 1:20 Juliane Dame*, University of Heidelberg; Marcus Nüsser, University of Heidelberg, *From Subsistence to Subsidies: Food System Transitions in Ladakh, Indian Himalaya.*

- 1:40 Clare Joanne Kelso*, University of Johannesburg, *From Sustainability to Vulnerability: The Namaqua in the 19th Century.*

- 2:00 Alexander C. Thornton, PhD*, The University of New South Wales at Canberra; Etienne Nel, PhD, The University of Otago, *Cyclones, cash crops and capitalism: Can community-based industries survive economic openness in Samoa?.*

2479. Historic Mapping

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Darrell Kruger, Illinois State University

- 12:40 Melissa N. Morris*, Miami University, *Diversions of Empire: Geographic Representations of the British Atlantic, 1589-1725.*

- 1:00 Indumathi Srinath*, Texas A & M University; Andrew Millington, Texas A& M University, *Original Texas Land Survey as a Source for Pre-European Settlement Vegetation Mapping.*

- 1:20 Christian MONTES*, Université De Lyon, *Public and Private Places in American State Capitals, between Fragmentation and Heritage.*

- 1:40 Darrell Kruger*, Illinois State University; Sarah Teeters, Illinois State University, *The Geographical Extent of Upland South Culture in Central Illinois.*

- 2:00 Jonathan Cherry, Dr*, St Patrick's College, DCU, *Shifting the urban focus: developing a new street in 19th century Cavan, Ireland..*

2480. Food Justice and Food Sovereignty (Sponsored by Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group, Applied Geography Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Daniel R. Block, Chicago State University; Lindsay Naylor

CHAIR(S): Daniel R. Block, Chicago State University

- 12:40 Daniel R. Block*, Chicago State University; Dinah Ramirez, Healthy Southeast Chicago; Noel Chavez, University of Illinois-Chicago, *Food Sovereignty, Food Justice, and Urban Food Access: Community, Disparities, and Activism in Chicago.*

- 1:00 Lindsay Naylor*, University of Oregon, *Hired gardens and urban landscapes: A critical analysis of personal "farms" in San Francisco, Portland and Seattle.*

- 1:20 Sarah E.L. Wakefield*, University of Toronto; Julie Fleming, University of Toronto, *Bitter Harvest: Farmers' Perceptions of Fairness and Justice in the Food System.*

- 1:40 Jesse C McEntee*, Cardiff University, *Realizing Rural Food Justice: Divergent Locals in the Northeastern United States.*

Discussant(s): Hilda Kurtz, University of Georgia

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2482. Using GIS, Remote Sensing, and Facility Data for Optimized Planning

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bryan Chastain, University of Texas at Dallas

12:40 Jonatan Almagor*, Tel Aviv University; Itzhak Benenson, Professor, Tel-Aviv University; Alfasi Nurit, Dr., Ben-Gurion University, *The Impact of Outline District Plan: Planned Versus Actual Development, the Case of Israel.*

1:00 Betty Hsiutzu Chang*, Rutgers University, *A GIS-aided Analysis on Measuring the Effects of Main Street Designation on Property Value in Baltimore, MD.*

1:20 Christopher Upchurch*, University of South Carolina; Harvey Miller, University of Utah, *Optimizing Facility Location and Operating Hours Using Space-Time Prisms.*

1:40 Ting Lei*, University of California, Santa Barbara; Richard L Church, University of California, Santa Barbara, *A new class of dispersion facility location models.*

2:00 Bryan Chastain*, University of Texas at Dallas, *Simulating Sporting Events Attendance: Examining 2008-2009 NCAA Football Attendance with a Multi-Agent System.*

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2502. Culture, Environment, and Violence: The Critical Role of Geography for Gaining a 'Regional Expertise' of South and Central Asia (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Military Geography Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): L. Jean Palmer-Moloney, USACE - ERDC

CHAIR(S): L. Jean Palmer-Moloney, USACE - ERDC

2:40 Farhana Ali*, Joint Military Intelligence Training Center, *Culture, Environment, and Violence: The Critical Role of Geography for Gaining a 'Regional Expertise' of South and Central Asia.*

2503. The Future of Religious Geopolitics (Sponsored by Political Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group, Cultural Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Tristan Sturm, UCLA; Jason Dittmer, University College London

CHAIR(S): Jason Dittmer, University College London

Panelists: Nicholas Megoran, University of Newcastle Upon Tyne; Klaus Dodds, Royal Holloway, University of London; Simon Dalby, Carleton University; Tristan Sturm, UCLA; James Sidaway, University of Amsterdam

2504. Coupled human-environment interactions in dryland regions: Expert Session (Sponsored by Graduate Student Affinity Group, Human Dimensions of Global Change Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Cerian Gibbes, University of Florida; Andrea Gaughan

CHAIR(S): Andrea Gaughan

2:40 Stephen D Prince, PhD*, University of Maryland, *Multiple stable states and desertification.*

3:00 Lin Cassidy, PhD*, Harry Oppenheimer Okavango Research Centre, University of Botswana, *Fence Induced Change in the Southern Okavango, Botswana and its Implications for Management and Policy.*

3:20 Todd M Scanlon, Dr. *, University of Virginia, *An evaluation of the 'greening up' phenomenon in drylands: The Kalahari Transect.*

3:40 Stefanie M. Herrmann*, University of Arizona, *Informing the desertification debate in the Sahel with remote sensing and ethnographic research.*

2505. Global Dialogues for Emerging Science and Technology (GDEST) Africa: Geospatial Science for Sustainable Development in Africa: The Path Forward to Continuing Collaboration.

Room: Ethan Allen, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Candida Mannozi, Association of American Geographers; Paul Bartel, U.S. Department of State

CHAIR(S): Paul Bartel, U.S. Department of State

Discussant(s): Claudio Cioffi-Revilla

Panelists: Ashbindu Singh, UNEP; Isi Ikhuoria, Regional Centre for Training in Aerospace Surveys (RECTAS); Sives Govender, EIS-AFRICA; Marsha Goldberg, Association of American Geographers

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2507. The diversity of neoliberal urbanization II

Room: Marriott Ballroom Salon 3, Marriott, Lobby

Level (Paper Session)

ORGANIZER(S): Stijn Oosterlynck, KU Leuven; Maarten Loopmans

CHAIR(S): Maarten Loopmans

2:40 Marit Rosol*, Goethe Universitaet Frankfurt, *Governmentality and the Diversity of Neoliberal Urbanization.*

3:00 Thorben Wieditz*, York University, *Space, everyday life and the body: Some preliminary notes on the role of the body in regulation theory.*

3:20 Bruno Meeus*, Institute for Social and Economic Geography, Katholieke Universiteit Leuven, *What Can't Be Traded in Neo-Liberalism? The Moral Politics of Economic Exchange in Post-Socialist Cities..*

3:40 Lajos Boros*, University of Szeged, *Growth coalitions and the spaces of everyday life: A case-study from Hungary.*

4:00 Christopher Mele*, University at Buffalo, *Neoliberal Urbanization and Exclusionary Development.*

2509. Dendrochronology IV: Dendropyrochronology (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): James H. Speer, Indiana State University;

Henri D. Grissino-Mayer, University of Tennessee

CHAIR(S): Erika Wise, The University of Iowa

2:40 Sally P. Horn*, University of Tennessee; Henri D. Grissino-Mayer, University of Tennessee, *Fire History from Soil Charcoal in Table Mountain Pine Stands in Great Smoky Mountains National Park, U.S.A..*

3:00 Amy Hessel*, West Virginia University; Peter Brown, Rocky Mountain Tree-Ring Research, Inc.; Baatarbileg Nachin, National University of Mongolia; Neil Pederson, Eastern Kentucky University; Tom Saladyga, West Virginia University; Byambagerel Suran, National University of Mongolia, *Fire History in Mongolia: Placing Current Change in the Context of the Last 400+ Years.*

3:20 Andrew E Scholl*, Wittenberg University; Alan H Taylor, Pennsylvania State University, *Fire history and forest structure of a mixed conifer forest in the Merced river drainage, Yosemite National Park.*

3:40 Lisa B. LaForest*, University of Tennessee, Knoxville; Henri D. Grissino-Mayer, Ph.D., University of Tennessee, Knoxville; Charles W. Lafon, Ph.D., Texas A&M University; William T. Flatley, Texas A&M University, *Fire History and Stand Dynamics of Xeric Mixed Hardwood/Pine Forests, Great Smoky Mountains National Park, Tennessee, U.S.A..*

2510. Environmental Change in the Western Cordillera of North America (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Katrina Moser, University of Western Ontario;

Scott Starratt, United States Geological Survey

CHAIR(S): Katrina Moser, University of Western Ontario

2:40 Glen M. MacDonald*, UCLA, *Sensitivity of Southern California and Sierra Nevada Hydroclimatology to Variations in Pacific Ocean SST's at Multiple Temporal Scales.*

3:00 Kelli J Hoover*, Dept. of Geography, University of Nevada, Reno; Simon Poulson, Ph.D., Dept. of Geology, University of Nevada, Reno; Franco Biondi, Ph.D., Dept. of Geography, University of Nevada, Reno; S. Jeffrey Underwood, Ph.D., Dept. of Geography, University of Nevada, Reno; Nevada State Climatologist, *Eco-hydrological pathways inferred from stable isotopes in a Pinus ponderosa and Pinus monophylla woodland of the Sheep Range, southern Great Basin, USA.*

3:20 Scott Starratt*, United States Geological Survey; David Wahl, United States Geological Survey; Elmira Wan, United States Geological Survey; Lysanna Anderson, Stanford University; James Wanket, California State University, Sacramento; Holly Olson, United States Geological Survey; Thomas Lloyd-Davies, United States Geological Survey; Jennifer Kusler, California State University, Sacramento, *Holocene Paleoenvironment of the North-Central Great Basin: The Continuing Story from Favre Lake, Northern Ruby Mountains, Nevada.*

3:40 Elizabeth J Hundey*, University of Western Ontario; Katrina A Moser, University of Western Ontario; Neal Michelutti, Queens University, *Changes in productivity in high elevation lakes in the Uinta Mountains, Utah.*

4:00 Deanna Renee Halseth*, University of Utah; Katrina Moser, PhD, University of Western Ontario; Rick R Forster, PhD, University of Utah; Andrea R Brunelle, PhD, University of Utah, *A Paleolimnological and Historical Investigation of Environmental Change in East Canyon Reservoir, Utah 1920-2004.*

2511. Application of Remote Sensing in Land Surface Hydrological Studies (Sponsored by Spatial Analysis and Modeling Specialty Group, Remote Sensing Specialty Group, Water Resources Specialty Group)

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Hongbo Su, Chinese Academy of Sciences

CHAIR(S): Hongbo Su, Chinese Academy of Sciences

2:40 Hongbo Su*, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; Jing Tian, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; Shaohui Chen, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; Renhua Zhang, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; Yuan Rong, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences; Jun Xia, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, *Retrieval of Regional Terrestrial Evapotranspiration in China.*

2512. Qualitative Geography: Retrospective and Prospects (Sponsored by Qualitative Research Specialty Group)

Room: Park Tower 8206, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Deborah G. Martin, Clark University; Susan P. Mains, University of the West Indies-Mona

CHAIR(S): Deborah G. Martin, Clark University

Introducer: Susan P. Mains

Panelists: Meghan Cope, University of Vermont

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2513. 'There Goes The (Neighbour)'Hood': Universities, Local Communities and Urban Change (Sponsored by Socialist and Critical Geography Specialty Group)

- Room:** Park Tower 8209, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Darren Paul Smith, University of Brighton; Eliot Tretter, University of Texas - Austin
CHAIR(S): Phillip Hubbard, Loughborough University
2:40 Eliot M Tretter, PhD*, University of Texas - Austin, *The Entrepreneurial University: The Expansion of University of Texas and the Fate of the Blackland.*
3:00 Carrie Elizabeth Menendez*, University of Illinois at Chicago, *The Transformatory Role of Urban Research Universities: A Survey of University Partnerships for Development.*
3:20 Hilda E Kurtz, PhD*, University of Georgia, *Reflections on a University-community collaboration for improved community food access.*
3:40 William Richards*, University of Virginia, *Architecture's Communards at Columbia.*
4:00 MANDY CURTIS*, *Retheorising Student Identities: New Experiences, Lifecourses and Relations.*

2514. Biophysical influences on environmental health problems and infectious diseases II (Sponsored by Health and Medical Geography Specialty Group, Climate Specialty Group)

- Room:** Park Tower 8210, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Christopher K. Uejio; James Tamerius, University of Arizona
CHAIR(S): James Tamerius, University of Arizona
2:40 Cory Morin*, University of Arizona; Andrew C Comrie, PhD, University of Arizona, *Climate Dependent Risk of Dengue Fever Infection in the Southern United States and the Tropical Americas.*
3:00 Elia Axinia Machado*, Clark University, *Dengue fever in Mexico (1999-2006): trends and socio-ecological factors.*
3:20 Korine Kolihras*, Virginia Tech; Candice Luebbing, Virginia Tech; James Campbell, Virginia Tech; Pang Du, Virginia Tech; Eric Smith, Virginia Tech; David Gaines, Virginia Department of Health, *Lyme Disease Emergence and Environmental Variability in Virginia.*
3:40 Andrew C. Comrie*, University of Arizona; James Tamerius, University of Arizona; Mary F Glueck, University of Arizona; Stephen R Yool, University of Arizona, *Validation of the Grow and Blow Hypothesis for Climate Control of Valley Fever in Arizona.*
4:00 Adam J Kalkstein, Ph.D.*, United States Military Academy, *A New Way to Evaluate Heat-Related Mortality.*

2515. Crime Modeling and Mapping (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

- Room:** Park Tower 8212, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Michael Leitner, Louisiana State University
CHAIR(S): Charlie Haifeng Zhang, University of Louisville
2:40 Marie Trotta*, University of Liege; Jean-Paul Kasprzyk, University of Liege; Jean-Paul Donnay, University of Liege, *Reconstitution of the journeys to crime and location of their origin in the context of a crime series. A solution for a real case study.*
3:00 John Derek Morgan*, Florida State University, *Time Geography and the Challenge of Mobility in Crime Mapping.*
3:20 Xinyue Ye*, Bowling Green State University; John Miller, Sam Houston State University; Daniel Mabrey, University of New Haven, *Exploratory Space-Time Analysis of Terrorism Attacks.*
3:40 Ellen Shiau, University of Southern California; Bryce

Lowery, University of Southern California; David Sloane, University of Southern California; Karen Hennigan, University of Southern California; Jacqueline W. Mills*, California State University Long Beach, *Mapping Youth Fear in Los Angeles Gang Neighborhoods: Managing Methodological Uncertainties.*

- 4:00** Charlie Haifeng Zhang, Ph.D*, University of Louisville, *Mapping repeat robbery victimization in metropolitan areas.*

2516. Time and Innovation I: Making New, Taking Hold, Falling Apart...in Practice

- Room:** Park Tower 8216, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Elizabeth Johnson, University of Minnesota - Minneapolis; Christian Anderson, The City University of New York - Graduate Center
CHAIR(S): Jesse Goldstein, City University of New York
2:40 Christian Anderson*, The City University of New York - Graduate Center, *Everyday practice as infrastructure for . . .*
3:00 Elizabeth R. Johnson*, University of Minnesota - Minneapolis, *of Jellyfish and Oilfields: Reverse engineering in the political present.*
3:20 Harlan Morehouse*, University of Minnesota - Dept. of Geography, *Affinity and Survival at the Edge of Politics.*
3:40 Allison Hui*, Lancaster University, *Innovative careers of leisure: novelty through the lens of practice theory.*
Discussant(s): Bruce Braun, University of Minnesota - Minneapolis

2517. Remote Sensing and GIS for Coastal Research and Management (Sponsored by Geographic Information Science and Systems Specialty Group, Coastal and Marine Specialty Group, Remote Sensing Specialty Group)

- Room:** Park Tower 8219, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Xiaojun Yang, Florida State University; Luoheng Han, University of Alabama
CHAIR(S): Thomas Richard Allen, East Carolina University
2:40 Hongxing Liu*, University of Cincinnati; Haibin Su, University of Cincinnati; Lei Wang, Louisiana State University; Anthony Filippi, Texas A&M University; Will Heyman, Texas A&M University, *Derivation of bathymetric information for coastal waters by applying locally adaptive inversion model to multispectral satellite imagery.*
3:00 Joanne Halls*, UNC Wilmington, *A Geospatial Comparison of Shoreline Erosion, Island Topography, and Land Cover at Selected Sites in North Carolina.*
3:20 Keqi Zhang*, Florida International University, *Analysis of Impacts of Sea Level Rise on the South Florida Using LiDAR DTM.*
3:40 Thomas R. Allen*, East Carolina University; Stephen Sanchagrin, East Carolina University, *Linking Storm Surge Modeling and GIScience.*

2519. In These Tough Economic Times (ITTET): Analyzing Recession Geography II (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)

- Room:** Thomas Paine, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Rachel S Franklin, University of Maryland, College Park
CHAIR(S): Marc J. Perry, U.S. Bureau Of the Census
2:40 Rachel S Franklin*, University of Maryland, *The Geography of Geography: An Analysis of Academic Geography Employment Postings in the United States, 1990-2009.*

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- 3:00** Anne E Green*, IER, University of Warwick, *The uneven labor market impacts of the recession in the UK.*
- 3:20** Jurgen Essletzbichler*, University College London, *Resilience of US metropolitan areas during recessionary periods.*
- 3:40** Kris Bezdecny*, University of South Florida, *Recession and the Shifting Dynamics of U.S. Urban Theming.*
- 4:00** Marc J. Perry*, U.S. Bureau Of the Census; Caleb M Miller, U.S. Bureau of the Census, *Recent Changes in Gross Domestic Migration Flows for Counties and Metro Areas: 2004 to 2009.*

2520. Geographies of Media VIII: Geographies of Consumption (Sponsored by Cultural and Political Ecology Specialty Group, Communication Geography Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

- ORGANIZER(S): James Craine, California State University Northridge; Christina Dando, University of Nebraska-Omaha
- CHAIR(S): Christina Dando, University of Nebraska-Omaha
- 2:40** M Marian Mustoe, Ph.D.*, Eastern Oregon University, *From the Land of Sky Blue Labels.*
- 3:00** Robert R. Klein, PhD Student*, The Ohio State University, *Music knowledge communities: lessons from temporary events in Los Angeles and Columbus, Ohio.*
- 3:20** Ronald A. Davidson*, California State University, Northridge; James Craine, Ph.D., California State University, Northridge, *See Your West: Standard Oil Markets Manifest Destiny.*
- 3:40** Vincent J. Del Casino*, California State University, Long Beach, *Having Tea with The Lorax: A Wide-Ranging Conversation about Nature-Society Relations and the Role of Children's Literature in the (Co)Production of Geographic Knowledge.*
- 4:00** Christina Dando*, University of Nebraska-Omaha, *Landology: A Visual Lexicon of Plains Marketing, 1880-1930.*

2521. Global Change and Caribbean Vulnerability (1): Land, Livelihoods and Landscapes

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

- ORGANIZER(S): David Barker, University of the West Indies; David Miller
- CHAIR(S): David Barker, University of the West Indies
- 2:40** Douglas W. Gamble*, University of North Carolina - Wilmington, *Climate change, drought, and Jamaican agriculture: Local knowledge and the climate record..*
- 3:00** Donovan Campbell, Department of Geography & Geology, University of the West Indies; David Barker*, University of the West Indies, *Climate change and adaptation in Jamaica's agriculture: Farmers' perceptions of changing weather patterns in different agro-ecological zones.*
- 3:20** Carlos Cameron Michel*, University of the West Indies, *Negotiating Tourism Development in a World Heritage Site: Local Perspectives from the Pitons Management Area in Saint Lucia.*
- 3:40** Joyelle T Clarke*, The University of the West Indies, *Livelihoods in Transition: From Sugar to Tourism: Economic Change and Environmental Vulnerability in St. Kitts.*
- 4:00** Clinton L Beckford*, University of Windsor, *Farmers' reality counts: Small-scale farmers traditional wisdom and minisett yams in Jamaica.*

2522. Cognitive Geography (Sponsored by Cartography Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

- ORGANIZER(S): Scott M. Freundschuh, University of Minnesota
- CHAIR(S): Scott M. Freundschuh, University of Minnesota
- Introducer: Scott M. Freundschuh
- 2:45** Alexander Klippel*, Penn State, *Topological Equivalence Classes: Searching for the Rosetta Stone of Spatial Cognition.*
- 3:05** William H. Warren, Ph.D.*, Brown University, *The Geometry of Spatial Knowledge for Human Navigation.*
- 3:25** Amy Lobben*, University of Oregon; Megan Lawrence, University of Oregon, *Behavioral Performance and Neural Patterns Associated with Rotation of Map and Geometric Displays.*
- 3:45** James Lackner*, Brandeis University, *"On Being Grounded".*
- Discussant(s): Scott M. Freundschuh, University of Minnesota

2523. 'Manufacturing' Capitalism and 'New' Economic Geographies of Production (Sponsored by Economic Geography Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)

- ORGANIZER(S): John Bryson, University of Birmingham; Tara Vinodrai, University of Waterloo
- CHAIR(S): Vida Vanchan, Buffalo State College
- Introducer: John Bryson
- Panelists: Dominique Moran, University of Birmingham; Jennifer Clark, Georgia Institute of Technology; Ronald V. Kalafsky, University of Tennessee; Tara Vinodrai, University of Waterloo; Vida Vanchan, Buffalo State College

2526. Law and Geography: Examining Intersections of Theory and Application within Legal Geography

Room: Jackson, Marriott, Mezzanine Level (Panel Session)

- ORGANIZER(S): Melinda Harm Benson, University of New Mexico
- CHAIR(S): Carl J Bauer, University of Arizona
- Panelists: Carl J Bauer, University of Arizona; Nicholas Blomley, Simon Fraser University; Hari Osofsky, Washington & Lee University School of Law; J.B. Ruhl, Florida State University; John Carr, University of New Mexico; Melinda Harm Benson, University of New Mexico

2527. Experiencing Smaller Cities/Towns in Canada: Immigrants finding their place I (Sponsored by Rural Geography Specialty Group, Canadian Studies Specialty Group, Ethnic Geography Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

- ORGANIZER(S): Claire Major; Cheryl Sutherland, Queen's University
- CHAIR(S): Cheryl Sutherland, Queen's University
- 2:40** Sara Beth Keough, Ph.D.*, Saginaw Valley State University, *Keeping It Local: The Influence of Newfoundlanders on the Ft. McMurray Radio Market.*
- 3:00** Ian MacLachlan*, University of Lethbridge; Ivan Townshend, University of Lethbridge; Wei XU, University of Lethbridge, *Immigration as a Component of Population Change in Alberta's Second and Third-Tier Cities.*
- 3:20** D. James McLean*, York University, *Picturing/Placing Belonging: Perspectives from Muslims in Halifax.*
- 3:40** Shamarukh Bhuiyan*, Memorial University of Newfoundland; Kelly Vodden, Dr., Memorial University of Newfoundland, *Immigration to the City of St. John's: The Bangladeshi Experience.*

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- 2528. Cross-cultural issues in geographic scholarship: Russia-US collaboration in geographic research (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: Johnson, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Andrey N Petrov, University of Northern Iowa
 CHAIR(S): Andrey N Petrov, University of Northern Iowa
 Introducer: Megan Dixon
 Discussant(s): Timothy Edmund Heleniak, University of Maryland; Stanley D. Brunn, University of Kentucky
 Panelists: Andrey N Petrov, University of Northern Iowa; Alexander Alekseev, Moscow State University; Gennady Fedorov, Immanuel Kant State University of Russia; Vera Kuklina, Institute of Geography SB RAS

- 2529. Climate Adaptation, Landscapes, and Institutions (CALI) II (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan
 CHAIR(S): Karl S. Zimmerer, Penn State University
2:40 Arun Agrawal*, University of Michigan, *Imagined Landscapes*.
2:55 Robin Mearns, PhD*, World Bank, *Climate Adaptation or Adaptable Livelihoods? Environmental Entitlements Revisited*.
3:10 Jeff Baldwin*, Sonoma State University, *Partnering with Beaver as a Strategy to Mediate Climate Change Related Water Insecurity in the Western United States*.
3:25 Ravic Nijbroek*, University of South Florida, *Rising Sea Levels and Sea Walls: Community-Level Adaptations and International Funding Priorities in Coastal Suriname*.
 Discussant(s): Pamela D. McElwee, Arizona State University

- 2530. Climate Change and Cities: Impacts and Adaptation Options**
Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Matthias Ruth, University of Maryland
 CHAIR(S): Matthias Ruth, University of Maryland
 Introducer: Matthias Ruth
3:00 Heejun Chang*, Portland State University; Lily House-Peters, Portland State University; Sarah Praskievicz, University of Oregon, *Climate change and water demand in the Portland metropolitan area*.
3:20 Anthony J. Brazel*, Arizona State University, *Mitigating and adapting to heat islands under a warming climate in Phoenix, Arizona*.
3:40 Andrew Blohm*, Center for Integrative Environmental Research-University of Maryland; Pranav Vaidya*, Center for Integrative Environmental Research-University of Maryland, *Temperature-mortality Relationships in Urban Areas: Methods and Applications to Boston, Massachusetts and Baltimore, Maryland, USA*.
4:00 David R. Rain*, The George Washington University; Ryan Engstrom, The George Washington University; Christianna Ludlow, The George Washington University; Sarah Antos, World Health Organization, *Approaching Climate Impacts on Coastal African Cities: The Case of Accra*.

- 2531. Human Rights 101 for Geographers**
Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Douglas Richardson, Association of American Geographers
 CHAIR(S): Douglas Richardson, Association of American Geographers
 Panelists: Douglas Richardson, Association of American Geographers; Margaret Huang, Rights Working Group; Jessica Wyndham, AAAS Science and Human Rights Program
 Description: The Workshop will address the meaning of human rights, the background to the international human rights regime, and how human rights are enforced. Participants will gain and understanding of key human rights concepts and principles necessary for robust engagement by geographers.

- 2534. The Gilbert F. White Award Symposium: Longitudinal Study: The Impact of a Comprehensive Emergency Management System on Disaster Response in The Commonwealth of The Bahamas (Sponsored by Hazards Specialty Group)**
Room: Taft, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Deborah Thomas, University of Colorado Denver
 CHAIR(S): Deborah Thomas, University of Colorado Denver
 Discussant(s): Burrell E. Montz, East Carolina University; John A. Cross, University of Wisconsin-Oshkosh; Johanna L Ostling, Texas State University - San Marcos
 Panelists: Erin Hughey, Pacific Disaster Center, University of Hawaii

- 2535. Gail Hobbs Student Paper Competition 1 (Sponsored by Geography Education Specialty Group)**
Room: Taylor, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Herschel Stern, Miracosta College
 CHAIR(S): Herschel Stern, Miracosta College
2:40 Larry Kleitches, Texas Alliance for Geographic Education*, *Texas State University-San Marcos, Is the grass greener? The manifestation of Canadian geographic education*.
2:56 Angela Wranic, Ph.D. student*, Texas State University, San Marcos, *Technology use in the Geography Classroom: Development of a Composite Learning Object and Assessment of Student Learning Outcomes*.
3:12 Catherine W. Cooper*, Texas State University-San Marcos, *Mapping Maryland Geographic Standards to the National Standards*.
3:28 Minsung Kim*, Texas A&M University, *GIS Education for Teachers in South Korea: Who Participates and Why?*.
3:44 Andrei Israel*, The Pennsylvania State University, *What Geography Educators Can Learn From Place-based Education, and Vice-versa*.
 Discussant(s): David J Rutherford, University of Mississippi

- 2536. Economic Geography and Labor Issues**
Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Paramita Sen, CUNY
2:40 Annelies Goger, M.C.P.*, UNC Chapel Hill, *Going Beyond: Reworking Ethical Spaces in the Sri Lankan Garment Industry*.
3:00 Jason Rhodes, Ph.D student*, Department of Geography, University of Georgia, *Monuments to Malthus?: Unproductive Labor & the Landscapes of Capitalism*.
3:20 Thomas H. Estabrook*, University of Massachusetts-Lowell, *Green Jobs and Worker Safety: Opportunities and Challenges for Social Movement Building Against the Corporate Safety Apparatus*.

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3:40 Agostino Mantegna*, UCLA, *Skill Profiles of Low Wage Occupations in the US Metropolitan Areas.*

4:00 Paramita Sen, PhD candidate*, CUNY; Paramita Sen, CUNY; Paramita Sen, PhD student, CUNY, *Informal economy and women in a neoliberal era of a developing country.*

2538. GIS-Based Impact Assessment and Analysis I

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jennifer Glaubius, SIU Edwardsville

2:40 Ursula Garfield*, United States Geological Survey, *Potential Human Impacts on Atlantic Sturgeon Habitat..*

3:00 Jinwon Kim*, Michigan State University; Sanghoon Kang, Michigan State University; Sarah Nicholls, Michigan State University, *A Critical Analysis of the Impacts of Tourism Policy in South Korea using Geographic Information Systems (GIS).*

3:20 Young Sook Noh*, Oak Ridge National Laboratory, *Impact on the High-density Hospital Population in an Emergency Situation.*

3:40 Jennifer Glaubius*, SIU Edwardsville, *Examining the Effects of Post-Emplacement Processes on Surface Artifact Distribution in Messenia, Greece.*

2539. Abrupt Change, Scale, 'Collapse' 3: Adaptation, Resilience and Vulnerability (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Latin America Specialty Group)

Room: Thurgood Marshall WEST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Karl W. Butzer, University of Texas - Austin; Georgina Endfield, University of Nottingham

CHAIR(S): Andrew Dugmore, University of Edinburgh

2:40 Georgina Hope Endfield, Dr*, University of Nottingham, *Triggers, tipping points or 'background noise?': reconsidering climate and environment in societal collapse.*

3:00 Paul F. Hudson*, University of Texas at Austin, *Fluvial complexity and the importance of local-scale factors in the management of global environmental change: A lowlands perspective from the Dutch Rhine.*

3:20 Gabriel L Judkins, Dr.*, University of Nevada Las Vegas; Marissa Smith, Arizona State University; Eric Keys, Dr., University of Florida, *Land-degradation in Produce Agriculture: A Hybrid Ecological Approach to Understanding Human-Environment Interactions.*

Discussant(s): Karl W. Butzer, University of Texas - Austin

2540. Author Meets Critics: George Lin's Developing China: Land, Politics and Social Conditions (Sponsored by China Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Carolyn Cartier, University of Technology, Sydney

CHAIR(S): Carolyn Cartier, University of Technology, Sydney

Introducer: Carolyn Cartier

Panelists: Cindy Fan, UCLA; Alana Boland, University of Toronto; Daniel Buck, University of Oregon; You-tien Hsing, University of California at Berkeley; George Lin, University of Hong Kong

2541. Institutional Perspectives on Broadening Participation and Enhancing Diversity in Higher Education (Sponsored by Association of American Geographers)

Room: Tyler, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Patricia Solís, Association of American Geographers; Amy Glasmeier, Pennsylvania State University

CHAIR(S): Rickie Sanders, Temple University

Introducer: Patricia Solís

Discussant(s): Rickie Sanders, Temple University

Panelists: Robin Shaffert, American Association of People With Disabilities (AAPD); Ines Cifuentes, American Geophysical Union; Marcus Kolb, Lumina Foundation for Education; Felice Levine, American Educational Research Association; Gwendolyn Puryear Keita, American Psychological Association; Shirley Malcom, American Association for the Advancement of Science

2542. Building regional and local resilience: Between theory and policy practice

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

ORGANIZER(S): Arnoud Lagendijk

CHAIR(S): Henry Wai-chung Yeung, National University of Singapore

Panelists: Andy Pike, CURDS, Newcastle University; Susan M. Christopherson, Cornell University; Ann Markusen, University of Minnesota; Paivi Oinas, Erasmus University, Dept. of G; Robert Hassink

2543. Urban Agriculture in the Global North II: Integrating Perspectives from Planning, Public Health, and Political Economy (Sponsored by Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group, Applied Geography Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Nathan C. McClintock, University of

California, Berkeley; Alexander Tarr, UC Berkeley Geography

CHAIR(S): Alexander Tarr, UC Berkeley Geography

2:40 Luke Drake*, University of Miami, *Community garden emergence in Miami, Florida.*

3:00 Nathan McClintock*, University of California, Berkeley, *Looking for Lead in All the Wrong Places: Assessing Heavy Metals at Potential Urban Farming Sites in Oakland, California.*

3:20 Carolin Mees*, Institute of Architecture and Landscape, Graz Technical University; Edie Stone*, GreenThumb, New York City Department of Parks and Recreation, *Urban public gardens for New York City: The context of housing, food production and commonly managed open spaces for a city's development.*

3:40 K. Renee Roy, Phd Candidate, City and Regional Planning*, University of California, Berkeley, *Negotiating Forces of Nature and the City: A Commodity Systems Approach to Urban Agriculture in Pittsburgh, PA..*

Discussant(s): Gerda R. Wekerle, York University

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2544. GIS for the Development of Digital Historical Gazetteers II

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

ORGANIZER(S): Program Committee

CHAIR(S): David Germano, University of Virginia

2:40 David Germano*, University of Virginia, *The Tibetan and the Himalayan Library - A Geographically Based Digital Library*.

3:00 Youcheol KIM, 90048284*, Yonsei University; Jonghyuk KIM*, *Developing a Historic Gazetteer Management System based on River basin*.

3:20 Linda Watson*, The University of Alabama; Audrey R Miller, The University of Alabama, *Emergent Technologies and the Evolution of Digital Gazetteers: A Chronological Perspective of Adaptation in Toponymic Research*.

3:40 Robert Hibberd*, Idaho State University History Department; J.B. Owens, Ph.D, Idaho State University History Department, *Building a digital historical gazetteer and tracking Iberian place name changes between the first and second global ages*.

4:00 Barry J. Glick*, smartRealm LLC; Yaser Bishr, smartRealm LLC; Stephane Fellah, smartRealm LLC, *Constructing Semantic Gazetteers: Managing GeoSpatial Vocabularies Using Open Semantic Web Standards*.

2545. Topics in GIS and Spatial Analysis

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kenneth Robertson, Central Michigan University Allison Wagner*, Sarah Zika, *Potential Impact from Failure of the Anderson Dam of Morgan Hill, California*.

Susan J. Bergeron*, West Virginia University, *It's All About the Journey: the role of spatial narrative in the experience of immersive virtual world simulations*.

Ben Weinstein*, University of Richmond; Kim Klinker, University of Richmond, *An Analysis of the Diversity and Conservation Importance of Amazon Borderlands Using Geographic Information Systems*.

Sabrina C Lopez*, University of Vermont; David Lucero*, University of Vermont, *Geographic and Genetic Examination of Chagas Disease Vectors in Bolivia*.

Rita Ismayilova, PhD*, Republican Anti-Plague Station, Azerbaijan; Rakif Abdullayev, PhD, Republican Anti Plague Station, Azerbaijan; Zaur Mahyaddinov, MS, Public Health Reform Center, Azerbaijan; Narmin Ustun, PhD, Republican Anti Plague Station, Azerbaijan; Ayden Talibzade, PhD, Republican Anti Plague Station, Azerbaijan; Ian Kracalik, MS, University of Florida; Jason K Blackburn, PhD, University of Florida, *Spatio-temporal clustering human Anthrax outbreaks in Azerbaijan, 1937 - 1998, using SaTScan*.

Lauren A Kimbrell*, Student; Francis Koti, University of North Alabama, *Utilization of Geospatial Technologies at City Level for Optimal Site Location*.

Joshua Stevens*, Michigan State University; Kirk Goldsberry, Michigan State University, *Nutritional Terrain Mapping and Produce Accessibility in Lansing, MI*.

Hua Wei*, University of Maryland, *Automated Semantic Integration of Land-Cover/Land-Use Classification Systems*.

Jessica Beres*, Marshall University; Anupma Prakash, PhD, University of Alaska Fairbanks; Rudi Gens, PhD, University of Alaska Fairbanks; Nicole Mölders, PhD, University of Alaska Fairbanks, *Comparison of WRF Model Outputs and MODIS Image Products for Cloud Presence for the High Latitudes: A Case Study*.

Melanie A. Jonas, Master's student*, Illinois State University; Sabine S. Loew, Associate Professor, Illinois State University; John C. Kostelnick, Assistant Professor, Illinois State University; Julian C. Kerbis Peterhans, Chicago Field Museum, Roosevelt University, *Fluctuating asymmetry as an indicator of habitat degradation across the Albertine Rift of East-Central Africa*.

Zachary Stuart Little*, GIS/Human Geographer; Jeong C. Seong, GIS/Remote Sensing Professor, Advisor/ Project Leader; Zachariah N Gubran, GIS/Human Geographer, *2007 Georgia Wildfire*.

Lloyd A. Edwards*, Appalachian State University; Christopher A. Badurek, Appalachian State University; Jeffrey D. Colby, Appalachian State University, *Assessment of RLCM for Creating High Resolution LULC Data for Monitoring Rural-Exurban Change*.

Mbongowo Joseph Mbuh, Ph.D Candidate*, Texas Tech University; Mathew Baddock, Ph.D, Wind Erosion & Water Conservation Research Unit, USDA-ARS, Lubbock, TX, USA; Jeffrey Lee, Ph.D (Professor of Geography), Texas Tech University; Thomas Gill, Ph.D (Associate professor in geology), Environmental Science & Engineering, University of Texas- El Paso, El Paso, TX, USA; Sam Whitehead, Ph.D candidate, Texas Tech university, *Spatial and temporal variability of atmospheric dust sources on the Southern High Plains from 2001 to 2009 using MODIS Satellite imagery*.

Chad Pyles*, Marshall University, *A Spatial Analysis of Violent Crime and Alcohol in Huntington, WV*.

Nataliya Vydayko, MD*, Central Sanitary-Epidemiological Station of Ministry of Health of Ukraine; Lyubov Nekrasova, PhD, Central Sanitary-Epidemiological Station of Ministry of Health of Ukraine; Victor Svyta, MD, Central Sanitary-Epidemiological Station of Ministry of Health of Ukraine; Olga Gubar, MD, Central Sanitary-Epidemiological Station of Ministry of Health of Ukraine; Alexander Zykov, PhD, Central Sanitary-Epidemiological Station of Ministry of Health of Ukraine; Jason K Blackburn, PhD, University of Florida, Gainesville, *Mapping and Geographic Modeling of Tularemia in Ukraine*.

Robert J. J Legg, PhD*, Northern Michigan University; Nazzareno Diodato, PhD, MetEROBS Monte Pino Met European Research Observatory, GEWEX-CEOP Network, World Climate Research Programme, *Comparison of spatial modeling for climate inputs in the Mediterranean Region using limited data*.

Ruojing Wang*, Texas State University - San Marcos, Department of Geography; Yongmei Lu, Texas State University - San Marcos, Department of Geography; Xianhua Cai, Southeast University, Transportation College, Department of Geographic Information System, *Evacuation Simulation for Large-scale Assembly*.

Phil Hagee*, Wittenberg University; Taylor Hafley, Wittenberg University; Olga Medvedkov, Wittenberg University, *Foreclosure Analysis in Springfield, Ohio: A GIS Approach (part 1): race and income*.

Taylor Hafley*, Wittenberg University; Phil Hagee, Wittenberg University; Olga Medvedkov, Wittenberg University, *Foreclosure Analysis in Springfield, Ohio: A GIS Approach (part 2): condition and land use*.

Ray A Yeager*, University of Louisville, *Geographic Analysis of Healthy Food Access*.

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Anna G. Kladzyk*, Harold Washington City College; Liliana Marin, Physical Science Department, Harold Washington City College, *The Bloomingdale Trail: A Comprehensive Urban Representation in GIS*.

Ada R Warren*, Texas Tech University; Lucia S Barbato, GISP, Texas Tech University; Kevin R Mulligan, Texas Tech University, *Analysis of Precipitation and Saturated Thickness in the Texas Ogallala Aquifer*.

Sijie Yang*, Department of International Development, Community, and Environment, Clark University, Worcester, MA 01610; Henry N.N. Bulley, Graduate School of Geography, Clark University, Worcester, MA 01610; Timothy Downs, Department of International Development, Community, and Environment, Clark University, Worcester, MA 01610; Peter Coffin, Blackstone Headwater Coalition, Worcester, MA 01607; Donna Williams, MassAudubon - Broad Meadow Brook Sanctuary, Worcester, MA 01607, *GIS-based Assessment of the Impact of Impervious Surfaces on Storm Water Runoff in Broad Meadow Brook Sub-watershed*.

Christopher M Hilferty*, Central Washington University, *Geospatial Assessment of Non-Point Pollution in Small Coastal Watersheds and Effects on Shellfish Habitats in the Puget Sound*.

Astrid Suarez Gonzalez*, Western Kentucky University; Arturo Quintanar, Western Kentucky University, Kentucky Climate center; Rezaul Mahmood, Western Kentucky University, Kentucky Climate Center; Adriana Beltran; Roger Pielke, *Sensitivity of Planetary Boundary Layer to Varying Volumetric Soil Moisture*.

Yingzi Yang*, *NOFUND Dynamic Location Based on Land Change Prediction*.

Emily K. Smith*, PhD, Graduate Student, Department of Geography, Virginia Tech; Laurence W. Carstensen, Professor and Head, Department of Geography, Virginia Tech, *Digital Elevation Models, a Comparison of High Accuracy GPS and LiDAR Elevation Datasets*.

Sarah Tedrow-Azizi*, Johns Hopkins University, *A Spatial Analysis of Women's Access to Abortion Services in the United States*.

April Strait*, Department of Geography, University of North Alabama; Lisa D Keys Mathews, Ph. D., Department of Geography, University of North Alabama; Craig T. Robertson, Ph. D., Department of Sociology, University of North Alabama, *Identify Theft, Routine Activities Theory, and Socioeconomic Characteristics: A Synergy of Concepts through Spatial Statistics*.

Steven P. Ericson*, Oklahoma State University, *A Multi-Variate Regression Analysis of High School Girls' Lacrosse in the Southeastern United States*.

Arthur Elmes*, West Virginia University; Timothy Warner, Ph. D., West Virginia University; Rick Landenberger, Ph. D., West Virginia University; Jamison Conley, Ph. D., West Virginia University, *Modeling the Spread of *Ailanthus altissima* using Remotely Sensed Data and Agent-Based Modeling*.

Kenneth Robertson*, Central Michigan University, *Identifying Sources of Phosphorus in the Huron River*.

3:20 J. M. Pogodzinski, Ph.D*, San Jose State University, *Economic Geography of Workforce Development in the Biotechnology Industry*.

3:40 Mário Vale*, University of Lisbon; Luís Carvalho, Erasmus University Rotterdam, *Territorial Dynamics of Knowledge Networks: Exploring the Portuguese Biotechnology*.

2547. Certain subjects? Constructing identities, personalities and personas from the archive 2 (Sponsored by Historical Geography Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Cheryl McGeachan

CHAIR(S): Cheryl McGeachan

2:40 Eric Olund*, University of Sheffield, *Skirting the Subject*.

3:00 Gentry Powell Hanks*, Louisiana State University, *An Ephemeral Archive, Every Saturday at Seven: Opening spaces for alternative sites and 'collections' of knowledge*.

3:20 Tamar Y. Rothenberg*, Bronx Community College of the City University of New York, *Do I Know You? Reconstructing Lives from Paper*.

3:40 Lois Jones*, University of St Andrews, *'The Lewis of the East': Ceylon under J. A. Stewart Mackenzie*.

2548. Fluvial Geomorphology III (Sponsored by Geomorphology Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Inci Guleralp, Texas A&M University; Peng Gao, Syracuse University

CHAIR(S): Robert T. Pavlowsky, Missouri State University

2:40 Stephani Michelsen-Correa*, University of Oregon, *Habitat diversity and disturbance on a salmon bearing stream, Middle Fork John Day River, OR*.

3:00 Elizabeth Ellison*, Miami University, *The effects of land use change on modern bankfull channel geometry in Southwest Ohio*.

3:20 Benjamin M Young*, Missouri State University; Robert T Pavlowsky, Missouri State University, *Floodplain Storage and Release of Historical Mining Contaminated Sediment in the Lower Big River, SE Missouri*.

3:40 James Rasmussen*, Kutztown University; Joann Mossa, University of Florida, *Stream Sinuosity and Alluvial Cutoff Clusters in Southeastern Mississippi, USA*.

4:00 Keith I. Yearwood, Doctoral Student*, University of Florida, *Dam Closure and Channel Migration Response, Oconee River, Georgia*.

2549. Topics in Human and Regional Geography

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xiaoguang Wang, University of Michigan

2:40 Katherine Christine Malpeli*, United States Geological Survey, *The Physical and Cultural Geographies of West African Diamonds*.

2:45 Sara Marks*, Stanford University; Jenna Davis, Stanford University, *Sense of ownership and water system sustainability in rural Senegal and Kenya*.

2:50 Yulanda Yuh-Chin Hwang*, SUNY College of Environmental Science and Forestry, *Indigenous Museums as a Mechanism for Collaboration between Indigenous Peoples and Western Researchers: A Case Study of the Etowah Indian Mounds, Cartersville, Georgia*.

2:55 Rebecca Marchand*, University of New Orleans, *Impacts of plastic pollution on marine life in the Pacific Ocean*.

2546. Economic Geography: Work Force Development

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mário Vale, University of Lisbon

2:40 Jon Moore, Ph.D*, University of Akron, *The Urban Politics of Biomedical Economic Development in Northeast Ohio*.

3:00 Der-Shiuan Lee*, Arizona State University, *Interregional Networks of Co-invention: The Case of Biotechnology*.

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- 3:00** Jacquelyn Marchand*, *Levees, Urbanization and Public Perception: Implications for Southeast Louisiana Wetlands.*
- 3:05** Alexander L. Oberg*, Middlebury College; Peter B. Nelson, Middlebury College, *Exploring the Geography of Rural Gentrification.*
- 3:10** Justyna Goworowska*, U.S. Census Bureau, *The Young, Single, and College Educated: A Historical Perspective, 1970-2000..*
- 3:15** Darryl T. Cohen*, U.S. Bureau Of the Census, *Defining Suburbs: A Place-Based Approach.*
- 3:20** Justin C. Townsend*, University of New Orleans, *Trends in Latin American Terrorism and the Effects on the Indigenous Populations.*
- 3:25** Andy Hilburn*, University of Kansas, *At Tlaxolteotl's Whim? A Look into Solid Waste Management in Rural Southern Mexico.*
- 3:30** Timothy Maxwell Wright*, Clark University; John Rogan, Clark Graduate School of Geography, Clark University; Dominik Kulakowski, Clark Graduate School of Geography, Clark University, *A multi-temporal assessment of forest fragmentation in Massachusetts (USA) using remotely sensed data.*
- 3:35** Xiaoguang Wang*, Central Michigan University, *How Urban Form Influences Driving: Insights from Global Positioning System Data.*
- 2550. The Distinguished Business Geography Scholar Award: Grant Thrall (Sponsored by Business Geography Specialty Group)**
Room: *Lincoln Room 6, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Lawrence E. Estaville, Texas State University; Tony Hernandez, Ryerson University
 CHAIR(S): Lawrence E. Estaville, Texas State University
2:40 Grant Ian Thrall, Ph.D.*, www.thrall.us, *Keynote Address-Business Geography Specialty Group.*
- 2551. Food Systems and Conflict in Latin America**
Room: *Washington Room 1, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Karen Ross, University of Western Ontario
2:40 Benjamin F. Timms*, Cal Poly, *Agricultural Intensification or Extensification in the Celaque Mountains of Honduras? Adjustments to Rural Livelihoods in a Closed Frontier.*
3:00 Karen Ross*, University of Western Ontario, *Small Farmer Innovations to Agro-export Decline in the Eastern Caribbean.*
- 2552. Environmental Equity and Management**
Room: *Washington Room 2, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Mohan B. Dangi, California State University
2:40 Dilys Bowman, PhD*, UNC-Chapel Hill, *Are greenways for everyone? Greenway trail placement in North Carolina towns.*
3:00 Deanna Cox, Student*, California State University - Fresno; Derya Ozgoc-Caglar, Ph.D., CSU Fresno Faculty, *Garbage in the Alleys; How to keep Alleyways Clean in Fresno.*
3:20 Mohan B. Dangi, Assistant Professor*, California State University, Fresno, *Solid Waste Management in Kathmandu, Nepal: A Legacy of Unyielding Failure.*
- 2553. Housing, Equity and Integration**
Room: *Washington Room 3, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Katrin Anacker, George Mason University
2:40 Leonor Vanik, MUPP*, University of Illinois at Chicago, *Breaking down silos: working together towards integrating people with disabilities in Chicagoland.*
3:00 Marti L. Klein*, Saddleback College, *A Tale of Three Neighborhoods: Housing preferences and Chinese-American home buying behavior in Irvine, California.*
3:20 Paul N. McDaniel*, University of North Carolina at Charlotte, *Spatial Analysis of Hispanic and Latino Settlement: Uncovering Ethnic Residential Concentrations in Globally Ascendant Charlotte.*
3:40 Loren Kenda*, The Ohio State University; Mei-Po Kwan*, Ohio State University, *The Spatial Mismatch and Skills Mismatch Hypotheses: A Study of the Columbus Metropolitan Area Using Spatial Interpolation Methods.*
4:00 Katrin Anacker*, George Mason University, *Analyzing Property Values in Male and Female Same-Sex Suburbs.*
- 2554. Economic Geography: Europe**
Room: *Washington Room 4, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Moritz Albrecht, University of Eastern Finland
2:40 Moritz Albrecht*, University of Eastern Finland, *Companies, market relations and forest governance.*
3:00 Peter Dannenberg*, Humboldt University at Berlin, *The Impact of Cross Regional Influences in International Value Chains - The Case of Horticultural Value Chains between Kenya and the EU.*
3:20 Anouk Patel-Campillo*, Cornell University, *(Dis)organizing the Dutch Cut Flower Global Commodity Chain: Accounting for Actor Strategies and Competitive Relations in World Markets.*
3:40 L. Carlos Freire-Gibb*, Aalborg University; Kristian Nielsen, PhD Candidate, Aalborg University, *Urban vs. Rural Entrepreneurs; How important is the geography?.*
4:00 Costa Pedro*, ISCTE/IUL - Lisbon University Institute, *Creative Milieus and Urban Governance: A Typology Based on 10 Case Studies in Lisboa, Barcelona and São Paulo.*
- 2555. Empowerment, Participation, and Gender in Multiple Settings**
Room: *Washington Room 5, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Ekaterina Frolova
2:40 Laura Russ*, UCLA; Lois M. Takahashi, UCLA, *Scalar Factors Explaining Longer-Term Survival of Community-Based Organizations (CBOs) in Ahmedabad, India.*
3:00 Malvika Parmar*, Western Michigan University, *Effective slum redevelopment in developing nations: is neglecting women an option?.*
3:20 Kamal Kapadia*, Environmental Change Institute, University of Oxford, *The politics of empowerment after the tsunami in Sri Lanka: a multi-scalar exploration of agency.*
3:40 Antònia Casellas*, Universitat Autònoma de Barcelona; Antoni F Tulla, Universitat Autònoma de Barcelona; Marta Pallares, Universitat Autònoma de Barcelona, *Doing politics: Women's political participation in rural Spain.*

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4:00 Ekaterina Frolova, MA Gender Studies*, University of Bern, Switzerland, *From insiders to outsiders: Tajik women on the political scene of post-Soviet Tajikistan and the articulation of gendered, religious, and national/ethnic identities.*

2556. Exploring the geography of socio-technical transitions to environmentally sustainable economies: part II (Sponsored by Energy and Environment Specialty Group)

Room: Blue Room, Omni Shoreham (Paper Session)

ORGANIZER(S): Lars Coenen, Lund University, Sweden; Bernhard Truffer, Eawag

CHAIR(S): Bernhard Truffer, Eawag

2:40 Christian Binz*, Eawag, Swiss Federal Institute of Aquatic Science and Technology; Bernhard Truffer, Eawag, Swiss Federal Institute of Aquatic Science and Technology, *Sustainability Transitions in Global Technological Innovation Systems.*

3:00 Ulrich Dewald*, RWTH Aachen University; Bernhard Truffer*, Eawag, *Emerging innovation systems - diffusion of photovoltaic technology in Germany.*

3:20 Kirsten Ulsrud*, University of Oslo, Department of Sociology and Human Geography; Harald Rohrer, IFZ - Inter-University Research Centre for Technology, Work and Culture, *Taking Advantage of Relevant Experiences: A Strategy for South-South Transfer of Social and Technological Innovations.*

Discussant(s): Lars Coenen, Lund University, Sweden

2557. Sustainable Communities 3

Room: Cabinet, Omni Shoreham (Paper Session)

ORGANIZER(S): Alison Blay-Palmer, Wilfrid Laurier University
CHAIR(S): Terry Marsden, Cardiff University

2:40 Bruce A. Scholten, Dr.*, Durham University, UK, *India's cooperative dairying: Pattern for sustainable communities in Africa.*

3:00 Shannon Kornelsen*, Wilfrid Laurier University, *An Apple a Day? The Status of Children's Food Knowledge and Skill in Ontario.*

3:20 Lenore Lauri Newman, PhD*, Royal Roads University; Chris Ling, PhD, Royal Roads University, *Garlic and granola: Food webs and the catchment of farmer's markets from the food producers' perspective..*

2558. A Deeper Sense of Place: New Geographies of Indigenous-Academic Collaboration II (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Calvert, Omni Shoreham (Paper Session)

ORGANIZER(S): Jay T. Johnson, University of Kansas; Soren Larsen, University of Missouri

CHAIR(S): Jay T. Johnson, University of Kansas

2:40 Deborah A McGregor, Dr.*, University of Toronto; Deborah A. McGregor, University of Toronto, *Towards a Paradigm of Indigenous-Academic Collaboration in Geographic Research.*

3:00 Nicole Gombay*, University of Canterbury, *Placing Economies: Lessons from Phenomenological Engagements with Inuit Economics.*

3:20 Tyler McCreary*, York University; Rick Budhwa, Northwest Community College, *Reconciling Indigenous Ontologies with Cultural Resource Management.*

3:40 Katrina Oliveira*, University of Hawaii at Manoa, *The Entitlement of Place: Hawaiian Place Names.*

4:00 Sarah F. Trainor, Ph.D.*, University of Alaska - Fairbanks, *Climate Change Impacts and Adaptation in Alaska: Indigenous Perspectives and University Collaborations.*

2559. Postneoliberal urban futures? (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Capitol, Omni Shoreham (Panel Session)

ORGANIZER(S): Anders Lund Lund Hansen, Lund University; Henrik Gutzon Larsen, University of Aalborg

CHAIR(S): Henrik Gutzon Larsen, University of Aalborg

Introducer: Henrik Gutzon Larsen

Discussant(s): Neil Smith, City University of New York

Panelists: Eric Clark, Lund University; Anders Lund Lund Hansen, Lund University; Guy Baeten

2560. Topics in Water Resources II

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Laura MacDonald, Johns Hopkins University

2:40 Kai Wang*, The Chinese University of Hong Kong; Yongqin Chen, The Chinese University of Hong Kong; Xi Chen, Hohai University, China, *Remote sensing based evapotranspiration mapping in the East river Basin, China.*

3:00 Jacob Petersen-Perlman*, University of Montana, *An Assessment of Municipal Water Rights and Water Systems in the Clark Fork River Basin.*

3:20 Adam Baumgart-Getz, PhD*, US Geological Survey; Linda Stalker Prokopy, PhD, Purdue University, *The Determinants of Best Management Practice Maintenance.*

3:40 Nasser A Alsaaran, Prof.*, King Saud University, *GIS-based spatial estimation and mapping of monthly reference crop water requirements in Saudi Arabia.*

4:00 Laura MacDonald*, Johns Hopkins University, Department of Geography and Environmental Engineering, *Aid efficacy for point-of-use water treatment: A study of selection processes and the factors affecting success.*

2561. Biopolitical Economies I: Biosecurity, Sovereignty and Human/Nonhuman Life (Sponsored by Economic Geography Specialty Group)

Room: Congressional A, Omni Shoreham (Paper Session)

ORGANIZER(S): Maria Fannin, University of Bristol

CHAIR(S): Maria Fannin, University of Bristol

2:40 John R. Allen*, The Open University, *Bio(in)securities at Work: Entanglements of Labour, Life and Biopower.*

3:00 Rosemary-Claire Collard*, University of British Columbia, *Beastly biocapital: live wildlife trade and the politics of animal life.*

3:20 David Nally*, University of Cambridge, *Agribusiness, Corporate Biopower and Regulated Scarcity.*

3:40 Joshua Barkan*, University of Georgia, *The Biopolitics of the Corporate Person.*

4:00 Mark Jackson*, University of Bristol, *Energetics, technics and the material-discursive conditions of bio-politics.*

2562. The challenge of the Non-DAC Donors: Foreign aid in a changing world (Sponsored by Development Geographies Specialty Group, Political Geography Specialty Group)

Room: Congressional B, Omni Shoreham (Paper Session)

ORGANIZER(S): Emma Mawdsley, Cambridge University; Simon Lightfoot

CHAIR(S): Emma Mawdsley, Cambridge University

2:40 Simon Lightfoot*, *Still donors? The global recession and emerging donors in Central and Eastern Europe.*

3:00 Clemens Six*, University of Berne, Switzerland, *Alterations of the Western development paradigm below the state: Indian society as a global development "driver".*

3:20 Emma Mawdsley, Dr*, Cambridge University, *India and China's development partnership with Kenya: responses from the DAC community.*

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- 3:40** Deborah Brautigam, Ph.D.*, American University, *Constructing China as a "Rogue Donor".*
- 4:00** Petra Krylova*, Palacky University in Olomouc, Science Faculty, Czech Republic; Zdenek Oprsal*, *Development Assistance of the Visegrad countries.*
- 2563. Semantics II: Spatial Metadata, Knowledge and Semantic Interoperability (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)**
- Room:* Council, Omni Shoreham (Paper Session)
 ORGANIZER(S): Wenwen Li, George Mason University; Robert Raskin, Jet Propulsion Lab
 CHAIR(S): Robert Raskin, Jet Propulsion Lab
2:40 Petra UM Norlund*, CU at Boulder, *Automatic and Semi-automatic Methods for Metadata Creation and Maintenance: Long Term Implementation of the INSPIRE Directive.*
- 3:00** Chen-Chieh Feng*, Geography, National University of Singapore; Yu Liang, Geography, National University of Singapore, *Ontology-based Scientific Metadata Infrastructure.*
- 3:20** Chuanrong Zhang*, University of Connecticut, Department of Geography and Center for Environmental Sciences and Engineering; Tian Zhao, Department of Computer Science, University of Wisconsin, Milwaukee; Weidong Li, University of Connecticut, Department of Geography and Center for Environmental Sciences and Engineering, *A Geospatial Semantic Web based Spatial Decision Support System.*
- 3:40** Chin-Te JUNG*, National Taiwan University; Chih-Hong Sun, National Taiwan University, *An Ontology-based Framework for Spatial Decision Support System.*
- 4:00** Robert Raskin*, Jet Propulsion Lab, *Semantic Interoperability Using the SWEET Ontology.*
- 2564. Contemporary geographic research on (im)migration 4: Immigration and the politics of belonging and identity I (Sponsored by Geographic Perspectives on Women Specialty Group, Political Geography Specialty Group)**
- Room:* Diplomat, Omni Shoreham (Paper Session)
 ORGANIZER(S): Patricia Ehrkamp, University of Kentucky; Helga Leitner, University of Minnesota - Minneapolis
 CHAIR(S): Lise Nelson, University of Oregon
2:40 Jamie Winders*, Syracuse University, *Being Quiet to Be a Neighbor: Spatializing Racial Formations and Placing the Politics of Immigration.*
- 3:00** Heather Merrill*, Hamilton College; Donald Martin Carter, Hamilton College, *Beyond Race: The Politics of Social Distinctions in Italy.*
- 3:20** Luna Vives-Gonzalez, PhD Candidate*, University of British Columbia, *Women Through The Border.*
- 3:40** Rosa Mas Giralt, MA*, University of Leeds (UK), *Performing invisibility: cultural reproduction and the emotional and symbolic transnational ties of Latin American migrants and their children in the north of England (UK).*
- 4:00** Mary Gilmartin*, NUI Maynooth, *Unbounding migration studies: the intersections of language, space and time.*
- 2565. Hurricanes IV: Geomorphic and Ecologic Impacts/ Paleotempestology (Sponsored by Geomorphology Specialty Group, Coastal and Marine Specialty Group, Paleoenvironmental Change Specialty Group)**
- Room:* Director's, Omni Shoreham (Paper Session)
 ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
 CHAIR(S): Lawrence Kiage, Georgia State University
2:40 Gregory A. Carter*, The University of Southern Mississippi; Ervin G. Otvos; G. Alan Criss; Kelly L. Lucas, *Recovery of the Mississippi-Alabama Barrier Islands Four Years after Hurricane Katrina.*
- 3:00** Kam-Biu Liu*, Dept. Oceanography & Coastal Sciences, Louisiana State University; Thomas A. Bianchette, Dept. Oceanography & Coastal Sciences, Louisiana State University; Nina S.N. Lam, Dept. Environmental Sciences, Louisiana State University; William J. Platt, Dept. Biological Sciences, Louisiana State University; Qiang Yao, Dept. Oceanography & Coastal Sciences, *Effects of Hurricanes on Coastal Ecosystems around Weeks Bay, Alabama: Integrating Paleotempestology with Palynology and Remote Sensing.*
- 3:20** Michael F.J. Pisarcic*, Carleton University; Steven V Kokelj, Renewable Resources and Environment, Department of Indian Affairs and Northern Development; Holly Nesbitt, Paleoeological Environmental Assessment and Research Lab (PEARL), Queen's University; Joshua Thienpont, Paleoeological Environmental Assessment and Research Lab (PEARL), Queen's University; Trevor Lantz, School of Environmental Studies, University of Victoria; Peter Morse, Department of Geography, Carleton University; Steve M Solomon, Natural Resources Canada, Geological Survey of Canada (Atlantic); John P Smol, Paleoeological Environmental Assessment and Research Lab (PEARL), Queen's University, *Large-scale ecological impacts of a storm-induced saltwater inundation event in the outer Mackenzie Delta, Canada.*
- 3:40** Daniel B. Lewis*, University of Tennessee; David B Finkelstein, University of Tennessee; Henri D. Grissino-Mayer, University of Tennessee; Edmund Perfect, University of Tennessee; Claudia I. Mora, Los Alamos National Laboratory, *A Multi-Tree Perspective of the Tree-Ring Hurricane Record from Big Thicket National Preserve, Texas, USA.*
- 4:00** James Pyburn, Exxon-Mobil Corporation, formerly Boston College; Amy Frappier*, Skidmore College, *A 2205 year record of tropical cyclone activity around Yucatan, Mexico, from a mud layers in an annually-laminated stalagmite.*
- 2566. The Experiences of Immigrants and Refugees in Urban Areas in the United States (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)**
- Room:* Embassy, Omni Shoreham (Paper Session)
 ORGANIZER(S): Carlos Teixeira, University of British Columbia Okanagan; Wei Li, Arizona State University
 CHAIR(S): Ira M. Sheskin, University of Miami
2:40 Pablo S Bose*, University of Vermont, *Refugee Populations, Equity, and Transportation in Vermont.*
- 2:55** Adam Lake*, University of Oregon, *Social Capital and Redevelopment of Habitus: Place and social network formation among Soviet Jewish refugees in Cleveland, Ohio.*
- 3:10** Ira M. Sheskin*, University of Miami, *Assimilation of Jews from the Former Soviet Union.*

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3:25 Stavros T. Constantinou*, Ohio State University; Kevin Butler, University of Akron; Milton E. Harvey, Kent State University, *Spatial Manifestations of Ethnic Identity: Identity, Attitude, and Behaviors at the Individual Level.*

3:40 Brendan McGovern, Graduate Student, Adjunct Professor*, Binghamton University; John W. Frazier, Professor of Geography, Binghamton University; Norah F. Henry, Chair/ Associate Professor of Geography, Binghamton University, *Increasing Asian Indian Influence in Queens, N. Y.: Changing Economic, Cultural and Political Landscapes.*

2568. Gender in South Asia (Sponsored by Asian Geography Specialty Group)

Room: Forum, Omni Shoreham (Paper Session)

ORGANIZER(S): Elizabeth Chacko, The George Washington University; Vandana Wadhwa, Boston University
CHAIR(S): Elizabeth Chacko, The George Washington University

2:40 Elizabeth Chacko*, The George Washington University, *Adoption of Indian children in the United States: a gendered account.*

3:00 Vidyamali Samarasinghe, Professor*, American University, *What does gender theory mean in actual practice of development initiatives focused on women in South Asia?*

3:20 Holly M. Hapke, PhD*, East Carolina University, *Theorizing Patriarchy: Development Paradoxes and the Status of Women in India.*

3:40 Jaya P. Reinhalter*, Mount Holyoke College; Jaya P. Reinhalter, Mount Holyoke College, *Micro-credit and Women's Empowerment in Rural India.*

4:00 Sohini Dutt*, Kansas State University, *Role of Indian culture on AIDS risk perception among college students in Kolkata, India.*

2569. Washington DC: Ambiguous Structure and Meaning (Sponsored by Study of the American South Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Governor's, Omni Shoreham (Paper Session)

ORGANIZER(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill; Derek H. Alderman, East Carolina University

CHAIR(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill

2:40 Lisa M. Benton-Short*, The George Washington University, *City of Magnificent Intentions: Aspirations Vs. Reality in DC's Monumental Core.*

3:00 Carolyn Gallaher*, American University, *Drugs, Shootouts, and Checkpoints: Assessing Militarized Policing in Washington DC.*

3:20 Amanda Huron*, City University of New York Graduate Center, *Building Solidarity Geographies: Anti-Displacement Work and the Struggle for Self-Governance in 1970s Washington, D.C..*

3:40 John Rennie Short*, University of Maryland Baltimore County, *Between and Betwixt: The Liminal Space of the Baltimore - Washington Metro Region.*

Discussant(s): RDK Herman, National Museum of the American Indian

2570. Regions in the Global Knowledge Economy IV - Creativity, Location and Growth (Sponsored by Economic Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Hampton, Omni Shoreham (Paper Session)

ORGANIZER(S): Dieter Franz Kogler, University of Toronto; Benjamin Shultz, University of Tennessee

CHAIR(S): Matthew Zook, University of Kentucky

2:40 Elizabeth A. Mack*, Indiana University; Tony H. Grubestic, Ph.D., Indiana University, *All Jobs Are Not Created Equal: Divergent Indicators in the Knowledge Economy.*

3:00 Breandan O'Huallachain*, Arizona State University, *Patent concentration and co-location in cities and related wage effects.*

3:20 Deborah Anne Strumsky, Professor*, University of North Carolina at Charlotte; Jean-Claude Thill, Professor, University of North Carolina at Charlotte, *Profiling U.S. Metropolitan Areas by their Social Research Networks.*

3:40 Timothy W. Reiffenstein*, Mount Allison University, *Marshallian Geographies of Patent Litigation.*

Discussant(s): David L. Rigby, UCLA

2571. Faith, Place, Difference, Contestation (Sponsored by Geographic Perspectives on Women Specialty Group, Geography of Religions and Belief Systems Specialty Group)

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Caroline Faria, Dartmouth College; Daniel H. Olsen, Brandon University

CHAIR(S): Caroline Faria, Dartmouth College

2:40 Daniel H. Olsen*, Brandon University, *The Map is not Territory: Contesting Contested Space at Religious Tourism Sites.*

2:55 John S. Benson, Dr.*, Minnesota State University Moorhead, *Devout Daughters, Skeptical Sons: A Comparison of the Religious Development of Children of Lutheran Missionaries to Tanzania.*

3:10 Anna M. Mansson McGinty*, University of Wisconsin-Milwaukee, *Activism within the framework of Islamic feminism.*

3:25 Darrel L. McDonald, Ph.D.*, Stephen F. Austin State University; Clarissa T. Kimber, Ph.D., Texas A&M University, *Implications of Recent Changes on the Sacred Gardens of the Native American Church in South Texas.*

Discussant(s): Karen M. Morin, Bucknell University

2572. Democracy and the public sphere in a web 2.0 world

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Sarah Elwood, University of Washington; Katharyne Mitchell

CHAIR(S): Matthew W. Wilson, Ball State University

2:40 Bruce D'Arcus*, Miami University of Ohio, *YouTube Nation.*

3:00 Gregory Donovan*, CUNY Graduate Center, *Cyberdominance and the Digital Footprint: Young People's Experience of Property, Privacy, and Security in the Cybercity.*

3:20 Josef Eckert*, University of Washington, *Situated GeoWeb Participation: A Qualitative Assessment of OpenStreetMap Contributors.*

3:40 Sarah Elwood*, University of Washington; Katharyne Mitchell*, University of Washington, *Desperately seeking the public sphere: After school programs and civic life.*

Discussant(s): Robert W. Lake, Rutgers University

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2574. Cultural Geographies of Natural Resources

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Adam Regula, University of Wyoming

2:40 Theodore Grossardt*, U. of Kentucky; Keiron Bailey, U. of Arizona, *Going Critical: Who Gets What Voice When Uranium No Longer Enriches*.

3:00 Henry Way, PhD*, James Madison University, *Geographies of Environmental Regulation: The Role of Place in a Power Plant Debate*.

3:20 Ondine Park*, University of Alberta, *Suburban Nature: Myth and ruin*.

3:40 Adam Regula*, University of Wyoming, *Experience and Place on the Appalachian Trail*.

2575. Spatial Data Processing: Interoperation, Classification, and Segmentation

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Byong-Woon Jun, Kyungpook National University

2:40 Kuan Song*, University of Maryland; John R. G. Townshend, Dr., Department of Geography, University of Maryland, *The Relative Size of Class Training Sets and the Performance of Supervised Classifiers*.

3:00 Ziyang Jiang*, University of New Orleans, *Areal Object-Based Automatic Classification of Geographic Network Pattern*.

3:20 Hwahwan Kim*, Oak Ridge National Laboratory, *Locally adaptive intelligent interpolation method for population distribution modeling using pre-classified land cover dataset*.

3:40 Yanli Zhang*, Stephen F. Austin State University; Matthew McBroom, Stephen F. Austin State University; I-Kuai Hung, Stephen F. Austin State University; Chris Ransome, CRA Inc., *Spatial interpolation of single beam sonar data for reservoir topography and volume assessment*.

4:00 Byong-Woon Jun*, Kyungpook National University, *Effects of Areal Interpolation Methods on Environmental Equity Analysis*.

2576. Urban Geography and World Cities

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Takashi Tsukamoto, University of North Carolina at Greensboro, Dept. of Political Science

2:40 Yang Yang*, University of Florida; Kevin K.F. Wong, The Hong Kong Polytechnic University, *A Spatial Econometric Approach to Model the Growth of Tourism Flows to China Cities*.

3:00 Zhilin Liu*, Tsinghua University; Maojun Wang, College of Resource & Environment and Tourism, Capital Normal University, Beijing, *Job Accessibility and its Impacts on Commuting Time of Beijing Residents: From a Spatial Mismatch Perspective*.

3:20 Guangzhong Cao, Peking University; Tao Liu*, Peking University, *Dynamic Mechanism of Urbanization and its Evolution in Post-reform China*.

3:40 Tomoko KUBO*, Ryo KOIZUMI, *Residential Transformation of the Tokyo Metropolitan Area since the Late 1990s*.

4:00 Takashi Tsukamoto*, University of North Carolina at Greensboro, Dept. of Political Science, *Regionalism in Osaka: The success and limits of local state rescaling*.

2578. Perspectives in Critical Geopolitics

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Paul C. Adams, University of Texas at Austin

2:40 Mikail Blyth, Undergraduate*, University of Washington, *Korean Reunification as a Détente: The Use of the Kaesong Industrial Complex to Maintain the Geopolitical Status Quo*.

3:00 Dominic Corva, Ph.D.*, University of Washington, *The Political Ecology of Narco-Governance: California-ization?*.

3:20 Christopher Whitaker*, Daytona State College, *Neo-Domino: The Domino Theory and the Popular Geopolitics of Opposition*.

3:40 Paul C. Adams, Ph.D.*, University of Texas at Austin, *The Nobel Peace Prize as a Critical Geopolitical Intervention*.

2579. Internet GIS

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Tristan Thielmann, University of Siegen

2:40 Bin Li*, Central Michigan University, *Mapping Internet Accessibility in Michigan*.

3:00 Yunliang Meng*, Department of Geography, University of Western Ontario; Jacek Malczewski, Department of Geography, University of Western Ontario, *Web-PPGIS Usability and Public Engagement: A Case Study in Canmore, Alberta*.

3:20 Xuanang Cheng*, Center for Spatial Information Science and Systems, George Mason U; Liping Di, Center for Spatial Information Science and Systems, George Mason U; Yuqi Bai, Center for Spatial Information Science and Systems, George Mason U; Weiguo Han, Center for Spatial Information Science and Systems, George Mason U; Douglas Nerbert, USGS, *Providing Standardized Data Access to Remotely Archived Data via Existing Local Web Service Implementations*.

3:40 Tim Wallace*, University of Wisconsin - Madison, *The Widening Authorship of Online Maps*.

4:00 Tristan Thielmann*, University of Siegen; Pablo Abend, University of Siegen, *The territory is the map - A 'ground detection' of everyday geobrowsing practices*.

2580. Planning nature in the city: theoretical and historical perspectives on urban environmental planning (Sponsored by Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jeremy Bryson, Syracuse University; Brent Olson, Syracuse University

CHAIR(S): Brent Olson, Syracuse University

2:40 Lindsay K. Campbell*, US Forest Service, Northern Research Station; Dana R. Fisher, Columbia University; Erika S. Svendsen, US Forest Service, Northern Research Station, *Understanding Civic Environmental Stewardship Networks in New York City*.

3:00 Rebecca McLain, PhD*, Institute for Culture and Ecology; Patrick Hurley, PhD, Ursinus College; Marla R. Emery, PhD, USDA Forest Service; Melissa Poe, PhD, Institute for Culture and Ecology, *Finding our way out of the neoliberal urban forest? Green infrastructure programs and urban gathering*.

3:20 Brent Olson*, Syracuse University, *FireFree: Planning Nature's Trespass*.

3:40 Jeremy Bryson*, Syracuse University, *Urban Natural View Planning: The Political Ecology of Lake Views in Coeur d'Alene, Idaho*.

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- 4:00** Deb Ranjan Sinha*, Michigan Technological University,
*Legacy Pollution in Worcester: An Environmental
History Perspective.*

2582. Climate, Industry, and Pollution

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Bhavna Shamasunder, University of California,
Berkeley

- 2:40** Hoehun Ha, Ph.D Candidate*, SUNY - Buffalo; Rogerson
Peter, Prof., SUNY - Buffalo, *Levels of PCBs and
metals in soils in an area with chemical industries.*

- 3:00** Hendrik G. van Oss*, United States Geological Survey,
*Carbon Dioxide Emissions by the U.S. Cement
Industry: An inconvenient chemistry.*

- 3:20** Jun Li*, Graduate student; Mei-po Kwan, Professor;
Desheng Liu, Assistant Professor, *Spatial-temporal
modeling of ambient PM concentration in Ohio.*

- 3:40** Adam Rose, University of Southern California; Dan Wei*,
University of Southern California, *The Impacts of
the Pennsylvania Climate Action Plan on the State's
Economy.*

- 4:00** Bhavna Shamasunder*, University of California, Berkeley,
*Biomonitoring and Chemicals Governance: Mapping
the Case of Chlorpyrifos in California.*

THURSDAY, APRIL 15 • 4:40 PM - 6:20 PM • 2600**2602. Evangelical Transnationalism (Sponsored by Political Geography Specialty Group, Geography of Religions and Belief Systems Specialty Group, Cultural Geography Specialty Group)**

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Justin Wilford, University of California Los
Angeles; Tristan Sturm, UCLA

CHAIR(S): Tristan Sturm, UCLA

- 4:40** Ju Hui Judy Han*, University of British Columbia, *From
everywhere to everywhere? Circuits of global missions
and postcolonial promises.*

- 5:00** Nicholas Megoran*, University of Newcastle Upon
Tyne, *Progressive Geopolitics? Israel/Palestine and
Alternative Evangelical Practices..*

- 5:20** Tristan Sturm*, UCLA, *Palestinian Christian Zionists: The
Development and Practice of Liberation Theology and
Christian Zionism in a Protestant Palestinian Context.*

- 5:40** Justin Wilford*, University of California Los Angeles,
*Purpose Driven Planet: The Globalization of
Evangelical Postsuburbia.*

Discussant(s): Elizabeth A. Olson, University of Edinburgh

2603. Machines, Models, and Modernization: The Terrain of Cold War American Science (Sponsored by Historical Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Matthew Farish, University of Toronto; Patrick
McHaffie, Depaul University

CHAIR(S): Patrick McHaffie, Depaul University

- 4:40** Trevor J. Barnes*, University of British Columbia, *A
formula for moving the world: social physics, the
gravity equation and Cold War American geography.*

- 5:00** Matthew Farish*, University of Toronto, *"The Study of Man
in Isolation": The Human Sciences and the Cold War
Arctic.*

- 5:20** Patrick Vitale*, University of Toronto, *Making Science
Suburban: The Cold War Metropolitan Regime in
1950s Pittsburgh.*

- 5:40** Stuart Leslie*, Johns Hopkins University, *Modernization on
the MIT Model.*

Discussant(s): Patrick McHaffie, Depaul University

2604. Coupled human-environment interactions in dryland regions: Expert Session (Sponsored by Graduate Student Affinity Group, Human Dimensions of Global Change Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Cerian Gibbes, University of Florida; Andrea
Gaughan

CHAIR(S): Andrea Gaughan

- 4:40** Ricardo Holdo*, University of Missouri, *Shifting rainfall
regimes and the dynamics of the greater Serengeti
socio-ecological system.*

- 5:00** Howard Epstein*, University of Virginia; Gregory Okin,
University of California; Junran Li, Cornell University;
Lorelei Alvarez, University of Virginia, *Wind erosion
and ecosystem consequences following vegetation
removal in a Chihuahuan Desert grassland.*

- 5:20** Anette Reenberg*, department of Geography and Geology,
University of Copenhagen, *Embedded flexibility in
coupled human-environmental systems in the Sahel:
Talking about resilience.*

- 5:40** James F Reynolds, Professor*, Duke University; Working
Group 1, Dryland Science for Development consortium
(DSD), *Understanding Coupled Human-Ecological
Systems in Global Drylands: Their Key Role in
Desertification Research, Dryland Development, and
Achieving Sustainable Management Policies.*

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2605. Local, Metropolitan, and Regional Planning Perspectives (Sponsored by Regional Development and Planning Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): George M. Pomeroy, Shippensburg University; Sudhir K. Thakur, California State University Sacramento

CHAIR(S): Rajrani Kalra, California State University, San Bernardino

4:40 John E. Benhart*, Shippensburg University, *Ave Maria: Regional Development Initiatives in a Planned Community*.

5:00 Debnath Mookherjee*, Western Washington University, *India, "An Unequal Country": Perspectives and Comments on Development*.

5:20 Christopher Cusack*, Keene State College, *There's No Place Like Home: Workforce Housing in New Hampshire's Monadnock Region*.

5:40 George M. Pomeroy*, Shippensburg University, *Evolution of Land Trust Activities in the United States*.

6:00 Jennifer Pomeroy*, University of Maryland; Jennifer Pomeroy, Geography Department, University of Maryland, *Political ecology of annexation*.

2607. The diversity of neoliberal urbanization III

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

ORGANIZER(S): Stijn Oosterlynck, KU Leuven; Maarten Loopmans

CHAIR(S): Tuna Tasan-Kok, TUDelft

4:40 Faranak Miraftab, PhD*, University of Illinois, Urbana Champaign, *Colonial roots of the neoliberal urban redevelopment projects: Insights from Cape Town, South Africa*.

5:00 Maarten PJ Loopmans*, Katholieke Universiteit Leuven, *The politics of neoliberal urban development*.

5:20 Carolyn Thompson*, Macquarie University, *Contesting Neoliberal Communitarianism*.

5:40 Adam John Parrillo, PhD*, University of Wisconsin - Green Bay, *Magnetizing Public Education: The Polarizing Consequences of Magnet Schools and their Neoliberal Roots*.

6:00 Flavia Martinelli*, Facoltà Di Architettura - Università Mediterranea Di Reggio Calabria, *The Restructuring of Welfare, Local Governance and Citizenship*.

2609. Dendrochronology V: Dendroclimatology (Sponsored by Climate Specialty Group, Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Christopher M. Gentry, Austin Peay State University; James H. Speer, Indiana State University

CHAIR(S): Stockton Maxwell, West Virginia University

4:40 Stockton Maxwell*, West Virginia University; Amy E Hessel, West Virginia University; Edward R Cook, Lamont-Doherty Earth Observatory; Neil Pederson, Eastern Kentucky University, *Streamflow Reconstruction of the Potomac River*.

5:00 Yanan Li*, Laboratory of Tree-Ring Science, Department of Geography, The University of Tennessee, Knoxville, Tennessee 37996, USA; Henri D. Grissino-Mayer, Laboratory of Tree-Ring Science, Department of Geography, The University of Tennessee, Knoxville, Tennessee 37996, USA, *Dendroclimatic Analysis of Climate Oscillations for the Southeastern United States from Tree-Ring Network Data*.

5:20 Brita Lorentzen*, Cornell University; Carol B. Griggs, PhD, Cornell University; Tomasz Wazny, PhD, Cornell University; Jessica M. Herlich, College of William and Mary; William Guerra, Cornell University; Sturt W. Manning, PhD, Cornell University, *Dendrochronology*

in Israel: A Preliminary Reconstruction of Tree-Ring Response to Climate and Environment in the Southern Levant.

5:40 Peter Clark*, West Virginia University, *Cliffside Pinus resinosa used to reconstruct climate history, Rumney, NH*.

6:00 Shelly A. Rayback, Ph.D.*, University of Vermont; Andrea Lini, Ph.D., University of Vermont; Greg H.R. Henry, Ph.D., University of British Columbia, *Multiproxy reconstructions: combining stable isotope analysis and dendrochronological techniques to reconstruct recent climate in the Eastern Canadian Arctic*.

2610. Part 2: Environmental Change in the Western Cordillera of North America (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Katrina Moser, University of Western Ontario; Scott Starratt, United States Geological Survey

CHAIR(S): Scott Starratt, United States Geological Survey

4:40 George P. Malanson*, University of Iowa; Jonathan P. Rose, University of Iowa, *Neutral vs. niche context for change in alpine tundra*.

5:00 Scott A Reinemann, M.Sc.*, The Ohio State University; David F. Porinchu, PhD, The Ohio State University, *A High Resolution Midge-Based Temperature Reconstruction From the Great Basin, United States Provides Evidence of Warmer Conditions During The Medieval Climatic Anomaly*.

5:20 Jacqueline J. Shinker*, Department of Geography, University of Wyoming; Bryan N Shuman, Department of Geology and Geophysics, University of Wyoming; Thomas A Minckley, Department of Botany, University of Wyoming; Anna K Henderson, Department of Geology and Geophysics, University of Minnesota, *Climatic Shifts in the Availability of Contested Waters: A Long-term Perspective from the Headwaters of the North Platte River*.

5:40 Katrina Moser, Ph.D.*, University of Western Ontario; Oliver Squire, University of Western Ontario; Michael Kenigsberg, University of Western Ontario, *Chrysophyte stomatocyst to diatom frustule (C:D) ratio: a potential tool for tracking temperature change in the Uinta Mountains, Utah*.

6:00 Abbie Tingstad*, University of California - Los Angeles, *A ~ 13,000-year record of environmental change from the Uinta Mountains, Utah inferred from diatom and loss-on-ignition analysis*.

2611. Exploring Innovations and Transgressions in Tourism Mobilities/Immobilities (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Nathan Hale, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Kevin Hannam, University of Sunderland; Jan Mosedale, University of Sunderland

CHAIR(S): Cody Morris Paris, Arizona State University

4:40 Anya Diekmann, Dr, Université Libre de Bruxelles; Kevin Hannam, Professor*, University of Sunderland, *Consuming Abjection: Experiencing Slum Tours*.

5:00 Matilde Córdoba Azcárate*, Universidad Complutense de Madrid, *Contentious hotspots: ecotourism (im) mobilities and the restructuring of place at the Biosphere Reserve Ria Celestún (Yucatan, Mexico)*.

5:20 Jan Mosedale*, University of Sunderland, *Being mobile off the grid: experiencing mobility and alternative economic practices*.

5:40 Mark Lowes*, University of Ottawa; Paul Tranter, Australia National University, *Green motorsport tourism: Part of the new mobilities paradigm or more 'greenwash'?*

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6:00 John Urry, Professor*, Lancaster University, *Consuming to Excess*.

2612. Qualitative Futures? A Celebration of the 10th Anniversary of the Qualitative Research Specialty Group (Sponsored by Qualitative Research Specialty Group)

Room: Park Tower 8206, Marriott, Lobby Level (Panel Session)
ORGANIZER(S): Meghan Cope, University of Vermont; Dydia DeLyser, Louisiana State University
CHAIR(S): Meghan Cope, University of Vermont
Panelists: Stuart C. Aitken, San Diego State University; Rachel Pain, University of Durham; Dydia DeLyser, Louisiana State University; Iain M. Hay, Flinders University; Pamela Moss, University of Victoria; David Butz, Brock University

2613. 'There Goes The (Neighbour)'Hood': Universities, Local Communities and Urban Change (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Darren Paul Smith, University of Brighton; Eliot Tretter, University of Texas - Austin
CHAIR(S): Darren Paul Smith, University of Brighton
Introducer: Darren Paul Smith
5:00 John Harner, PhD*, University of Colorado; Frank Kinder, MA, EcoGoods, Inc., *From Smart Growth to Strip Mall: University Village in Colorado Springs*.
5:20 Harley Etienne, Ph.D.*, Georgia Institute of Technology, *Neighborhood Perspectives on University-Driven Change*.
5:40 Amy Tucker*, University of Brighton, *Graduates in University Towns and Cities*.
6:00 Georgina Henriksen*, University of Birmingham, *Desirable employees? Examining graduate employment in small Business and Professional Service firms*.

2614. Biophysical influences on environmental health problems and infectious diseases III (Sponsored by Health and Medical Geography Specialty Group, Climate Specialty Group)

Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Christopher K. Uejio; James Tamerius, University of Arizona
CHAIR(S): Christopher K. Uejio
4:40 Richard Salkowe*, University of South Florida, *Natural Disasters and Human Health: Analyzing the Prevalence of Stress-Related Illness after the 2002-2003 Illinois Storm, Tornado and Flood Events*.
5:00 Grady Dixon*, Mississippi State University, *Can synoptic air mass types significantly affect suicide rates?*.
5:20 Christopher K. Uejio*, Nelson Institute Center for Sustainability and the Global Environment; Olga Wilhelmi, PhD, National Center for Atmospheric Research; Jay Golden, PhD, Arizona State University; Jason Samenow, MS, Environmental Protection Agency, *Intra-urban Patterns of Societal Risk and Vulnerability to Extreme Heat*.
5:40 James Tamerius*, University of Arizona; Cecile Viboud, PhD, Fogarty International Center, NIH, *Global Influenza Seasonality and Climate: Patterns and Anomalies*.

2615. Crime Modeling and Mapping (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Michael Leitner, Louisiana State University
CHAIR(S): Amanda Mullett, Kent State University

4:40 Hyun Kim*, University of South Florida; Casey Anderson, University of South Florida; Yongwan Chun, University of Texas at Dallas, *Crime Scene Locations in Cases of Criminal Homicide: Spatial Crime Analysis in a GIS environment*.

5:00 George Roedl*, West Virginia University; Greg A. Elmes, West Virginia University, *Geography, Crime, Spatial Technology, and Safe Campuses*.

5:20 Robert Cheetham*, Avencia, *HunchLab: Spatial Data Mining for Intelligence-driven Policing*.

5:40 Robert E Roth*, Penn State; Kevin S Ross, Penn State; Wei Luo, Penn State; Benjamin G Finch, Penn State; Alan M MacEachren, Penn State, *A user-centered approach for evaluating and extending spatiotemporal crime analysis tools*.

6:00 Amanda Nicole Mullett, MA*, Kent State University, *Estimation of Changes in Property Crime with Neighborhood Life Cycle*.

2616. Time and Innovation II: Making New, Taking Hold, Falling Apart ...in the Abstract

Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Christian Anderson, The City University of New York - Graduate Center; Elizabeth Johnson, University of Minnesota - Minneapolis
CHAIR(S): Christian Anderson, The City University of New York - Graduate Center
4:40 Kenneth R. Olwig*, Swedish University of Agricultural Sciences, Alnarp, *Globalism and Landscape: Narratives of Catastrophe, Utopia and the Remaking of the World*.
5:00 David Spataro*, City University of New York, *Eats, (green) shoots, and leaves: The struggle over what's 'new' about small-scale intensive gardening, green capitalism, and edible landscapes*.
5:20 Stephen Boatright*, CUNY Graduate Center, *Melancholic Real Estate: The Ideology of Neoliberal Homeownership*.
5:40 Jesse Goldstein*, City University of New York, *Adulteration of Innovation: Duration, Obsolescence, and the Commodity Form*.
Discussant(s): Cindi Katz, CUNY Graduate Center

2617. Modeling Geographic Dynamics (Sponsored by Geographic Information Science and Systems Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Kathleen Stewart Hornsby, University of Iowa
CHAIR(S): Kathleen Stewart Hornsby, University of Iowa
4:40 Shane Hubbard*, University of Iowa - Department of Geography; Kathleen Stewart Hornsby, University of Iowa - Department of Geography, *A Branching Event Model for Spatiotemporal Decision Support*.
5:00 James Bothwell*, University of Oklahoma; May Yuan, Director, Professor Geoinformatics, University of Oklahoma, *The effect of sampling percentage on a spatiotemporal representation*.
5:20 Veronica S Nixon*, The University of Iowa; Kathleen Stewart Hornsby, PhD, The University of Iowa, *Persistence of Geographic Objects*.
5:40 Anders Wastfelt*, *To fabricate landscape changes - or how to visualize socio ecological changes in - between two satellite images..*
6:00 Jerry Mount*, University of Iowa, *Path selection and potential: What if I would have made a different choice?*.

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- 2619. The Ontological (Re)Turn in Geography**
Room: *Thomas Paine, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Agnieszka Leszczynski, University of Washington; Brandon Derman, University of Washington
 CHAIR(S): Matthew Sparke, University of Washington
 Discussant(s): Stuart Elden, University of Durham
 Panelists: Sallie A. Marston, University of Arizona; Jeff Popke, East Carolina University; Deborah Dixon; Keith Woodward, University of Wisconsin-Madison; Susan Ruddick, University of Toronto; Bruce Braun, University of Minnesota - Minneapolis
- 2620. In Memoriam: Glen S. Elder (Sponsored by Sexuality and Space Specialty Group, Africa Specialty Group)**
Room: *Virginia Suite A, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Max Andrucki, University of Leeds
 CHAIR(S): Michael P. Brown, University of Washington
 Panelists: Matthew G. Hannah, Aberystwyth University; Belinda Dodson, University of Western Ontario; Bradley Rink, University of Cape Town; Beverley Mullings, Syracuse University; Lawrence Knopp, University of Washington Tacoma; Melissa R. Gilbert, Temple University
- 2621. Global Change and Caribbean Vulnerability (2): Environment, Hazards and Ecology**
Room: *Virginia Suite B, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): David Barker, University of the West Indies; David Miller
 CHAIR(S): David Miller
4:40 David J. Miller*, The University of the West Indies; Andrew G.M. Pearson, The University of the West Indies, *Geomorphologic and sediment dynamics in Manatee Bay, St. Catherine, Jamaica: A hurricane impact complex response system..*
5:00 Theresa E. Rodriguez*, University of the West Indies, *The Impacts of Aggregate Mining in the Yallahs River on the Coastal Geomorphology of the Delta.*
5:20 Balfour A. Spence, Dr*, Brandon University, *Community-based Good Practice Approach to the Mitigation of Hydro-meteorological Hazards in Caribbean Agriculture: Jamaica Case Study.*
5:40 Thomas Fickert*, University of Passau, *The state of recovery of mangrove forests on the Bay Island of Guanaja (Honduras) a decade after Hurricane Mitch (October 1998).*
6:00 Karina Benessaiah*, Arizona State University, *How adaptive to climate change are coastal rural communities in Nicaragua?*
- 2622. Tribute Session: A Celebration of Reg Golledge's Life and Work**
Room: *Virginia Suite C, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Janice Monk, University of Arizona; Helen Couclelis, University of California
 CHAIR(S): Leslie J. King, McMaster University
 Panelists: Leslie J. King, McMaster University; Ronald F. Abler, International Geographical Union; Janice Monk, University of Arizona; Gunnar Olsson, University of Uppsala; Mei-Po Kwan, Ohio State University; Douglas Richardson, Association of American Geographers; Stanley D. Brunn, University of Kentucky; Scott Bell, University of Saskatchewan; Sarah Battersby, University of South Carolina; Niem Tu Huynh, Texas State University - San Marcos; William Clark, University of California - Los Angeles; Michael Webber, The University of Melbourne; Luc Anselin, Arizona State University.
- 2623. Cultural geographies Annual Lecture (Sponsored by Geographic Perspectives on Women Specialty Group, Cultural Geography Specialty Group)**
Room: *Coolidge, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Tim Cresswell, Royal Holloway, University of London; Dydia DeLyser, Louisiana State University
 CHAIR(S): Tim Cresswell, Royal Holloway, University of London
 Introducer: Tim Cresswell
4:45 Brenda Saw Ai Yeoh*, National University of Singapore, *Cosmopolis and Carework.*
- 2626. Ecosystem Management: Facing the Complexity of Ecological and Political Boundaries (Sponsored by Political Geography Specialty Group, Energy and Environment Specialty Group)**
Room: *Jackson, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Jamie Skillen, Calvin College; Melinda Harm Benson, University of New Mexico
 CHAIR(S): Jamie Skillen, Calvin College
4:40 Jamie Skillen*, Calvin College, *Ecosystem Management and the Crisis of Scientific and Political Authority.*
5:00 Melinda Harm Benson*, University of New Mexico, *Governing for Resilience: Institutionalized Perceptions of Stationarity and their Implications for Ecosystem-based Adaptive Management.*
5:20 Olen Paul Matthews*, University of New Mexico, *Can Adaptive Management be Incorporated into Western Water Law?.*
 Discussant(s): J.B. Ruhl, Florida State University
- 2627. Experiencing Smaller Cities/Towns in Canada: Immigrants finding their place II (Sponsored by Rural Geography Specialty Group, Canadian Studies Specialty Group, Ethnic Geography Specialty Group)**
Room: *Jefferson, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Claire Major; Cheryl Sutherland, Queen's University
 CHAIR(S): Claire Major
4:40 Meghan Brooks, Queen's University; Cheryl Sutherland*, Queen's University, *Reading Between the Headlines: The Impacts of Media Representations on Understandings of Ethnocultural Identity and Canadian Citizenship.*
5:00 Leela Viswanathan*, Queen's University, *Examining the relationship among immigrant integration, community planning, and sustainability in a small Canadian city.*
5:20 Huyen Dam, M.A.*, McMaster University; John Eyles, PH.D., McMaster University, *Becoming Vietnamese-Canadian: the story of the Vietnamese Boat People in Hamilton.*
5:40 Catherine Nolin, Associate Professor*, University of Northern British Columbia; Anisa Zehtab-Martin, MRD & Research Associate, University of Northern British Columbia; Greg Halseth, Professor, University of Northern British Columbia, *Hidden Avenue(s) of (Im)migration: Transnational Experiences of Mail-Order Brides in Northern BC.*
6:00 Ryan F. Gibson*, Department of Geography, Memorial University; Jill Bucklaschuk, Department of Sociology, University of Manitoba; Robert C. Annis, Rural Development Institute, Brandon University, *Creating a Welcoming Prairie City through Community Partnerships: Brandon, Manitoba's Response to Temporary Foreign Workers.*

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- 2628. The Role of Universities in Regional Development (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**
Room: Johnson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Megan Dixon, College of Idaho
 CHAIR(S): Megan Dixon, College of Idaho
4:40 Elena Ishchenko*, Voronezh State University, *The University in the Regional Labor Market*.
5:00 Elena Lukovitskaya*, Novgorod State University, *Functions of Regional Universities in Community Development: the Example of Novgorod State University*.
5:20 Valentin Korneevets*, Immanuel Kant State University of Russia, *Immanuel Kant State University of Russia: Establishment of a Federal University*.
5:40 Alexey Falaleev*, Far Eastern National University, *The Russian Far East and the Asia-Pacific Region: Strategic Planning of Integration within the Russian Federal Universities Network Project*.
 Discussant(s): Marianna Pavlovskaya, Hunter College
- 2629. Climate Adaptation, Landscapes, and Institutions (CALI) III (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan
 CHAIR(S): Paul Robbins, University of Arizona
4:40 Kendra McSweeney*, The Ohio State University; Oliver T. Coomes, McGill University, *Vulnerability, resilience, and unexpected adaptation: long-term outcomes of Hurricane Mitch in rural Honduras*.
4:55 Ashwini Chhatre*, University of Illinois at Urbana-Champaign, *Land to the poor: Lessons from redistributive land reforms for climate change adaptation*.
5:10 Edward R Carr*, University of South Carolina; Brent McCusker, West Virginia University, *Addressing the "Scale Problem": Linking Livelihoods Change and Land Use to Inform Regional Climate Models and Adaptation Policy*.
 Discussant(s): Paul Robbins, University of Arizona
- 2630. Pragmatic critique and critical engagement in human-environment research (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): James M Jeffers, Rutgers University; Trevor Birkenholtz, Rutgers University
 CHAIR(S): James M Jeffers, Rutgers University
 Introducer: Trevor Birkenholtz
 Discussant(s): Jessica Budds, The Open University
 Panelists: William G. Moseley, Macalester College; James M Jeffers, Rutgers University; Elizabeth (Za) Barron, Rutgers University; Peter P. Mollinga, ZEF, Bonn, Germany
- 2631. A Tribute to Alan MacPherson (Sponsored by Economic Geography Specialty Group)**
Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Anneliese Louise Vance, Western Washington University
 CHAIR(S): William B. Beyers, University of Washington
 Panelists: William B. Beyers, University of Washington; Breandan O Huallachain, Arizona State University; James W. Harrington, University of Washington; Ian MacLachlan, University of Lethbridge; Nicholas A. Phelps; Peter W. Daniels, University of Birmingham; Edward Malecki, Ohio State University
- 2634. Remotely-Sensed Evidence of Cultural Impacts on the Natural Environment (Sponsored by Remote Sensing Specialty Group)**
Room: Taft, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): David Viertel, Eastern Illinois University; Dawna L. Cerney, Youngstown State University
 CHAIR(S): Dawna L. Cerney, Youngstown State University
4:40 Dawna L. Cerney, Ph.D.*, Youngstown State University; Alberto Giordano, Ph.D., Texas State University - San Marcos, *Recognize the impact of conservation initiatives on the Nantucket landscape through color composite images*.
5:00 David C Viertel*, Eastern Illinois University, *Using DMSP-OLS Imagery to Characterize a Rural Transportation Corridor*.
5:20 Stephen S. Young*, Salem State College, *Time Series Analysis of Coarse-Resolution SPOT VEGETATION data to Detect Human Impacts on the Natural Environment*.
- 2635. Gail Hobbs Student Paper Competition 2 (Sponsored by Geography Education Specialty Group)**
Room: Taylor, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Herschel Stern, Miracosta College
 CHAIR(S): Herschel Stern, Miracosta College
4:40 Mary E Paulet, Graduate Student*, California State University Los Angeles, *Embedding Geography in junior college multicultural studies curriculum*.
4:56 Carmen Brysch*, *Geography for Life 2nd Edition Draft: Critique, Implementation Problems, Recommendations*.
5:12 Michael Scholz*, Texas State University, *Using Ethnic Festivals as an educational Tool in the Geography Classroom*.
5:28 Seth Baum*, Pennsylvania State University; Destiny Aman, Pennsylvania State University; Andrei Israel, The Pennsylvania State University, *Promoting Civic Engagement Through Student Projects In Introductory Environmental Geography Courses*.
5:44 Jennifer C. Collymore*, The Pennsylvania State University, *Alignment of the Geography Curriculum, Instruction and Assessment Enacted in the Caribbean Region*.
 Discussant(s): Herschel Stern, Miracosta College
- 2636. Climate Specialty Group John Russell Mather Paper of the Year Presenter Hengchun Ye (Sponsored by Climate Specialty Group)**
Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Michael A. Palecki, National Climatic Data Center
 CHAIR(S): Michael A. Palecki, National Climatic Data Center

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2637. GIS-Based Impact Assessment and Analysis II

Room: *Thurgood Marshall NORTH, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Diana Mok, The University of Western Ontario, Dept. of Geography

4:40 Bumseok Chun*, The Ohio State University; Jean-Michel Guldman, The Ohio State University, *Relationship between high-rise building patterns and land values, using LiDAR, GIS, and appraisal data.*

5:00 Ling Bian*, University at Buffalo; Liang Mao, University at Buffalo, *Effects of Home-Workplace Link on Spatial Pattern of Communicable Disease Transmission.*

5:20 Sergio Ramirez, undergraduate*, Cal State University, Long Beach, *Impacts of a Shasta Dam Height Raise: A Case Study on the McCloud River Arm, Northern California.*

5:40 Su Jin Lee*, USC_Geography; Travis Longcore, USC_Geography; John P. Wilson, USC_Geography, *Modeling the Ecological Impacts of Mansionization in Metropolitan Regions.*

6:00 Diana Mok*, The University of Western Ontario, Dept. of Geography; Ling Hin Li, The University of Hong Kong, *The spatial impact of language policies on housing bid rents in Hong Kong.*

2638. Post-Postmetropolis: Taking Stock of the Urban Condition (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: *Thurgood Marshall SOUTH, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Patricia L. Price, Florida International University

CHAIR(S): Peter O. Muller, University of Miami

Introducer: Patricia L. Price

4:45 Edward Soja*, UCLA, *After Postmetropolis.*

Discussant(s): Mona Domosh, Dartmouth College; Deborah G. Martin, Clark University; Robert Beauregard, Columbia University

2639. Abrupt Change, Scale, 'Collapse': Panel (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group, Latin America Specialty Group)

Room: *Thurgood Marshall WEST, Marriott, Mezzanine Level* (Panel Session)

ORGANIZER(S): Karl W. Butzer, University of Texas - Austin; Georgina Endfield, University of Nottingham

CHAIR(S): Arlene Rosen, University College London

Panelists: Karl W. Butzer, University of Texas - Austin; Billie L. Turner, Arizona State University; William E. Doolittle, University of Texas; Andrew Dugmore, University of Edinburgh; Timothy Beach, Georgetown University; Georgina Endfield, University of Nottingham; Robert Dull, University of Texas at Austin

2640. The 2008 Financial Crisis and Asia (Sponsored by Economic Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)

Room: *Truman, Marriott, Mezzanine Level* (Panel Session)

ORGANIZER(S): Yu Zhou, Vassar College

CHAIR(S): Yu Zhou, Vassar College

Introducer: Yu Zhou

Discussant(s): Richard A. Walker, University of California-Berkeley

Panelists: Weidong Liu, Chinese Academy of Sciences; Michael Webber, The University of Melbourne; Balaji Parthasarathy, International Institute of Information Technology; Henry Wai-chung Yeung, National

University of Singapore; Jessie P. Poon, University at Buffalo-SUNY; Sam Ock Park, Seoul National University

2641. Opportunities for Enhancing Diversity in the Geosciences: Programs and Partnerships (Sponsored by Association of American Geographers)

Room: *Tyler, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Patricia Solis, Association of American Geographers; Ines M. Miyares, Hunter College

CHAIR(S): Patricia Solis, Association of American Geographers

Introducer: Ines M. Miyares

4:45 Lesley-Ann Dupigny-Giroux*, University of Vermont; Marilyn N. Raphael, University of California-Los Angeles; J. Marshall Shepherd, University of Georgia; Thomas L. Mote, University of Georgia, *Attracting and retaining minority students in the climate sciences - the Diversity Climate Network (D-ClimNet).*

5:05 Roger E. Levine, Ph.D.*, American Institutes for Research, *Strategies for Recruitment and Retention of Minorities in Geography: Lessons from the Geosciences.*

5:25 Hector Agredano*, City University of New York Graduate Center, *Trends in Outreach Strategies Among NSF-OEDG Supported Geoscience Programs.*

5:45 Patricia Solis, PhD*, Association of American Geographers; Ines Miyares, PhD, Hunter College CUNY, *Addressing Locally-tailored Information Infrastructure & Geoscience Needs for Enhancing Diversity (ALIGNED).*

Discussant(s): Jill Karsten, NSF

2642. Regional Studies Plenary - Regional Resilience

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

ORGANIZER(S): Sally Hardy, Regional Studies Association

CHAIR(S): Ron Boschma, Utrecht University

Introducer: Ron Boschma

Panelists: Ann Markusen, University of Minnesota; Edward Glaeser, Harvard University

2643. Urban Agriculture in the Global North III: Integrating Perspectives from Planning, Public Health, and Political Economy (Sponsored by Urban Geography Specialty Group, Cultural and Political Ecology Specialty Group, Applied Geography Specialty Group)

Room: *Wilson B, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Nathan C. McClintock, University of California, Berkeley; Alexander Tarr, UC Berkeley Geography

CHAIR(S): Nathan C. McClintock, University of California, Berkeley

4:40 Kimberly Libman*, CUNY Graduate Center, *City farms and public health: A critical comparison of New York City and London.*

5:00 Denissia E. Withers, B.A.*, Portland State University, *Community Learning Garden Programs in the Portland Area: How do Learning Gardens help low-income families access fresh locally-grown foods?.*

5:20 Jan Eelco Jansma*; Wijnand Sukkel; Eveline S.C. Stilma; Alex C. van Oost; Andries J. Visser*, *Urban agriculture and local food production: the case of the Dutch city of Almere.*

5:40 Mary Beth Pudup*, University of California, Santa Cruz, *It's not easy being green: the rise and fall of the San Francisco League of Urban Gardeners.*

Discussant(s): Ryan E. Galt, University of California, Davis

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2644. Controversies in Naming Geographical Features: A Specific Focus on Maritime Names and East Sea/ Sea of Japan

Room: Wilson C, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Sungjae Choo, Kyung Hee University; Ki-Suk Lee, Seoul National University

CHAIR(S): John S. Adams, University of Minnesota - Minneapolis

4:40 Paul J. Woodman*, Permanent Committee on Geographical Names, *Perception and Identity in Geographical Names: the Potential for Cultural Misunderstanding.*

4:58 Adam J. Kerr*, Private consultant, *Nomenclature of Maritime Areas.*

5:16 John R Short, University of Maryland Baltimore County; Ki-Suk Lee*, Seoul National University, *Postcolonial Namings in the Immediate Aftermath of World War II.*

5:34 Hyo Hyun Sung*, Ewha Womans University; Okkyong Yoon*, Catholic University of Daegu, *Undersea feature names of South Korea: Naming process and management.*

5:52 Sungjae Choo*, Kyung Hee University, *Resolving Naming Controversies between Countries: The Cases of Three Maritime Names.*

Discussant(s): Ronald F. Abler, International Geographical Union

2645. Cultural and Historical Geography, and Cultural Ecology

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kevin Romig, Texas State University

F. L. (Rick) Bein, PhD*, Indiana University Purdue University at Indianapolis; Gilbert Mbaka Nduru, PhD, Moi University, *Survey Results from Traditional Agriculture in Western Kenya.*

Craig S. Revels*, Central Washington University, *Trading through Time: Legacy Landscapes along the Aguán Valley camino real in Honduras.*

José M. Cajigas Flores*, Graduate Student, Department of Geography & Planning, University of Akron, *Growth Patterns of U.S. Military Bases in Puerto Rico, in the 20th Century.*

John T. Morgan*, Emory & Henry College, *Paving Brick Production in Chilhowie, Virginia.*

Daniel Druckenbrod*, Rider University; Rebecca K. R. Ambers, Sweet Briar College, *Forest Cover in the Virginia Piedmont 1860 to the Present, Part I: Extent and Trends.*

Rebecca K. R. Ambers*, Sweet Briar College; Daniel L. Druckenbrod, Rider University, *Forest Cover in the Virginia Piedmont 1860 to the Present, Part II: Distribution and Topography.*

Shelley J Bursleson*, Texas State University; Seth Neuman, Texas State University, *Budapest, 1944: The Shaping of a Ghetto.*

Laura Coppola*, University of North Carolina at Charlotte, *Textile Mills of Cabarrus County, NC.*

Sarah E. Hinman*, Idaho State University, *Spatial Consistency in Morbidity and Mortality Surfaces for Typhoid Fever in 1895 Washington, D.C..*

Rebecca Braunschweig*, University of Wisconsin-Stevens Point, *Wisconsin Dells, Wisconsin: Past, Present and Future.*

Xiaoping Shen*, Central Connecticut State University; Shangyi Zhou, Beijing Normal University, *Tradition and changes of visual arts industry in Beijing.*

Summer C. Olsen*, Utah State University, Department of Environment and Society; Mark Brunson, Utah State University, Department of Environment and Society, *Communication Across Boundaries: Sharing Bioregional Knowledge Via Pathways Defined by Administrative Region.*

Ray Reser, Ph.D, University of Wisconsin - Stevens Point; Sarah H Carriger*, University of Wisconsin - Stevens Point; Jesus Rehwinkel, University of Wisconsin - Stevens Point; Janell M Wehr, University of Wisconsin - Stevens Point, *Quantification of deteriorating Cambrian sandstone at Roche-A-Cri State Park and its effects on petroglyphs.*

Mary D. Raycraft*, University of Cincinnati, Department of Geography; Kenneth Tankersley, University of Cincinnati, Department of Anthropology, *Geophysical Techniques used in Determining Internments.*

Anita Kushwaha, BSc, MA, PhD Candidate*, Carleton University, *An examination of urban Inuit relationships to the land in Ottawa, Ontario, Canada..*

Aaron R Petterborg*, Brigham Young University; Teresa Gómez, Brigham Young University; Adrian Bailey, Ph.D., University of Leeds, *A Simultaneous Study of Salvadoran Families across the Americas.*

Katherine Nolan*, University of Wisconsin-Eau Claire, *Representations of Islam in Upper Midwest News Media: Content Analysis of Newspaper Articles.*

Eleni Charou*, Ncsr Demokritos; Antonios Marmarinos, Counselor for Education, Embassy of Greece, Washington DC; Marianthi Stefouli, Dr, Institute of Geology & Mining; Aristotelis Martinis, Tei of Ionian Island, *Alternative Tourism :A Case Study of Eco - Flaneur.*

Sophie Tullier, Undergraduate*, University of Maryland, College Park, *Latino/a Student Leadership on a College Campus.*

Thomas A. Wikle*, Oklahoma State; Guy Bailey, Texas Tech; Michael P. Larson, Oklahoma State University, *Cartographic Methods for Portraying English in North American.*

Cayla Augusta Buttram, Student*, University of North Alabama; Greg G Gaston, Assoc. Prof. of Geography, University of North Alabama, *The Space Between: How Spatial and Cultural Isolation Affect Language and Culture.*

Mia DeNardi*, Miami University Undergraduate, *Cultural Identity, Territory, and the Palio in Siena, Italy.*

Richard Vercoe*, University of Wyoming, Graduate Student, *Environmental education impacts on remote rural community development.*

Nathan Nunnally*, University of North Alabama; Michael Pretes, University of North Alabama, *Bluegrass Music: Still Close to the Hearth?.*

Stephen Michael Yancey*, University of North Alabama, *A Harder Kind of Rock Band: Geology and History of Brindlee Mountain, North Alabama..*

Darin Mertig*, UW-Eau Claire, *Geographic Bias in the NFL Draft, 1970-2009.*

Jimmy L. Terry*, University of North Alabama; Michael Pretes, University of North Alabama, *The Geography of Literature: An Analysis of the United States.*

Erik Prout*, Texas A&M University, *A Geography of the Hash House Harriers.*

Simon J. Reid*, University of Arkansas, *Perception of Educational Access and Nationhood: South Asian Muslims in Bradford, England.*

Matthew Liesch*, University of Wisconsin-Madison, *Pictures and a Park: The Use of Photo-elicitation in Understanding Conceptions of Keweenaw National Historical Park.*

Kevin Romig*, Texas State University; Kathleen Seal*, Texas State University, *Divergent Senior Housing: Evidence from Austin, Texas.*

Candice R. Luebbering*, Department of Geography, Virginia Tech; Korine N. Kolivras, Department of Geography, Virginia Tech; Stephen Prisley, Department of Forestry, Virginia Tech, *The Lay of the Language: Surveying the cartographic characteristics of language maps.*

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- 2646. Antipode Lecture sponsored by Wiley-Blackwell**
Room: *Lincoln Room 2, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Wendy Larner, University of Bristol
 CHAIR(S): Wendy Larner, University of Bristol
- 2647. SAM Student Paper Competition (Sponsored by Spatial Analysis and Modeling Specialty Group)**
Room: *Lincoln Room 3, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Edmund J. Zolnik, George Mason University
 CHAIR(S): Edmund J. Zolnik, George Mason University
4:40 Lina Cao*, Department of Geography, University of Utah; Thomas J. Cova, Department of Geography, University of Utah, *Simulating Hantavirus Dynamics in Deer Mice Using a Spatially Explicit Agent-based Model.*
4:55 Woo Jang*, University of Georgia, *Spatial Interpolation and Analysis of Commuting Flows.*
5:10 Katherine Johnson*, Stanford University (Student), *Visualizing Future Residential Development in Northeastern Massachusetts Under Four Scenarios.*
5:25 Xingjian Liu*, Department of Geography, Texas State University - San Marcos, *A Monte Carlo examination of information criterion for comparing spatial regression model specifications.*
5:40 Timothy P Morrissey*, Dept of Geography, University of North Carolina at Chapel Hill, *Decision Support System (DSS) for the Identification of Potential Reservoir Sites for Public Water Supplies in North Carolina.*
5:55 Xining Yang*, Eastern Michigan University; Yichun Xie, Eastern Michigan University, *Simulating the dynamic urban growth in the desakota Suzhou Region, China: An integrated GIS and agent-based modelling approach.*
- 2648. Fluvial Geomorphology IV (Sponsored by Geomorphology Specialty Group)**
Room: *Lincoln Room 4, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Inci Guneralp, Texas A&M University; Peng Gao, Syracuse University
 CHAIR(S): Peng Gao, Syracuse University
4:40 Chris S. Renschler*, University at Buffalo - The State University of New York (SUNY), *Enhancing Community Resilience against Multi-dimensional Extreme Events: An Integrated Watershed and Geomorphic Systems Management Approach.*
5:00 Tian Zhou*, State University of New York, College of Environmental Science and Forestry; Theodore Endreny, State University of New York, College of Environmental Science and Forestry, *Hyporheic Exchange Flow around in-channel restoration structures: Simulation and Flume Experiments.*
5:20 Candice York*, University of the West Indies, Mona Campus, *Streambank erosion in the Maracas River, Trinidad: an examination of geomorphic thresholds..*
5:40 Bohumir Jansky, Assoc.Prof.*, Charles University in Prague, Czech Republic; Zbynek Engel, Charles University in Prague, Czech Republic, *The Amazon Main Source Area In The Cordillera Chila, Peru (New hydrographic, geomorphologic and glaciologic analyses).*
- 2650. How GIS is changing the way we do Business (Sponsored by Business Geography Specialty Group)**
Room: *Lincoln Room 6, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Linda A. Peters, ESRI
 CHAIR(S): Linda A. Peters, ESRI
4:40 Linda A. Peters*, ESRI, *GIS - Transforming Business and Delivering Value.*
- 5:00** Lawrence Joseph*, Arizona State University, *An Exploratory Analysis of the Spatial Dispersion and Patterns of Intratype and Intercategory Competitors in Retail Markets.*
5:20 Vladimir Yassenovskiy*, University of Alberta, *Predicting facilities patronage for industries with elastic demand. The example of video lottery terminal gaming in Alberta, Canada.*
5:40 Hyunwoo Lim*, University of Maryland - College Park; Jongwon Lim, Seoul National University; Hanseok Lee, Seoul National University, *Spatial Mismatch Problem in Door-to-Door Life Insurance Sales Business: Case Study in Seoul, Korea.*
6:00 James Herries*, ESRI; Lynn Wombold, ESRI; Earl Nordstrand, ESRI, *Ground Truth: Integrating Small Area Estimates and GIS.*
- 2654. The World's Information, Organized Geographically**
Room: *Washington Room 4, Marriott, Exhibition Level (Panel Session)*
 ORGANIZER(S): Tanya Keen, Google Earth
 CHAIR(S): Rebecca Moore, Google Earth Outreach
 Discussant(s): Peter Birch, Google Earth Product Manager
 Panelists: Christopher Cronin, Google SketchUp; Jessica Pfund, Google Map Maker; Rebecca Shapley, Google Fusion Tables; Natasha Wyatt, Google Earth Enterprise
- 2656. Exploring the geography of socio-technical transitions to environmentally sustainable economies: part III (Sponsored by Energy and Environment Specialty Group)**
Room: *Blue Room, Omni Shoreham (Paper Session)*
 ORGANIZER(S): Lars Coenen, Lund University, Sweden; Bernhard Truffer, Eawag
 CHAIR(S): Michael Hodson, University of Salford
 Introducer: Bernhard Truffer
4:50 Luis Carvalho*, Erasmus University Rotterdam; Giuliano Mingardo, Erasmus University Rotterdam; Jeroen van Haaren, Erasmus University Rotterdam, *Green urban transport policies and clean tech innovations: evidence from Curitiba, Gothenburg and Hamburg.*
5:10 Lars Coenen*, Lund University, Sweden; Bernhard Truffer, EAWAG, Switzerland; Paul Benneworth, Twente University, the Netherlands, *Towards an economic geography of socio-technical transitions to sustainability.*
5:30 Fabian Streiff*, University of Berne, *Green Innovation: Renewable Energies and the Importance of the Region.*
5:50 Doug Gress, Ph.D.*, Seoul National University, *Sunny Side Up: Research Considerations and Preliminary Findings from a Study of China's Solar Industry.*
 Discussant(s): Sharon Moran, State University of New York - Env. Science and Forestry, Syracuse, NY
- 2657. Contemporary Geographies of Value Production (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Cabinet, Omni Shoreham (Paper Session)*
 ORGANIZER(S): Zachary Hurwitz; Maya Manzi, Clark University
 CHAIR(S): Zachary Hurwitz
4:40 Brett Christophers*, Uppsala University, *Placing finance: on the productivity of labor and geographies of value.*
5:00 Zachary Hurwitz*, UC Davis Anthropology, *Immaterial Value and Ontological Uncertainty in an Emerging Agro-diesel Future.*
5:20 Kolson Schlosser*, Clarkson University, *Towards a Critical Geography of 'Bling': Landscape, Race and Representation in the Canadian Diamond Industry.*
 Discussant(s): Dianne E. Rocheleau, Clark University

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- 2658. A Deeper Sense of Place: New Geographies of Indigenous-Academic Collaboration III (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Calvert, Omni Shoreham (Panel Session)
 ORGANIZER(S): Jay T. Johnson, University of Kansas; Soren Larsen, University of Missouri
 CHAIR(S): Soren Larsen, University of Missouri
 Panelists: Jay T. Johnson, University of Kansas; Soren Larsen, University of Missouri; Laurie Richmond, University of Minnesota; Matalena Tofa, Macquarie University; Deborah McGregor, University of Toronto; Nicole Gombay, Tyler McCreary, York University; Katrina Oliveira, University of Hawaii at Manoa; Sarah F. Trainor, University of Alaska - Fairbanks; Sarah De Leeuw, University of Northern British Columbia
- 2659. Open Source Software for GIS and Spatial Analysis (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**
Room: Capitol, Omni Shoreham (Panel Session)
 ORGANIZER(S): Luc Anselin, Arizona State University; Sung-Gheel (Gil) Jang, Cleveland State University
 CHAIR(S): Luc Anselin, Arizona State University
 Panelists: Serge Rey, Arizona State University; Roger Bivand; Mark McCann, ASU; C. Michael Barton, Arizona State University; Helena Mitasova; Charles Schweik, University of Massachusetts, Amherst
- 2660. Topics in Water Resources III**
Room: Chairman, Omni Shoreham (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jiao Wang, Texas State University - San Marcos
4:40 Stanley T Mubako*, Full Time Student; Christopher Lant, Dr., Southern Illinois University Carbondale, *Water Resource Requirements of Corn-based Ethanol*.
5:00 Kamal Alsharif*, University of South Florida; Geoffrey Fouad, University of South Florida, *Ranking Lakes According to their Water Quality Indicators and land Use Cover*.
5:20 James Baginski*, Ohio State University; Christine Biermann, Ohio State University, *Water Rights or Wrongs? Conflict Between Private Landowners and Public Access Advocates Regarding the 1985 Montana Stream Access Law*.
5:40 Han Chao*, Virginia Tech, Stat Dept; Dong-Yun Kim, Virginia Tech, Stat Dept., *A Change Point Analysis of Drought Frequency in East Africa*.
6:00 Jiao Wang*, Texas State University - San Marcos; Nate Currit, Texas State University-San Marcos, *Modeling the Water Cycle in a Semiarid Region*.
- 2661. Biopolitical Economies II: Government, Technology, Subjectivity (Sponsored by Economic Geography Specialty Group)**
Room: Congressional A, Omni Shoreham (Paper Session)
 ORGANIZER(S): Maria Fannin, University of Bristol
 CHAIR(S): Maria Fannin, University of Bristol
4:40 Paul SB Jackson*, University of Toronto, *"The Money Value of a Man": Health Experts' Economic Arguments at the Turn of the 20th Century*.
5:00 Kean Birch, Dr*, University of Strathclyde; Les Levidow, Dr, Open University; Theo Papaioannou, Dr, Open University, *Privatising Knowledge, Commercialising Nature: Self-fulfilling Narratives of the European Knowledge-based Bio-economy*.
5:20 Maria Fannin*, University of Bristol, *Personal Stem Cell Banking; or, The Desire for Self-Valorization*.
 Discussant(s): Ben Anderson, Durham University
- 2662. Geography of Post-Fordism: Capital**
Room: Congressional B, Omni Shoreham (Panel Session)
 ORGANIZER(S): Waquar Ahmed, Mount Holyoke College; Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin
 CHAIR(S): Waquar Ahmed, Mount Holyoke College
 Panelists: Eric S. Sheppard, University of Minnesota - Minneapolis; Gordon L. Clark, University of Oxford; Nancy Ettlinger, Ohio State University; Geoff Mann, Simon Fraser University; Mazen Labban, University of Miami; Nigel J. Thrift, University of Warwick
- 2663. Semantics III: Geospatial Applications (Sponsored by Cyberinfrastructure Specialty Group)**
Room: Council, Omni Shoreham (Paper Session)
 ORGANIZER(S): Wenwen Li, George Mason University; Alexandre Sorokine, Oak Ridge National Laboratory
 CHAIR(S): Robert Raskin, Jet Propulsion Lab
4:40 Mitch Chapura*, University of Georgia, Dept of Geography, *Scale, Causality, Complexity and Emergence: Rethinking Scale's Ontological Status and its Relevance to Comprehending Socio-Ecological Processes*.
5:00 Hyowon Ban*, California State University, Long Beach; Ola Ahlqvist, The Ohio State University, *Multi-group user evaluation of interactive geovisualization tool for communication of uncertain urban ontologies*.
5:20 Yuqi Bai*, CSISS, George Mason University; Liping Di, CSISS, George Mason University; Xuanang Cheng, CSISS, George Mason University; Yaxing Wei, Oak Ridge National Laboratory; Douglas Nebert, USGS, *GEOS Component and Service Registry: Enabling the Registering and Discovering of Geospatial Resources Worldwide*.
5:40 Gaurav Sinha, Dr*, Ohio University, *An Object-Field Ontology for Representing Topographic Eminences*.
6:00 David M. Mark*, University at Buffalo; Lars Brabyn, Waikato University, New Zealand, *Using Viewsheds, GIS, and a Landscape Classification to Annotate Landscape Photographs*.
- 2664. Contemporary geographic research on (im)migration 5: Immigration and the politics of belonging and identity II (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Canadian Studies Specialty Group)**
Room: Diplomat, Omni Shoreham (Paper Session)
 ORGANIZER(S): Patricia Ehrkamp, University of Kentucky; Helga Leitner, University of Minnesota - Minneapolis
 CHAIR(S): Caroline Nagel, University of South Carolina
4:40 Ishan Ashutosh*, Syracuse University, *Regimenting South Asian Diasporas: The Multicultural and Transnational Politics of Toronto's Indians and Tamil Sri Lankans*.
5:00 Rini Sumartojo*, Simon Fraser University, *Identity and the second generation: Indo-Canadian youth, gangs, and violence*.
5:20 Deborah A. Phillips*, University of Leeds/Oxford, *Claiming Spaces and Negotiating Urban citizenship: Accommodating New Migrants in the UK*.
5:40 Ceri Oeppen, DPhil*, University of Sussex, *"Going to Afghanistan Made Me Realize the Bay Area is Home": Interactions Between Return and Assimilation*.
6:00 Liana Vasseur*, University of Kentucky, *Staying here, going home: exile and the politics of belonging*.

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- 2665. Hurricanes V: Paleotempestology (Sponsored by Coastal and Marine Specialty Group, Paleoenvironmental Change Specialty Group)**
Room: *Director's, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Harry Williams, University of North Texas; Kam-Biu Liu, Louisiana State University
 CHAIR(S): Michael Grossman, Department of Geography SIUE
4:40 Harry Williams*, University of North Texas, *Geologic Record of Hurricane Landfalls in the Chenier Plain of Southwest Louisiana*.
5:00 Kathryn C Denommee*, Memorial University of Newfoundland; Samuel J Bentley, Memorial University of Newfoundland, *High-resolution Record of Cyclone Strikes from the Blue Hole, Lighthouse Reef, Belize*.
5:20 Lawrence M Kiage, PhD*, Georgia State University, *A Paleohurricane Record from Wassaw Island, Georgia*.
5:40 Devyani Kar, PhD Candidate*, Louisiana State University; Kam-biu Liu, PhD, Professor, Louisiana State University; Terrence McCloskey, PhD, Louisiana State University, *Using Paleotempestology to understand long-term hurricane risk for Nicaragua*.
 Introducer: Michael Grossman
- 2666. Immigrants in American and Canadian Cities (Sponsored by Population Specialty Group, Canadian Studies Specialty Group, Ethnic Geography Specialty Group)**
Room: *Embassy, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Wei Li, Arizona State University; Carlos Teixeira, University of British Columbia Okanagan
 CHAIR(S): Carlos Teixeira, University of British Columbia Okanagan
 Introducer: Carlos Teixeira
 Panelists: Wei Li, Arizona State University; Lucia Lo, York University; Thomas D. Boswell, University of Miami; Luisa Veronis, University of Ottawa; Susan Hardwick, University of Oregon
- 2668. Malaria in South Asia: Calling Attention to the Forgotten (Sponsored by Health and Medical Geography Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**
Room: *Forum, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Vandana Wadhwa, Boston University
 CHAIR(S): Bimal Kanti Paul, Kansas State University
 Introducer: Ashok K. Dutt
 Panelists: Bimal Kanti Paul, Kansas State University; Ashok K. Dutt, University of Akron; Syed Kazmi, University of Karachi; Ishrat Islam, Bangladesh University of Engineering and Technology; Michael Emch, University of North Carolina at Chapel Hill; Nicole Wayant, Kansas State University
- 2669. Washington DC: Competing Landscapes and Conceptions (Sponsored by Study of the American South Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Governor's, Omni Shoreham* (Panel Session)
 ORGANIZER(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill; Derek H. Alderman, East Carolina University
 CHAIR(S): Michael Finewood, University of South Carolina
 Panelists: Dawn Biehler; Carolyn Gallaher, American University; Kathryn Wells, Syracuse University; RDK Herman, National Museum of the American Indian; Lauren Pearlman, Yale University

- 2670. Dams and Floods**
Room: *Hampton, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Munshi Rahman
4:40 Jacob Andrew Maas*, Texas State University-San Marcos, *Modeling Downstream Hydrologic and Geomorphic Impacts of Dam Removal*.
5:00 Colin S. Belby, Ph.D.*, University of Wisconsin - La Crosse, *Looking below the surface: Nutrients and Pre-Lock and Dam Mississippi River Floodplain Sediment*.
5:20 Benjamin Kofi Nyarko*, Dept of Geography and Regional Planning, University of Cape Coast, Ghana; B Diekkruiger, Dept. of Geography, University of Bonn, Germany; N C Van De Giesen, Department of Water Management, Faculty of Civil Engineering and Geosciences, Delft Technical University, The Netherlands; P.L.G. Vlek, Centre for Development Research, Walter Flex Str 3, 53113, Bonn, Germany, *Floodplain-wetland mapping in the White Volta River Basin, Ghana*.
5:40 Christiana Ndidi Emu, Ms*, University of Ibadan; Christiana Ndidi Emuh, Ms, University of Ibadan, Ibadan Nigeria, *Downstream Flooding along the River Niger*.
6:00 Munshi Khaledur Rahman*, *Usefulness of Emergency Planning in the Flood of 2008 and Windstorm of 2009 in Cedar Falls, Iowa*.
- 2672. Small Town Geographies**
Room: *Senate, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Matthew Ryan Cartlidge, Kansas State University
4:40 Anne Donovan*, Emporia State University, *Rural Repasts: Social Capital and the Small Town Café*.
5:00 Maja Lagerqvist*, Stockholm University, *Places of past poverty and present idyll: the transformation and idealisation of rural cottages and smallholdings*.
5:20 Mark A. Hummer*, University of Kansas, *Salt Lake City Urban Cultures: The Main Street Plaza and Beyond*.
5:40 Thomas Buerk*, Institute of Regional Development (IRS) - Erkner/Berlin and Humboldt-University Berlin, *Contradictions in East Germany's small towns: Public spaces as lost arenas of civil society?*.
6:00 Matthew Ryan Cartlidge*, Kansas State University, *There's No Place Like Home: The Elderly's Post-Tornado Attachment to Greensburg, Kansas*.
- 2675. Trees and Environmental Change**
Room: *Park Tower 8211, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ze'ev Gedalof, University of Guelph
4:40 James J. Hayes*, California State University Northridge, *Valley Oak Stand Structure and Regeneration at Three Sites in the Santa Monica Mountains, CA, USA*.
5:00 Margot W Kaye, PhD*, Penn State University; Mark Lesser, University of Wyoming; Stephen T Jackson, PhD, University of Wyoming; Connie Woodhouse, PhD, University of Arizona, *Ponderosa pine woodlands in the west-central Great Plains have a 200+ year history*.
5:20 Samuel R. Lammie*, Monongahela National Forest, *The Red Spruce Community: Management Value in the Heights*.
5:40 Shishi Liu*, University of California, Santa Barbara; Oliver Chadwick, University of California, Santa Barbara, *The Influence of Soil Moisture Fluctuations on Primary Production in Mediterranean Oak Savanna, Grassland, and Shrubland in California*.

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6:00 Ze'ev Gedalof*, University of Guelph; Eric DaSilva, University of Guelph; Lori Daniels, University of British Columbia, *Fire History of the Joseph Gold Creek Watersheds, Kootenay Mountains, BC, Canada.*

2676. Urban Planning and Tourism

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sarah Moser, M.I.T.

4:40 Siyoung Park*, Western Illinois University, *Popular Rural Cultural Tourism: Temple Stay in Korea.*

5:00 Sukhyun Park*, SUNY ESF, *Collaborative Process in Regional Development and Coastal Resource Management in South Korea.*

5:20 Jacqueline Salmond*, University of Kentucky, *Economic Activity within Tourism: Reframing Participation.*

5:40 Sarah Moser*, Center for Urban and Global Studies, Trinity College, *Theme parks as tools for the construction of national identity in Southeast Asia.*

2677. Psychogeographies of Possibility: Re-imagining Spaces in Critical Times

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Susan Lucas, Temple University

CHAIR(S): Susan Lucas, Temple University

4:40 Nadiah Ahmad*, Temple University, *Urbicide as a tool of War: How Urbicide affects the landscape.*

5:00 Elisa Ravazzoli*, University of Bologna, *The High Amenity Zones of New York.*

5:20 Siqin Wang*, Student Membership, *Employment Distributions and High Amenity Zones in the Great American Cities.*

5:40 Catherine Renee Tapp*, Temple University, *Neighborhood Associations in the Urban Environment: The Inclusive or Exclusive Re-Imagining of Space.*

Discussant(s): Rickie Sanders, Temple University

2678. Remote Sensing of the Cryosphere

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Klaus J. Bayr, Keene State College

4:40 Iliyana D. Dobрева*, Texas A&M University; Andrew G. Klein, Texas A&M University, *Snow-Fraction Mapping from MODIS using Artificial Neural Networks.*

5:00 Andrew Klein*, Texas A&M University; Iliyana D Dobрева, Texas A&M University, *Snow-fraction mapping from MODIS using a time-series approach.*

5:20 Hongyi Wu*, University of Electronic Science and Technology of China; University of Maryland, College Park; Shunlin Liang, University of Maryland, College Park; Tao He, University of Maryland, College Park, *MODIS/MISR Retrieved and Modeled Snow Surface BRDF Properties over Greenland.*

5:40 Jaehyung Yu*, Texas A & M University-Kingsville; Hongxing Liu, University of Cincinnati; Lei Wang, Louisiana State University; Quan Tang, Louisiana State University, *Quantitative Analysis of Antarctic Coastal Geomorphology based on ICESat Laser Altimetry along-track profiles.*

6:00 Klaus J. Bayr*, Keene State College, *The recessions of the Pasterze Glacier, Austria from 1864 to 2009.*

2679. Moral Geographies

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jennifer Smith, West Virginia University

4:40 Mvuselelo Ngcoya*, American University, *Fanon's 21st Century Moral Geography.*

5:00 Edward Ramsamy*, Rutgers University, *The World Bank and Management of Empire.*

5:20 Maximilian Mayer, M.A.*, Bonn University, *Global Power Shift? The Role of Knowledge.*

5:40 Terrence Haverluk, professor*, US Air Force Academy, *Geopolitics and the Biomes of Power.*

6:00 Jennifer L Smith, MA*, West Virginia University; Paul O'Keefe*, West Virginia University; Christopher Napier*, West Virginia University; Naomi Shanguhya, MA, West Virginia University; Lindsey D Felton, West Virginia University, *Resource Extraction and Accumulation by Dispossession: The Case of West Virginia.*

2680. Geographic Business Strategies

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zachary Klaas, Connecticut State University (Central Campus - CCSU)

4:40 Kliment Minev Naydenov*, Member, *Multinational Companies Managers And Geography - How To Understand Different Cultures.*

5:00 Arup K. Sen, Dr.*, D'Youville College; Kushnood Haq, Dr., D'Youville College, *Outsourcing and Collaboration Activities of Small and Medium -Sized Manufacturing Firms.*

5:20 Haifeng Qian*, George Mason University; Kingsley E. Haynes, George Mason University, *The Geography of US Business Support Infrastructure.*

5:40 Hubert B. Stroud*, Arkansas State University; Thomas O. Graff*, University of Arkansas, *Competition Among Grocery Chains in Pennsylvania.*

6:00 Zachary Klaas*, Connecticut State University (Central Campus - CCSU), *Varying the Variable: Presenting Different Cases for the "Attractiveness" of a Retail Site.*

2681. Infectious Disease, Politics, and Discourse at Multiple Scales

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Gabriel Blouin Genest, University of Ottawa

4:40 Jenna Dixon, M.A.*, University of Western Ontario; Isaac Luginaah, Ph.D., University of Western Ontario; Paul Mkandawire, University of Western Ontario, *Green-light, Yellow-light: HPV Vaccinations and Ontario Public Policy.*

5:00 Sarah E Schwartz*, University of South Carolina, *Unprotected sex with sugar-daddies and steady boyfriends: how understanding women's decisions could improve condom campaigns on Swaziland's university campuses.*

5:20 Kristina Monroe Bishop*, University of Arizona, *The Limits of Integration: The Healing Spaces of Traditional and Biomedical Practitioners in South Africa.*

5:40 Harris Ali, PhD*, York University, *A Comparative Analysis of the SARS and Influenza A/H1N1 Pandemics.*

6:00 Gabriel Blouin Genest*, University of Ottawa, *Surveillance anatomy: disease, space and power in global health security.*

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2682. In the Tradition of Cultural Landscapes

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zdenek Kucera, Charles University in Prague,
Faculty of Science

4:40 Adam Romero*, University of California Berkeley, *Glacken Revisited: Ideas of Nature and Culture 1800-1960.*

5:00 Gilles Rudaz*, Massachusetts Institute of Technology, *Thinking Like a Mountain? A Constructivist Approach to Regional Mountain Conventions.*

5:20 Richard Eathorne, Assistant Professor, Department of Geography*, Northern Michigan University, *Whatever Happened to the Man-Land Tradition of Geography? Environmental Science 101: Integrating Geographical Thinking Back Into the Critical Thinking Process in the Undergraduate Course Experience.*

5:40 Zdenek Kucera*, Charles University in Prague, Faculty of Science, *Approaches to the study of landscapes in geography: incongruity or complementarity?.*

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7:30 PM - 9:00 PM; 7:30 PM - 10:30 PM

2773. AAG PAST PRESIDENT'S ADDRESS

by John A. Agnew

Waterpower: Politics and Geography of Water Provision

Thursday, April 15, 6:30 p.m. - 7:45 p.m.

Room: Marriott Ballroom Salon 2, Lobby Level

Introduction: Carol P. Harden, AAG President, University of Tennessee

Speaker: **John A. Agnew**, AAG Past President, University of California, Los Angeles

Access to potable water will likely be the defining geographical crisis of the twenty-first century. The purpose of this address is to argue, first, that the water problem is predominantly a political one in which democratic politics can in fact work to achieve outcomes other than the choice between destruction and despair that seems most popular these days; and second, that we have trouble recognizing this because we have views about politics, and not just in relation to water provision, that either subordinate it to various natural or economic forces or trivialize it in a populist vein as corrupt, venal, and compromised. The word "compromise" is seen in a particularly negative light. "All or nothing" is the leitmotif of most of what goes for what politics should be. The possibilities of actual political processes, formal and informal, excite limited interest. Self-defined radicals and conservatives alike passively wait for their various "end times." Too often the attitude is: if I don't get everything, then I'll take nothing. For water's sake we must take politics more seriously.

The AAG Presidential Achievement Award also will be presented to Professor **Peter Meusbarger** prior to the Past President's Plenary.

AAG INTERNATIONAL RECEPTION in the EXHIBIT HALL

Thursday, April 15, 7:30 p.m. - 9:00 p.m.

Room: AAG Exhibit Hall: Exhibit Hall A, Marriott, Exhibition Level

Mingle with colleagues from around the world at the International Reception in the Exhibit Hall. The reception will provide opportunities for all AAG participants to welcome overseas attendees and explore with them common interests in teaching, research, and service. Free drink with AAG ticket (provided in your registration packet). See pages 62-63 for a list of exhibitors and an exhibit hall floor plan.

WORLD GEOGRAPHY BOWL

Thursday, April 15, 7:30 p.m. - 10:30 p.m.

Room: Washington Room 3, Marriott, Exhibition Level (Panel Session)

Student teams from the AAG's regional divisions will compete in a round robin tournament starting at 7:30 p.m. in Lincoln Room 6 and Washington Rooms 1, 2, 3, and 5, all located in the Marriott Wardman Park on the Exhibition Level. The Championship Round will begin at approximately 10:00 p.m. (see page 26 for additional information)

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- 2802. Geography of Religions and Belief Systems Specialty Group Business Meeting (Sponsored by Geography of Religions and Belief Systems Specialty Group)**

Room: Delaware Suite A, Marriott, Lobby Level (Meeting Session)

- 2803. Economic Geography Specialty Group Business Meeting (Sponsored by Economic Geography Specialty Group)**

Room: Delaware Suite B, Marriott, Lobby Level (Meeting Session)

- 2809. Indigenous Peoples Specialty Group Business Meeting (Sponsored by Indigenous Peoples Specialty Group)**

Room: Maryland Suite B, Marriott, Lobby Level (Meeting Session)

- 2810. Hazards Specialty Group Business Meeting (Sponsored by Hazards Specialty Group)**

Room: Maryland Suite C, Marriott, Lobby Level (Meeting Session)

- 2815. Public/Private Affinity Group Business Meeting (Sponsored by Private/Public Affinity Group)**

Room: Park Tower 8212, Marriott, Lobby Level (Meeting Session)

- 2816. Animal Geography Specialty Group Business Meeting (Sponsored by Animal Geography Specialty Group)**

Room: Park Tower 8216, Marriott, Lobby Level (Meeting Session)

- 2822. Business Geography Specialty Group Business Meeting (Sponsored by Business Geography Specialty Group)**

Room: Virginia Suite C, Marriott, Lobby Level (Meeting Session)

- 2823. Latin America Specialty Group Business Meeting (Sponsored by Latin America Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Meeting Session)

- 2825. Geomorphology Specialty Group Business Meeting (Sponsored by Geomorphology Specialty Group)**

Room: Hoover, Marriott, Mezzanine Level (Meeting Session)

- 2829. Asian Geography Specialty Group Business Meeting (Sponsored by Asian Geography Specialty Group)**

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Meeting Session)

- 2830. Graduate Student Affinity Group Business Meeting (Sponsored by Graduate Student Affinity Group)**

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Meeting Session)

- 2842. Cyberinfrastructure Specialty Group Business Meeting (Sponsored by Cyberinfrastructure Specialty Group)**

Room: Wilson A, Marriott, Mezzanine Level (Meeting Session)

- 2843. Environmental Perception and Behavioral Geography Specialty Group Business Meeting (Sponsored by Environmental Perception and Behavioral Geography Specialty Group)**

Room: Wilson B, Marriott, Mezzanine Level (Meeting Session)

- 2844. Health and Medical Geography Specialty Group Business Meeting (Sponsored by Health and Medical Geography Specialty Group)**

Room: Wilson C, Marriott, Mezzanine Level (Meeting Session)

- 2847. John Hébert, Director, Geography and Map Division, Library of Congress**

The Geography and Map Division of the Library of Congress: More than 110 Years of Map Collecting and Service to Congress and Scholarship

Thursday, April 15, 8:00 p.m. - 9:30 p.m.

Room: Lincoln Room 3, Marriott, Exhibition Level

Introduction: Douglas Richardson, AAG Executive Director

Chair: Howard Lange, Washington Map Society

Speaker: **John Hébert**, Director, Library of Congress

John Hébert, Director of the Library of Congress Geography and Map Division, will deliver a special plenary presentation on the Library of Congress' geographic collections, its dynamic plans for the future, and how geographers can access the Library for research and pleasure.

This presentation is sponsored by the **Washington Map Society**.

- 2848. Geographic Information Science and Systems Specialty Group Business Meeting (Sponsored by Geographic Information Science and Systems Specialty Group)**

Room: Lincoln Room 4, Marriott, Exhibition Level (Meeting Session)

- 2868. Bible Geography Specialty Group Business Meeting (Sponsored by Bible Geography Specialty Group)**

Room: Forum, Omni Shoreham (Meeting Session)

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

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3102. Everyday geographies of non-violence (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Philippa Williams, University of Cambridge; Fiona McConnell
 CHAIR(S): Fiona McConnell
 Panelists: Sara Koopman, University of British Columbia; Lia Shimada, University College London; Jonathan Darling, University of Manchester; Philippa Williams, University of Cambridge

3103. Geographies of power in international politics (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Steven Radil, University of Illinois at Urbana-Champaign; Sang-Hyun Chi, University of Illinois at Urbana-Champaign
 CHAIR(S): Steven Radil, University of Illinois at Urbana-Champaign
 8:00 Steven M Radil*, University of Illinois at Urbana-Champaign, *Bordering on war: Power, networks and the diffusion of 'Africa's World War'.*
 8:20 Andrew Lohman*, USMA, *Territorial Control and Locations of Conflict: Assessing patterns of insurgent acts in the Viet Nam War.*
 8:40 Mary Manjikian*, Regent University, *Imagining Future Geographies: The Use of Science Fiction in Political and Geographic Analysis.*
 9:00 Shannon O'Lear, Ph.D.*, University of Kansas, *Climate Change: Power and Spatial Scale.*
 9:20 Sang-Hyun Chi*, University of Illinois at Urbana-Champaign, *Unravelling State, state and civil society in territorial conflict.*

3104. Geographies of Experimental Infrastructure 1: Interrogations (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): James Evans, University of Manchester; Andrew Karvonen, University of Manchester
 CHAIR(S): James Evans, University of Manchester
 8:00 Andrew Karvonen*, University of Manchester, *Possibilities of Urban Infrastructure: Governance, Citizenship, Intervention.*
 8:20 Nicholas Blomley*, Simon Fraser University, *Producing and governing the sidewalk: civil rights and civil engineering.*
 8:40 Tse-Hui Teh, MSAUD*, University College London; Sarah Bell, PhD, University College London, *Re-designing Water-cycle Infrastructures in the Lower Lea Watershed.*
 9:00 Franziska Hasselmann*, University of Fribourg, Switzerland; Joris Ernest Van Wezemael, University of Fribourg, Switzerland, *A techno-punk perspective on urban evolution.*
 9:20 Aaron M Brown*, Macalester College, *"Pedaling for a Better City: The Midtown Greenway and the Reuse of Deindustrialized Urban Space".*

3105. Transformative Approaches to Change in Geography Education (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Faculty Development Alliance (GFDA), Geography Education Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Janet Stuhrenberg Smith, Shippensburg University; Erin H. Fouberg, Northern State University
 CHAIR(S): Susan Hardwick, University of Oregon
 8:00 Michael Bradford, Prof*, University of Manchester; Carolyn Roberts, Prof, University of Oxford; Yolande Knight, Dr., University of Plymouth; Mick Healey, Prof, university of Gloucestershire, *Bringing about departmental change: piloting a new supportive process.*
 8:20 Erin H. Fouberg*, Northern State University, *Threshold Concepts in Geography.*
 8:40 Janet Stuhrenberg Smith*, Shippensburg University, *Perceptions from the Field: Threshold Concepts in World Regional Geography Courses.*
 9:00 Andrew Milson*, University of North Texas; Eui-Kyung Shin, Northern Illinois University, *Undergraduate Students' Spatial Thinking Skills: A Comparison of Geography Majors and Education Majors.*
 Discussant(s): Susan Hardwick, University of Oregon

3106. Combating Climate Change in Mega Cities 1

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Matias Ruiz Lorbacher, Freie Universität Berlin (Germany); Steven Bayer, Freie Universität Berlin
 CHAIR(S): Matias Ruiz Lorbacher, Freie Universität Berlin (Germany)
 8:00 J. Alexander Schmidt*, University Duisburg-Essen; Joerg Schoenharting, TRC, *Planning a Low Carbon City: The Hongqiao Business Area in Shanghai.*
 8:20 Sebastian Seelig*, Technische Universität Berlin; Sebastian Seelig, Dipl.-Ing., Department of Urban and Regional Planning, Technische Universität Berlin, *Integrated Models of Urban Development for Low Carbon Quarters. A Pilot Project in Hashtgerd New Town, Iran..*
 8:40 Harry Storch, Dr., Brandenburg University of Technology Cottbus, Department of Environmental Planning, Germany; Nigel Keith Downes*, Brandenburg University of Technology Cottbus, Department of Environmental Planning, Germany; Nguyen Xuan Thinh, PD Dr., Leibniz Institute of Ecological & Regional Development (IOER) Dresden, Germany; Michael Schmidt, Prof. Dr. Dr. h.c., Brandenburg University of Technology Cottbus, Department of Environmental Planning, Germany; Nguyen Thi Hien Thuan, Dr., MONRE Institute of Meteorology, Hydrology and Environment, Institute of Meteorology, Hydrology and Environment (IMHEN), Hanoi, Viet Nam; Ho Long Phi, Ho Chi Minh City University of Technology, HCM City, Viet Nam; Manfred Goedecke, AG Goedecke & Welsch, Berlin, Germany; Joern Welsch, AG Goedecke & Welsch, Berlin, Germany, *Urban Environmental Planning Strategies for Ho Chi Minh City's Adaptation Response to Climate Change.*
 9:00 Steven Bayer*, Freie Universität Berlin; Lisa Waniek, Freie Universität Berlin; Matthias Kracht, Freie Universität Berlin, *Sustainable Mobility and Traffic Management for Mega Cities: Using the Example of Hefei, China.*

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3107. Digital Media and Learning in Geography

Room: *Marriott Ballroom Salon 3, Marriott, Lobby Level* (Panel Session)

ORGANIZER(S): L. Jesse Rouse, UNC Pembroke; Susan J. Bergeron, West Virginia University

CHAIR(S): L. Jesse Rouse, UNC Pembroke

Panelists: L. Jesse Rouse, UNC Pembroke; Susan J. Bergeron, West Virginia University; Frank LaFone, West Virginia University; Jeffrey James Dunn, University of Connecticut

3108. Romania and Development

Room: *Maryland Suite A, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Georgeta Stoian Connor, University of Georgia

8:00 Péter Bagoly-Simó*, Babes-Bolyai University, Cluj-Napoca, Romania, *Surburb, Umland or Fringe? Conceptualizing (Post-)Transition Sprawl and Migration Patterns Around Transylvanian Cities.*

8:20 Cristian Talanga, University of Bucharest - CICADIT; Daniela Zamfir*, University of Bucharest - CICADIT; Valentina Ilinca Stoica, University of Bucharest - CICADIT, *Urban - rural interface within polycentric development.*

8:40 Cristian Braghina, AAG, University of Bucharest - CICADIT; Daniel Peptenatu, University of Bucharest - CICADIT; RADU-DANIEL PINTILII*, AAG, University of Bucharest - CICADIT; Cristian Draghici, University of Bucharest - CICADIT; Andrei Schvab, University of Bucharest - CICADIT, *Polycentric development strategy - an instrument in administrative decentralization.*

9:00 Ioan Ianos*, AAG, University of Bucharest - CICADIT; Loreta Andreea Cepoiu, University of Bucharest - CICADIT; Radu Daniel Pintilii, University of Bucharest - CICADIT; Daniela Rodica Stoian, University of Bucharest - CICADIT, *Translation of the asymmetric development from the city to the metropolitan area. Bucharest case study.*

9:20 Georgeta Stoian Connor*, The University of Georgia, *Rural Romania: Between Communist Collectivization and Integration into the European Union.*

3109. Spatializing "Camps:" Lived Experiences and Built Environments of Confinement I (Sponsored by Political Geography Specialty Group)

Room: *Maryland Suite B, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Romola Sanyal; Carol Lynne Horiuchi, University of California Berkeley

CHAIR(S): Romola Sanyal

8:00 Ulrich Best*, UBC, *Camps, control and transgression: international building sites in the Soviet Union.*

8:20 Francesca Recchia*, University of Kurdistan - Hawler, *From Forced Displacement to Urban Cores: The Case of Collective Towns in Iraqi Kurdistan.*

8:40 Robyn Plasterer*, University of British Columbia, *"Seeking Refuge from a Sea of Exception".*

9:00 Carol Lynne Horiuchi, Ph.D.*, University of California Berkeley, *The Mapping of Everyday Life in Japanese American 'Relocation Centers': Mine Okubo's Map of the City of Topaz.*

Discussant(s): Claudio Minca, Royal Holloway - University of London

3110. Politics of Inequality, Exclusion, and Misdirection

Room: *Maryland Suite C, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Chelsea Lynnette Hanchett, Penn State University

8:00 Antony Chum*, University of Toronto, Dept of Geography, *The geography of social exclusion.*

8:20 Clement Lai*, Cornell University, *Saving Japantown, Serving the People: The Scalar Politics of the Asian American Movement.*

8:40 Paul Karolczyk*, Louisiana State University, *The Place of Black Nationalism and the Republic of New Afrika in the United States.*

9:00 Chelsea L. Hanchett*, The Pennsylvania State University, *Out of Sight, In Limbo: The State of Texas, Anti-Colonial Development Policy, and Spaces of Inequality.*

3111. Topics in Urban and Medical Geography

Room: *Nathan Hale, Marriott, Lobby Level* (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sara McLafferty, University of Illinois

8:00 Jialing Wang*, Slippery Rock University of Pennsylvania, *A gradient analysis of relationships between pine forest landscape pattern and urbanization in Tallahassee, FL.*

8:06 Kathleen R Gill*, CUNY Graduate Center, *Outside the child's commute: conceptualizing non-school related autonomy and mobility of children through gender and the built environment.*

8:12 Wyatt Smith, UW O.M.A. Candidate*, *Masters Geography Student, Homeownership and Social Mobility in London, Ontario 1881.*

8:18 Eric Boschmann*, University of Denver, *The implications of temporary employment on U.S. job accessibility research.*

8:24 Jennifer Hsu*, University of Maryland, *A Web-Based Analysis of Washington, DC Real Property Tax Sales.*

8:30 Yvette M Williams*, University of Maryland Baltimore County, *Toward Neighborhood-Based Approaches for Urban Vacant Land Management.*

8:36 Nicholas A Gates*, University of Wisconsin-Milwaukee, *Contesting Neoliberalism with Faith: Milwaukee Inner-City Congregations Allied for Hope and its place in neoliberal Milwaukee.*

8:42 Emanuele Bompan, Dr.*, University of Bologna/ Spinner consortium /LMS; Marco Lampugnani, Arch., Snark; Gaspare Caliri, Dr., LMS / Spinner Consortium; Beatrice Manzoni, Dr.ssa, ASK - Università Bocconi, *Urban Design: Bike Sharing, Public Space and Ubiquitous computing. how to address the issue of light urbanism and sustainability.*

8:48 Matthew Mulbrandon*, Universiteit Utrecht, *Re-imagining Urban Transit: A scalable conceptual plan for integrating buses, bikes, streets, freeways, and rail in new cities.*

8:54 Robert M Leddy*, U.S. Bureau Of the Census, *Subnational Populations in a GIS for the Response to Global HIV/ AIDS.*

9:00 Marjorie McConnell, PhD*, University of New Mexico, *Hantavirus Pulmonary Syndrome in the Americas: Population concern for health and prevention in the context of place.*

9:06 Sara McLafferty*, University of Illinois, *Income Polarization and Health Inequalities: New York City in the 1990s.*

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- 3112. Conceptualising and Measuring Residential Segregation: Spatial Scale, Population Structure and Population Dynamics: I (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)**
Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): David Wong, George Mason University; Chris Lloyd, Queen's University, Belfast
 CHAIR(S): David Wong, George Mason University
8:00 Ceri PEACH, Professor Emeritus of Social Geography*, Oxford and Manchester Universities UK, *Paradigm shift in segregation measures*.
8:20 Naresh Kumar*, University of Iowa; Michael White, Professor, Brown University; Qiang Cai, PhD, The University of Iowa; Gayatri Gayatri Singh, Brown University, *Local and Global Measures of Racial/Ethnic Segregation*.
8:40 Seth E. Spielman*, Brown University; John Logan, Brown University, *Building neighborhoods from individuals: bottom-up spatially explicit models of neighborhood socio-spatial structure*.
9:00 Chris Lloyd*, Queen's University, Belfast; Ian Shuttleworth, Queen's University, Belfast; Gemma Catney, Queen's University, Belfast, *Neighbourhoods and the measurement of residential segregation*.
9:20 David W Wong*, George Mason University, *Evaluating Spatial Patterns of Racial-Ethnic Groups from a Proximity Perspective*.
- 3113. Power, Politics, and Water Resource Technologies I (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Kathleen O'Reilly, Texas A&M University
 CHAIR(S): Kathleen O'Reilly, Texas A&M University
8:00 Jamie McEvoy*, University of Arizona; Margaret Wilder, Ph.D., University of Arizona, *Political Ecologies of Desalination: Augmentation and Adaptation in Spain and Mexico*.
8:20 Antonio Augusto Rosotto Ioris, PhD*, University of Aberdeen, *The expansion of water infrastructure in Lima, Peru: Populism, neoliberalism and the increasing sophistication of social exclusion*.
8:40 Theresa Wong*, The Ohio State University, *Beyond hydropolitics: development, nature and region in the production of waterscapes*.
9:00 Olivier Graefe*, University of Fribourg, *Water politics after the failure of privatization in African cities*.
- 3114. We Counted You, Now What? Update on the 2010 Census and the American Community Survey (Sponsored by Applied Geography Specialty Group)**
Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census
 CHAIR(S): Jennifer Holland, U.S. Bureau Of the Census
8:00 Timothy F. Trainor*, U.S. Bureau Of the Census, *On the Ground, Into the File, and On the Map, with Everything Well in Hand: Geographic and Cartographic Support for the 2010 Census*.
8:20 Nancy K. Torrieri, Ph.D.*, U.S. Bureau Of the Census, *Update on the American Community Survey*.
8:40 Jennifer L Holland*, U.S. Bureau Of the Census, *2010 Census Geographic and Cartographic Products: What and When*.
- 3115. Ecological Analysis using Presettlement Land Survey Records (Sponsored by Biogeography Specialty Group)**
Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Yi-Chen Wang, National University of Singapore
 CHAIR(S): Yi-Chen Wang, National University of Singapore
8:00 John Davenport, PhD*, Centenary College of Louisiana, *Ecosystem Restoration in the Ouachita National Forest: Evaluating the Pragmatism of Pre-European Settlement Benchmarks*.
8:16 Todd D. Fagin, Ph.D.*, Oklahoma State University; Bruce W. Hoagland, Ph.D., University of Oklahoma, *Predictive Probabilistic Mapping of Public Land Survey System Witness Tree Data Using Weights-of-Evidence Modeling*.
8:33 Melissa Thomas-Van Gundy*, USDA Forest Service; Michael P. Strager, Dr., West Virginia University, *Spatial Attributes of Selected Witness Trees on the Monongahela National Forest, West Virginia*.
8:50 Linda R. Barrett*, University of Akron, *A Comparison of Presettlement and Present Day Forests in Paulding County, Ohio*.
9:07 André de Römer*, University of Quebec in Rimouski; Sébastien Dupuis, University of Quebec in Rimouski; Gabriel Fortin, University of Quebec in Rimouski; Raphaële Terrail, University of Quebec in Rimouski; Dominique Arseneault, Dr., University of Quebec in Rimouski, *The use of historic land surveys to reconstruct the presettlement forest in Quebec (Canada)*.
9:24 Chris Larsen*, University At Buffalo; Yi-Chen Wang, National University of Singapore; Barry Kronenfeld, George Mason University, *Changes In Forest Composition In Western New York And Northwestern Pennsylvania Between Presettlement, Present And Under 2X And 3XCO2 Climates*.
- 3116. Racial Ontologies and Corporeal Feminism I (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Shannon Hensley, University of Exeter; Rachel Slocum
 CHAIR(S): Shannon Hensley, University of Exeter
8:00 Rachel Slocum*, *Biopolitics, pleasure and racial becoming*.
8:20 Renisa Mawani*, Associate Professor, Sociology The University of British Columbia, *"Half-breeds," Racial Opacity, and Geographies of Crime: Law's Search for the Original Indian*.
8:40 Catherine Veninga*, College of Charleston, *Interracial Kinship and the Genealogical Imagination*.
9:00 Heidi J. Nast*, DePaul University, *Slings and arrows: narcissism and the racialization of incest*.
 Discussant(s): Claire Dwyer, University College, London
- 3117. China and Globalization IV: Cities (Sponsored by Urban Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)**
Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Yehua Dennis Wei, University of Utah; Xiaobin Zhao, University of Hong Kong
 CHAIR(S): Andrew M. Marton, University of Nottingham
8:00 David R. Meyer*, Washington University in St. Louis, *Hong Kong's Financiers Make it a Hub of Global Business Networks*.
8:20 Xuan Liu*, *Local Government vs. Industrial Groups in the Redevelopment of SOE land: A Case Study of Jinhuajie Industrial Area, Guangzhou*.

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8:40 Desheng Xue*, Sun Yat-Sen University, *Informal job agencies and their role in the 'World Factory' of the Pearl River Delta--A case study in Tangxia Township, Dongguan City.*

9:00 Hao Huang*, University of Utah; Yehua Dennis Wei, University of Utah, *Locational Determinants and Dynamic Processes of Foreign Direct Investment in China.*

9:15 Yuhui Li, Ph.D.*, Rowan University, *China's Colonization of Frontier Land, Regional Development and Urban Structure: A Case Study of the City of Shihezi in Xinjiang Uygur Autonomous Region (XUAR).*

3118. Agricultural Development in India: Issues, Policies and Solutions (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)

Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Vandana Wadhwa, Boston University

CHAIR(S): Jennifer Pomeroy, University of Maryland

8:00 Purnendu Mukherjee*, DOEACC Society, Department of IT, Ministry of Communications & IT, Government of India, *Computerization of Agricultural Census in the Indian Context.*

8:20 Arup Chattopadhyay*, DOEACC Society, Department of IT, Ministry of Communications & IT, Government of India, *Dynamics of Development: Agricultural Land Use Pattern in India.*

8:40 Raj Kapoor Sharma*, Executive Engineer, DVC Study Cell, Irrigation & Waterways Directorate, Government of West Bengal, India, *Water Resource Management in Lower Damodar Valley in India - A Case Study.*

3119. Hydroclimatology I (Sponsored by Water Resources Specialty Group, Climate Specialty Group, Cryosphere Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Timothy W Hawkins, Shippensburg University; Steven Quiring, Texas A&M University

CHAIR(S): Rezaul Mahmood, Western Kentucky University

8:00 Daniel S. Berkowitz*, National Weather Service, *Ground Truth for Weather Radar Target Identification.*

8:20 Jill S. M. Coleman, Ph.D.*, Ball State University; Dagmar Budikova, Ph.D., Illinois State University; Shane Strobe, Illinois State University; Andrew Austin, Illinois State University, *Hydroclimatic Aspects of the 2008 Summer Midwest Floods: Distribution and Evolution.*

8:40 Bradley J Austin*, Shippensburg University; Timothy W Hawkins, Shippensburg University, *Simulating Streamflow and the Impacts of Climate Change on the Savage River, Maryland.*

9:00 Gregory J. McCabe, Ph.D.*, United States Geological Survey; David M. Wolock, Ph.D., U.S. Geological Survey, *Century-scale variability in global annual runoff examined using a water balance model.*

9:20 Timothy W. Hawkins*, Shippensburg University, *Hydroclimatic and Agricultural Trends in the Eastern United States.*

3120. Climate Adaptation, Landscapes, and Institutions (CALI) IV (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan

CHAIR(S): Edward R Carr, University of South Carolina

8:00 Ewan S Robinson, M.A. Candidate*, University of Illinois at Urbana-Champaign; Harry W Fischer, M.A. Candidate, University of Illinois at Urbana-Champaign; Betsy Anne Beymer, Ph.D. Candidate, University of Illinois at Urbana-Champaign; Ashwini Chhatre, Ph.D., University of Illinois at Urbana-Champaign; Arun Agrawal, Ph.D., University of Michigan, *A network approach to the mutual constitution of adaptations, landscapes, and institutions.*

8:15 Mara Jill Goldman, PhD*, University of Colorado, *The Adaptation Paradox: Maasai, Drought, and the Challenge of mobility in Tanzania and Kenya.*

8:30 Hallie Eakin*, Arizona State University; Helda Morales, El Colegio de la Frontera Sur; Juan Francisco Barrera, El Colegio de la Frontera Sur; Gustavo Cruz-Bello, Instituto Nacional de Investigaciones Forestales, Agrícolas y Pecuarias, *Perception of risk and opportunities for adaptation in the coffee sector of Chiapas, Mexico.*

8:45 Kate Dunbar, University of Georgia; Christine Jurt, Ph. D., University of Zurich; Julie Brugger, Ph. D., UC Davis; Ben Orlove*, UC Davis, *The History, Current Situation and Possible Futures of Water Organizations in Three Glacierized Mountain Settings.*

Discussant(s): Edward R Carr, University of South Carolina

3121. Climate Change and Storm Frequency

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

ORGANIZER(S): Program Committee

CHAIR(S): Adam W. Burnett, Colgate University

8:00 John Jeffrey Martin, Ph.D.*, Jacksonville University, *Mean Direction of Tropical Storm Paths in the Southeastern United States by Latitude and Longitude Grids..*

8:20 Kelsey N Scheitlin*, Florida State University; James B Elsner, Florida State University, *A Geographic Approach to Hurricane Climatology Research.*

8:40 Cameron C. Lee*, Kent State University, *The Relationship of Large-Scale Atmospheric Circulation Patterns to Tornado Frequency and the Impacts of Climate Change.*

9:00 Adam W. Burnett*, Colgate University; Kathlin Ramsdell, Colgate University, *The Impact of Global Warming on the Strength, Track, and Frequency of North American Winter Extratropical Cyclones.*

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3122. Spanning Political Ecologies I: International and Multi-Paradigm Collaborations (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Paul Robbins, University of Arizona; Colin Polsky, Clark University

CHAIR(S): Paul Robbins, University of Arizona

8:00 Francois Bousquet*, CIRAD; Martine Antona; Denis Gautier; Nancy Peluso; Paul Robbins; Tor Benjaminssen; Tom Bassett; Lance Gunderson; Allyson Quinlan; Colin Polsky; Marco Janssen; Olivier Bonato; Jean-Michel Vassal; Raphael Mathevet, *The SETER project: socio-ecological theories and empirical research.*

8:20 Paul Robbins*, University of Arizona; Jean-Michel Vassal, CIRAD (Center for International Co-operation in Agronomic Research for Development); Tor Benjaminssen, Norwegian University of Life Sciences; Michel Lecoq, CIRAD (Center for International Co-operation in Agronomic Research for Development); Claude Peloquin, University of Arizona; Nancy Peluso, University of California - Berkeley, *The Insect State: Development, Politics and Capital in African Desert Locust Control.*

8:40 Denis Gautier*, CIRAD, France; Tor A. Benjaminssen, Norwegian University of Life Sciences; Marco A. Janssen, Arizona State University; Martine Antona, CIRAD, France, *Formalizing Fuelwood in Mali: the Adverse Effects of a Forest Reform.*

9:00 Monica Castro*, INRA UR767 Écodéveloppement; Bernard Hubert, INRA, *Implementing the International biodiversity discourse North and South: Comparing a Brazilian Rural Territory (TR) and a French Natural Regional Park (PNR)".*

Discussant(s): Kendra McSweeney, The Ohio State University

3123. Strategic Directions for the Geographical Sciences: The Forthcoming National Research Council Report

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Alexander B. Murphy, University of Oregon

CHAIR(S): Alexander B. Murphy, University of Oregon

Panelists: Glen M. MacDonald, UCLA; Dawn J. Wright, Oregon State University; Colin Polsky, Clark University; William G. Moseley, Macalester College; Victoria A. Lawson, University of Washington

3124. Agency briefing on Cyberinfrastructure (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Chaowei Yang, CISC/GMU

CHAIR(S): Chaowei Yang, CISC/GMU

Introducer: Chaowei Yang

Panelists: Jennifer Schopf, National Science Foundation; Douglas Nebert; Mark L. Demulder, United States Geological Survey; Robert Raskin, Jet Propulsion Lab

3125. Migrations

Room: Hoover, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick

CHAIR(S): Andrea Medovarski, OISE University of Toronto

8:00 Shannon Rose Riley, MFA, PhD*, San Jose State University, *Thinking Through the Windward Passage: Raced Spaces, Erased Histories.*

8:20 Ingrid M. Butler, MA*, Syracuse University, *"Unworthy to return": Engaging Black geographies to examine the effect of reconstruction efforts in post-Katrina New Orleans.*

8:40 Bridget Todd*, University of Maryland, College Park, *"Like half eaten cake": Migration and Hopelessness in Charles Burnett's Killer of Sheep.*

9:00 Andrea Medovarski*, OISE University of Toronto, *temp.*

3126. Changing Rural Geographies in the United States- I (Sponsored by Rural Geography Specialty Group, Population Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Peter B. Nelson, Middlebury College; John Cromartie, Economic Research Service, USDA

CHAIR(S): Peter B. Nelson, Middlebury College

8:00 Toni A. Alexander, Ph.D.*, Auburn University, *Ethnic Diversity and Economic Competition in Rural Alabama.*

8:20 Alexander C. Vias*, University of Connecticut, *Rural Labor Markets at the Start of the 21st Century.*

8:40 Glenn Fuguitt, PhD, University of Wisconsin, Madison; William Kandel*, Economic Research Service, USDA, *Comparisons across Different Race/Ethnic Backgrounds in Rural Retirement Counties.*

9:00 Christiane Von Reichert*, The University of Montana, *Intergenerational Relationships and Rural Return Migration.*

Discussant(s): Lise Nelson, University of Oregon

3127. Wine in Canada (Sponsored by Wine Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Denyse Lemaire, Rowan University;

Christopher Fullerton, Brock University

CHAIR(S): Christopher Fullerton, Brock University

8:00 Phillip Gordon Mackintosh*, Brock University, *The Niagara Wine Festival's Grande Parade: The Public Geography of a 'Grape and Wine' Controversy.*

8:20 Hugh J. Gayler*, Brock University, *Is Canadian wine really Canadian? Political and economic conflicts in the new wine industry.*

8:40 Michael Ripmeester*, Brock University; Johnston Russell, Department of Communication, Popular Culture and Film, Brock University, *Wine as Heritage: Landscape, Media, Entrepreneurship and the Forging of a Heritage Model..*

9:00 Christopher Fullerton*, Brock University, *The Growing Place of Wine in the Economic Development of the Niagara Region.*

9:20 Lindsay Walker, Masters Student*, Ryerson University, *What factors influence the implementation of environmental practices within the wine industry of southern Ontario..*

3128. Mapping Latin America (Sponsored by Historical Geography Specialty Group, Latin America Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Karl Offen, University of Oklahoma; Jessica Budds, The Open University

CHAIR(S): Karl Offen, University of Oklahoma

Panelists: Gregory W. Knapp, University of Texas - Austin; Karl S. Zimmerer, Penn State University; Karl Offen, University of Oklahoma; Christian Brannstrom, Texas A&M University; Matthew Restall

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3129. The Privatization of Public Space? Comparisons, periodizations and trajectories I (Sponsored by Urban Geography Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Kevin Ward, University of Manchester; Setha Low

CHAIR(S): Helen C. Jarvis, University of Newcastle Upon Tyne

8:00 Gordon MacLeod*, University of Durham, *New Urbanist Developments: Renewing the Public Realm?*.

8:20 Rich Heyman*, University of Texas at Austin, *The Geographical Limits of Eminent Domain: Unsettling the Public/Private Divide*.

8:40 Setha Low, Ph.D.*, Geography and Anthropology, The Graduate Center, CUNY, *Securitization Strategies: Gated Communities and Market Rate Co-ops in New York*.

9:00 William Thomson*, New York University, *Rewriting the City: Making Private Space in China Through Words of the State*.

9:20 Kurt Iveson, Dr*, University of Sydney, *Branded cities: outdoor advertising, urban infrastructure, and the outdoor media landscape*.

3130. Remote Sensing and GIS for Urban Analysis I (Sponsored by Urban Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Xiaojun Yang, Florida State University; Victor Mesev, Florida State University

CHAIR(S): Soe Win Myint, Arizona State University

8:00 Rebecca Powell*, University of Denver; Sharolyn Anderson, University of Denver, *Factors that influence assessment of sub-pixel fraction accuracy in urban environments*.

8:20 Jianquan Cheng*, Department of Environmental and Geographical Sciences, Manchester Metropolitan University, Chester Street, Manchester, M1 5GD, United Kingdom; Graham R. Smith, Department of Environmental and Geographical Sciences, Manchester Metropolitan University, Chester Street, Manchester, M1 5GD, United Kingdom, *Visualising Manchester's Dynamic Human Landscape Using Remote Sensing Data and GIS Methods*.

8:40 Libin Zhou*, Florida State University; Xiaojun Yang, Florida State University, *Quantifying Scale-Dependent Spatio-temporal Patterns of Urban Growth: An Experiment*.

9:00 Tenley Conway, Prof., University of Toronto; Christopher Wellen*, University of Toronto, *Where will they pave first, or: How best to model urban growth: Presence/absence or presence only methods?*.

Discussant(s): Victor Mesev, Florida State University

3131. Leftward Politics and Implications for Latin American Peoples and Landscapes I (Sponsored by Cultural and Political Ecology Specialty Group, Remote Sensing Specialty Group, Latin America Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Daniel Redo, Texas A&M University; Derrick Hindery, University of Oregon (International Studies and Geography)

CHAIR(S): Daniel Redo, Texas A&M University

Introducer: Daniel Redo

8:00 J. Christopher Brown*, University of Kansas; Jude H. Kastens, University of Kansas; Alexandre Camargo Coutinho, EMBRAPA; Daniel de Castro Victoria, EMBRAPA; Adriano Rolim da Paz, EMBRAPA, *Agricultural Intensification and Forest Conversion in the Brazilian Amazon*.

8:20 Nathan Bellinger*, University of Oregon, *Free trade and urban development in Ecuador: the case study of Ecuador's tuna fishing industry*.

8:40 Andrew Millington*, Texas A&M University; Daniel Redo, Texas A&M University; Derrick Hindery, University of Oregon; Mlenge Mgendi, Texas A&M University, *The Morales Administration, coca, cocaine and recent deforestation in Bolivia*.

9:00 Cynthia Simmons*, Michigan State University; Robert Walker, Michigan State University, *Contested Landscapes: Direct Action Land Reform in the Brazilian Amazon*.

Discussant(s): Tom Perreault, Syracuse University

3132. Instructional Approaches in Geography Education

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joseph P. Stoltman, Western Michigan University

8:00 Wayne P. Bergeron, University of North Alabama; Michael Pretes*, University of North Alabama, *It's Their World: Teaching the Geopolitics of Global Challenges*.

8:20 Kelly Kristopher Lemmons*, Texas A&M University, *Study Abroad: Developing Globalmindedness*.

8:40 Mark R. Hafen, Ph.D.*, University of South Florida, *"Too much work for an on-line class": Rigor and Student Perceptions in a Web-based Geography Course..*

9:00 Eric Samson*, Mayan Esteem Project; Texas State University-San Marcos, *Theoretical Constructs and Curriculum for Pedagogy of the Mixed Capacities/ Experiences of First-Time, College-Level Geography Students*.

9:20 Joseph P. Stoltman*, Western Michigan University; Kwangtaek Sim, Chinju National University of Education, *Assessment in Geography for Sustainable Development Education*.

3133. Food: Localization, Governance, and Initiatives

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Christopher Smith, Northern Illinois University

8:00 Catarina Passidomo*, University of Georgia, *Farming for the people: Social capital amongst farmers across three local food initiatives*.

8:20 Meghan Reed*, Michigan State University, *Urban Community Gardens: Overcoming Issues of Land Tenure*.

8:40 Michelle P Corrigan*, Ohio University, *Growing Your Own: Food Security and Community Gardening*.

9:00 Shumaisa Khan*, University of Michigan, *Community Food Initiatives in London*.

9:20 Christopher Smith*, Northern Illinois University; Jessica Hayes, Northern Illinois University, *Community Gardens and the Localization of Food Production in Chicago*.

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ORGANIZER(S): Dan Van Der Horst; Alain Nadai, CIRED

CHAIR(S): Maria-José Prados, University

8:00 Saskia A.F. Vermeylen, Lancaster University; Dan Van Der Horst*, University of Birmingham, *For whom the wind blows: the legal geographies of renewable energy.***8:09** Maria-José Prados*, University of Seville, SP; Marina Frolova, University of Granada, *Emerging of renewable energy landscapes in Spain: results of Workshop on Renewable Energies and Landscape..***8:18** Julie Cupples*, University of Canterbury, *Shifting networks of power: The struggle for electricity in Nicaragua.***8:27** Stanislav Cetkovsky, M.Sc.*, Institute of Geonics, Czech Academy of Sciences, Department of Environmental Geography, Brno, Czech Republic; Bohumil Frantal, M.A.*, Institute of Geonics, Czech Academy of Sciences, Department of Environmental Geography, Brno, Czech Republic, *Wind energy development in the East Central Europe: divergences, constraints, and directions..***8:36** Alain Nadai*, CIRED; Olivier Labussiere, CIRED, *Re-Opening the Visual Landscape: The Emergence of Wind Power Landscapes In France.***8:44** Karin Hammarlund, Department of Landscape Architecture, SLU; Jenny Nord*, Department of Landscape Architecture, SLU Sweden, *Legibility and wind development in landscapes of identity.***8:52** Drew Ignizio*, University of New Mexico, *Suitability Modeling and the Locating of Utility Scale Solar Power Plants in the Southwestern US.***9:00** Carol Hunsberger, PhD Candidate*, Carleton University, *Growing expectations: Divergent understandings of *Jatropha curcas* as an energy crop in Kenya.***9:08** Miklos Nadas*, Enegis, LLC; Jeffrey Eppink, Enegis, LLC; Michael Marquis, Enegis, LLC, *Quantitative GIS Analysis of Energy on Federal Lands.***9:16** Sean Tierney*, University of North Texas, *Colorado's Electric Coop and Municipal Utility attitudes towards carbon legislation.***9:24** Stewart Fast*, University of Ottawa, *Locating the public sphere(s) of rural alternative energy development in Ontario.***9:32** Simon Billett*, University of Oxford, Environmental Change Institute; Debora Ley*, University of Oxford, Environmental Change Institute, *The Way of the World Bank: Funding Clean Energy in Latin America.***3135. Fascism: its origins and development I (Sponsored by Socialist and Critical Geography Specialty Group)****Room:** Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Salvatore Engel-DiMauro, SUNY New Paltz; Pierpaolo Mudu, Università Di Roma

CHAIR(S): Salvatore Engel-DiMauro, SUNY New Paltz

8:00 Jeff McGovern*, University of Arizona, *L'uomo nuovo, war veterans, and the building of Fascist Italy.***8:15** Roberto Paolo Franzosi*, Emory University, *The Origins of Italian Fascism: Diffusion through Violent Actions in the Years 1919-1922.***8:30** Pierpaolo Mudu*, Università Di Roma, *Building and Modelling Data on the Origin of Fascism: from micro conflicts to macro effects?.***8:45** Alessandro Salvador*, University of Trento - Italy, *Italian neo-fascist movements and their roots in the inter-war European fascisms..***9:00** Loredana Guerrieri*, Osservatorio Di Genere - Istituto Storico Della Resistenza Di Macerata, *"to be fascists in a democracy" Italian neo-fascism and its connections to the past fascism.***3136. Issues in Cold Climates****Room:** Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Christina Tague, University of California at Santa Barbara

8:00 Jason C Senkbeil*, University of Alabama; David Brommer, University of Alabama; Ian Comstock, University of Alabama; Tara Loyd, University of Alabama, *A Classification Scheme for Cold Core Lows in the Southern United States.***8:20** Christopher Fuhrmann*, University of North Carolina at Chapel Hill, *A Climatology of Winter Precipitation in the Southeast United States on the Basis of Atmospheric Trajectories.***8:40** William Ryan Weiland*, Salisbury University; Darren B Parnell, Salisbury University, *A Snowfall Climatology of the Delmarva Peninsula.***9:00** Christopher Atkinson, ABD*, University of Kansas, Graduate Student, *Shifting Snowstorms: An Examination of Extreme Midwestern Blizzards and their Storm Tracks.***9:20** Christina Tague*, University of California at Santa Barbara; Aubrey Dugger, University of Santa Barbara, *Geology, vegetation and snow in integrated climate change impact assessment in the Western US mountains.***3137. Race and Ethnicity in Music, Sports, Literature, and Popular Culture****Room:** Thurgood Marshall NORTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jim A. Davis, Eastern Illinois University

8:00 Deborah J. Thompson, Ph.D. candidate*, University of Kentucky, *Region, Race, Representation: African American Appalachian Music.***8:20** John Urata*, San Diego State University, *Control of the Arena: Breakdancing as a Display of Prowess and Identity in Urban Hip-Hop Culture.***8:40** Victoria S Downey*, University of Minnesota, *Choreographing the Other: Whiteness and Exoticization in Synchronized Swimming.***9:00** Kimberly Black*, University of Tennessee, *"Just Cause You Can't See Don't Mean Ain't Nothing There": Narrative, Public Space and the Right to the City in the Graphic Novel, 'Pitch Black'.***9:20** Jim Davis*, Eastern Illinois University, *Baseball and Ethnicity: Six Decades of Ethnic Diversity and Change.***3138. New Frontiers in the Geography of Dance (Sponsored by Cultural Geography Specialty Group)****Room:** Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Olaf Kuhlke, University of Minnesota - Duluth; Adam Pine, University of Minnesota -- Duluth

CHAIR(S): Olaf Kuhlke, University of Minnesota - Duluth

8:00 Olaf Kuhlke*, University of Minnesota - Duluth, *Dancing in Foam City: Berlin and the Viscous Embodiment of German National Identity at the Love Parade, 1989-2006.***8:20** Adam Pine*, University of Minnesota -- Duluth, *Salsa Cosmopolitanism: how recreational salsa dancers in Minneapolis locate themselves as part of a global community.***8:40** Georgia Conover*, University of Arizona, *Performing Orientalism on a Western Body: A Genealogy of Improvisational Tribal Style Belly Dance.*

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9:00 Lynnette Young Overby*, University of Delaware; Mary Lynn Babcock, North Texas University; Marilyn Berrett, Brigham Young University, *A Reflection on Human Kind: A Collaborative Choreographic Work of External, Internal and Merged Landscapes.*

Discussant(s): Moriah McSharry McGrath, Portland State University

3139. The Public and Property: Geographical Perspectives

Room: Thurgood Marshall WEST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Seema Kadir, The University of the West Indies

8:00 Anne Haila*, University of Helsinki, *Decline of public property.*

8:20 Karen Owen, Doctoral Student*, Geogeo Mason University, *Geospatial Measures of Urban Slums - informal vs. planned settlements in Cobán, Guatemala.*

8:40 Gabriella Yolanda Carolini, PhD*, Rutgers - The State University of New Jersey, The Bloustein School, *Crowded out: How Housing Loses Out Among Social and Fiscal Reforms in Maputo, Mozambique.*

9:00 Christine Smith*, The University of Kentucky Geography Department, *Beauty as a Policing Mechanism in Landscapes of Hope: Aesthetics and the Construction of Public Housing in Lexington, Kentucky.*

9:20 Seema Kadir*, The University of the West Indies, *Choices, Constraints and Spatial Outcomes in Public Housing: A Caribbean Perspective.*

3140. Environmental Change, Livelihood Strategies and Health in Africa I (Sponsored by Development Geographies Specialty Group, Africa Specialty Group)

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Isaac N. Luginaah, University of Western Ontario; Florence Margai, Binghamton University-SUNY

CHAIR(S): Florence Margai, Binghamton University-SUNY

8:00 Kendle Wade, BA, University of Texas at Austin*, *University of Colorado at Boulder, Theatre as a means of participatory development in Kenyan community-based organizations.*

8:20 Idowu M Ajibade, PhD student*, University of Western Ontario; Gordon McBean, Professor, University of Western Ontario, *To leave or Stay? 'climigration' in an uncertain policy regime.*

8:40 Christine Mathenge*, Austin Peay State University, *Livelihood Strategies Among the Rural Landless.*

9:00 Maria Elisa Christie, Dr.*, Virginia Tech, *Gendered Maps and Stories: Peanut in Everyday Lives of Women Farmers in East Africa.*

9:20 Rachel Bezner Kerr*, University of Western Ontario, *'Both farming and family problems are life threatening': environmental change and gender in Malawi.*

3141. Manufacturing Capitalism (1): Adaptation, Survival, Resilience and New Geographies of Production (Sponsored by Economic Geography Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): John Bryson, University of Birmingham; Vida Vanchan, Buffalo State College

CHAIR(S): Tara Vinodrai, University of Waterloo

8:00 Susan M. Walcott*, University of North Carolina-Greensboro, *The American Furniture Industry: Sunset or Innovative Creative Destruction?*

8:20 Carolyn Hatch*, University of Toronto, *Competitiveness by Design: An Institutional Perspective on the Resurgence of a 'Mature' Industry in a High-Wage Economy.*

8:40 Grete Rusten*, University of Bergen, *Survival of the Fittest. Structures, strategies and the geography of production in the textile and clothing industry - A high cost economy example.*

9:00 Rachel Ann Mulhall, Miss*, University of Birmingham, *The Energy Hot Potato: Organizational Survival in a Mature Manufacturing Sector.*

9:20 Andy Pike, Professor*, CURDS, Newcastle University, UK, *A 'British' brand, branding and international outsourcing in the garment industry.*

3142. Everyday Places in North America 1: Exploring American Landscapes

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

ORGANIZER(S): Ellen Hostetter

CHAIR(S): Ellen Hostetter

8:00 Ellen Hostetter*, Randolph College, *Boomtown Landscapes.*

8:20 Lisa Rainey Brownell*, University of Kentucky, *Intersecting Values in Historic Landscapes.*

8:40 Martha E. Geores, Associate Professor*, University of Maryland, *The French Canadian and Somali Influences on the Cultural Landscape of Lewiston Maine..*

9:00 Linnea C. Sando*, Kansas State University, *Landscape Imprints of Haying Technology.*

9:20 Hugh Deaner, M.A. *, University of Kentucky, *Pioneer Woman: reifying an oil landscape in sculpture.*

3143. Changing Places, Urban Spaces: New Theories of Place for the Networked City (Sponsored by Urban Geography Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Anna Cieslik, Clark University; Danielle Fontaine, Clark University

CHAIR(S): Kevin Keenan, College of Charleston

8:00 Ruth Comerford, PhD Candidate*, Univeristy College Dublin, *'Seeing the city through a broader lens: The potential of visual analysis for urban research'.*

8:15 Loretta Lees*, King's College London, Dept. of Geogr, *The challenges in developing a methodology that can measure increases of social capital in socially mixed (gentrified) inner city neighbourhoods.*

8:30 Michael Rios, PhD*, University of California, Davis, *Praxis in Placemaking: Space, Identity, and Action.*

8:45 Kelly Turner*, Arizona State University, *An interdisciplinary approach to social network theory in social-ecological systems.*

9:00 William Lindeke*, University of Minnesota, *Memory and social experience in Improv Everywhere's urban street scenes.*

Discussant(s): Deborah G. Martin, Clark University

3144. Place Names - Geography and Cartography

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

ORGANIZER(S): Program Committee

CHAIR(S): Richard R. Randall, USBGN Ex. Sec. Emeritus

8:00 Richard R. Randall*, USBGN Ex. Sec. Emeritus, *Geographic Names and Geographers.*

8:20 Mike Fournier*, U.S. Bureau Of the Census, *The Genesis of a Place Name: Jay, Maine; Are the Historians Wrong or is it Just a Big Coincidence?.*

8:40 David B. Miller*, National Geographic Maps, *Place Name Decisions at National Geographic.*

9:00 John Cloud*, NOAA Central Library, *Light Returning with the Kohklux Maps.*

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3145. Applied Geography and Land Use

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

Giuseppe Molinaro*, University of Maryland, *Fires in Ethiopia: Characterizing the Seasonality and Patterns Associated with Land Use Practices.*

Linda G. Wade*, USDA/National Agricultural Statistics Service, *Trends in American Agriculture.*

Jessica Randall, MA*, West Virginia University, *Estimation of crop residue in the Maumee River Watershed Using Imagery from Landsat Thematic Mapper.*

Lee Ebinger*, USDA/National Agricultural Statistics Service, *National Agricultural Statistics Service's Cropland Data Layer and Acreage Estimation Process.*

Lynn Resler*, Virginia Tech, *Relationship of Mineral Stain in Red Oak to Growth Site Variables.*

Jacob DeGrand*, Central Michigan University, *Adapting walkability studies for wheelchair users.*

Hedy Nieves*, University of Puerto Rico; Roberto Morales, State University of New York at Binghamton; Tania Lopez, University of Puerto Rico, *Mainstreaming forest conservation and people well being: the case of the forest within and around El Yunque National Forest.*

Gregory A. Elmes*, West Virginia University; George Roedel, West Virginia University, *Increasing Student and Community Safety Partnership.*

Seth E. Younger*, Radford University, *Conservation Land Use Analysis for the City of Radford, VA.*

Tyler B. Stevens, Mr.*, NASA, *Building A Earth Science Service Keyword Vocabulary: Benefits for Discovering Geospatial Tools and Services using NASA's Global Change Master Directory (GCMD).*

Rachel Lara Pozzatti*, University of Maryland; Elizabeth Hoy, Doctoral Student, University of Maryland; Eric Kasischke, PhD, University of Maryland, *The Interaction Between Burned Area and Weather Conditions in the Boreal Forest of Interior Alaska.*

Bharath Ganesh Babu*, Valparaiso University; Paul Mausell, Indiana State University; Susan Berta, Indiana State University; Jay Gatrell, Indiana State University; James Speer, Indiana State University; Rusty Gonser, Indiana State University, *Classification of Urban Features Using Airborne Hyperspectral Data.*

Evan Landrum*, Texas Christian University; Robert Allen Blackburn*, Texas Christian University, *Transit Oriented Development in Fort Worth, Texas.*

Julian Paul Tyree*, University of North Alabama; David S. Dickerson, University of North Alabama, *Using Geographic Tools to Improve the Control of Feral Swine.*

Travis White*, University of Kansas, *Cultural Networks of the Conterminous United States.*

Chuck Clark*, architect, Atlanta, Georgia; Rene De Hon, Dr., Department of Geography, Texas State University; Pamela E. Clark, Dr., Catholic University of America at Goddard Space Flight Center, NASA; Michael Purucker, Dr., Raytheon at Goddard Space Flight Center, NASA; Philip J. Stooke, PhD, Associate Professor, Department of Geography (cross-appointed to Department of Physics and Astronomy) The University of Western Ontario; Paul D. Lowman Jr., PhD, Geophysicist, Planetary Geodynamics Laboratory, NASA Goddard Space Flight Center, *From Hills and Dales to Asteroids: World Maps with Constant-scale Natural Boundaries.*

Christopher J. Sutton*, Western Illinois University; Chad Sperry, Western Illinois University; Timothy L. Schroll, Western Illinois University, *Integrating Google SketchUp into Facilities Management and Master*

Planning at Western Illinois University.

James Lee*, DHS Office of Immigration Statistics, *Exploratory Spatial Data Analysis of Crime Rates and the Foreign-Born Population in California Counties.*

Richard Deal*, Edinboro University of Pennsylvania, *Spatial Variation of Geographical Brewery Names in the United States.*

Maria Angeles Benito*, United States Geological Survey, *The SIOSE project - Land Cover and Land Use Information System of Spain.*

William Rodgers*, Kentucky Climate Center; Rezaul Mahmood, PhD, Kentucky Climate Center; Ronnie Leeper, Kentucky Climate Center, *Impacts of Land-use and Land Cover Change on Eastern Kentucky Flash Floods.*

Michelle Bouchard*, ASRC Research and Technology Solutions, *Forecasting change in agriculture lands for the United States: An approach for determining cropland constraints.*

Alyssa K. Whitcraft*, University of Maryland - College Park; Amanda S. Whitehurst, University of Maryland, College Park; Aminul Islam, University of Maryland, College Park; Andrew Marx, University of Maryland, College Park; David Dubin, University of Maryland, College Park; Giuseppe Molinaro, University of Maryland, College Park; Hao Tang, University of Maryland, College Park; John Thomas Fitzwater, University of Maryland, College Park; Mary LeeAnn King, University of Maryland, College Park; Pui-Yu Ling, University of Maryland, College Park; Qiyang Xu, University of Maryland, College Park; Quentin Stubbs, University of Maryland, College Park; Ryan Tolley, University of Maryland, College Park; Tao He, University of Maryland, College Park; Wenli Huang, University of Maryland, College Park; Xin Tao, University of Maryland, College Park; Xiufang Zhu, University of Maryland, College Park; Evan Ellicott, PhD, University of Maryland, College Park; Christopher Justice, PhD, University of Maryland, College Park, *A Global Map of Hotspots of Land-Cover and Land-Use Change, 2003-Present.*

Abigail Kaminski*, Clark University, *Explaining Residential Landscapes: Household Lawn-care Practices and Zoning in Suburban Boston.*

Lee De Cola*, United States Geological Survey, *Stochastic Forecasting of Land Cover States.*

Gabrielle Hinahara*, University of Wisconsin-Madison; Erika Marin-Spiotta, University of Wisconsin-Madison, *Carbon Impacts of Deforestation Drivers in the Peruvian Amazon From 1985 Onward.*

Jessica E Long*, University of Wisconsin, Madison, *Connecting cultures: Incorporating local university students in a community mapping project near Iquitos, Peru.*

Peggy Hauselt, Ph.D., California State University Stanislaus; Augustine Avwunudiogba*, California State University Stanislaus, *Historical Land Use Pattern in the active Volcanic Island of Montserrat.*

Kristi L Sayler*, United States Geological Survey, *Detecting land cover change in the United States Northern Great Plains 1973 - 2006.*

Ma. De Lourdes Rodriguez-Gamiño, Dr., Instituto De Geografia Unam Mexico; Jorge Lopez-Blanco, Dr.*, Instituto De Geografia Unam Mexico; Gilberto Vela-Correa, Dr., Universidad Autónoma Metropolitana-Xochimilco, Departamento El Hombre y su Ambiente, *Land Use/Cover Change Spatial Patterns in The Suelo de Conservacion Federal District, Central Mexico.*

Randall K. Wilson*, Gettysburg College; Thomas W. Crawford, East Carolina University; Michael A. Catalano,

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Gettysburg College, *Collaborative Conservation and Rural Change in the Intermountain West*.

Jennifer B Hatch*, Wellesley College; Abigale Kaminski, Clark University; Kiersten Von Trapp, Tufts University, *Geospatial Analysis of Lawn Management in the Boston Suburbs*.

3146. Aeolian Geomorphology I (Sponsored by Geomorphology Specialty Group, Coastal and Marine Specialty Group)

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Jean Taylor Ellis, University of South Carolina; Bailiang Li, Texas A&M University

CHAIR(S): Jean Taylor Ellis, University of South Carolina

8:00 Nicholas Lancaster*, DRI, *A global digital database and atlas of Quaternary dune fields and sand seas*.

8:20 Shimrit Maman, Mrs*, Ben-Gurion University of the Negev, Israel; Haim Tsoar, Prof, Ben-Gurion University of the Negev, Israel; Dan G. Blumberg, Prof., Ben-Gurion University of the Negev, Israel, *Aeolian Mobility and Stability of the Central Asian ergs, A study by remote sensing and geographic information systems*.

8:40 Jeffrey A. Lee*, Texas Tech University; Thomas E. Gill, University of Texas at El Paso, *Dust Storms on the Great Plains in the 1930s*.

9:00 Paul A. Gares*, East Carolina University, *Airflow over Transverse Dune Ridges*.

3147. Governmentality and the Production of Calculable Spaces I (Sponsored by Political Geography Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Reuben S. Rose-Redwood, University of Victoria; Matthew G. Hannah, Aberystwyth University

CHAIR(S): Matthew G. Hannah, Aberystwyth University

Introducer: Matthew G. Hannah

8:05 Nancy Duncan, Dr.*, University of Cambridge, *Governmentality and the Calculation of Hunger in Late 19th Century Ceylon*.

8:24 Kirsten Greer*, Queen's University, Kingston, Canada, *Specimens of empire: mapping imperial avian geographies in the mid-nineteenth-century Mediterranean*.

8:43 Reuben S. Rose-Redwood, Ph.D.*, University of Victoria, *With Numbers in Place: Security, Citizenship, and the Production of Calculable Space*.

9:02 Austin G Zeiderman*, Stanford University, *Calculable Space in the Making: 'Zones of High Risk' in Millennial Bogotá, Colombia*.

9:21 Andrew Byerley*, Department of Human Geography, Stockholm University, *(Post)colonial Governmentality and Urban Development in Africa*.

3148. Topics in Applied Geography

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Melanie Stine, Texas State University-San Marcos

8:00 Chris Anderson-Tarver*, University of Colorado at Boulder; Barbara P. Battenfield, University of Colorado at Boulder, *Generalizing a swamp-marsh database using texture*.

8:20 Amy Nicoll, M.Sc. candidate*, University of British Columbia; Lori Daniels, Ph.D., University of British Columbia; Marwan Hassan, Ph.D., University of British Columbia, *Transport and decay dynamics of woody debris in a forested watershed of the Rocky Mountain Foothills*.

8:40 William Burkett*, University of Northern Iowa; Ramanathan Sugumaran, Dr., University of Northern Iowa, *A Survey of Utilization of Lidar Data by Iowa Professionals*.

9:00 Melanie B. Stine*, Texas State University-San Marcos; David R. Butler, Texas State University-San Marcos, *A Content Analysis of Biogeomorphology within Geomorphology Textbooks*.

9:20 Christy Briles, PhD*, Texas A & M University; Vaughn Bryant, PhD, Texas A & M University, *Forensic Palynology: using Geography to solve crimes*.

3149. R.S. Tarr Illustrated Paper Session & Student Competition (Sponsored by Climate Specialty Group, Cryosphere Specialty Group, Remote Sensing Specialty Group)

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Robert Hellstrom, Bridgewater State College

CHAIR(S): Robert Hellstrom, Bridgewater State College

8:00 Kyung In Huh*, The Ohio State University; Bryan G Mark, The Ohio State University, *Assessing the volume and hypsometric changes of two target glaciers in the tropical Peruvian Andes*.

8:05 E. Rachel Bernstein*, University of Delaware; Cathleen A. Geiger, PhD, University of Delaware; Tracy DeLiberty, PhD, University of Delaware, *Southern Ocean Sea Ice Volume Transport using NIC Chart-Derived Thickness Distributions*.

8:10 Claire Griffin*, Clark University; Karen E Frey, Clark School of Geography, Clark University; John Rogan, Clark School of Geography, Clark University, *Modeling dissolved organic matter in northeastern Siberian lakes and rivers using Landsat TM and ETM+ satellite imagery*.

8:15 Blaize A. Denfeld*, Clark University School of Geography, Worcester, Massachusetts, USA; Karen Frey, Graduate School of Geography, Clark University, Worcester, Massachusetts, USA, *Impacts of watershed characteristics on the biogeochemistry of the Kolyma River basin, Northeast Siberia*.

3151. CHANS: East Africa Climate-Land Interaction Project in Savanna Ecosystems (EACLIPSE) (Sponsored by Africa Specialty Group, Climate Specialty Group, Human Dimensions of Global Change Specialty Group)

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

ORGANIZER(S): Jennifer Olson, Michigan State University

CHAIR(S): David J. Campbell, Michigan State University

8:00 Jeffrey A. Andresen*, Michigan State, *Dynamic Interactions among People, Livestock, and Savanna Ecosystems under Climate Change: The East Africa Climate-Land Interaction Project in Savanna Ecosystems (EACLIPSE)*.

8:20 Nathan Moore*, Zhejiang University, Michigan State University; Dong-Yun Kim, PhD, Virginia Tech; Jeffrey Andresen, PhD, Michigan State University; Sarah L Hession, Michigan State University, *historical and projected changes in East African meteorological drought*.

8:40 Jiaguo Qi*, Michigan State University; Chuan Qin, Michigan State University; Gopal Alagarwamy, Michigan State University; Joseph Ogutu, International Livestock Research Institute, Nairobi, Kenya; Mohamed Said, International Livestock Research Institute, Nairobi, Kenya; Simon Mugatha, International Livestock Research Institute, Nairobi, Kenya; Simon Mwansasu, University of Dar Es Salaam; Pauline Noah, University of Dar Es Salaam; Joseph Maitima, International Livestock Research Institute, Nairobi, Kenya; Pius Z. Yanda, University of Dar Es Salaam, *Assessing Savanna Ecosystem Changes with Remote Sensing in East Africa*.

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9:00 Jennifer M Olson, PhD*, Michigan State University, *People and Livestock in the Changing Landscape and Climate of the East African Savannas*.

9:20 Gopalsamy Alagaraswamy*, Michigan State University; Chuan Qin*, MSU; Jiaguo Qi, Michigan State University; Jeffrey A. Andresen, Michigan State University; Jennifer Olson, Michigan State University; Nathan Moore, Michigan State University, *Savanna Vegetation Changes as Influenced by Climate and Human Interventions in East Africa*.

3152. Landscape Perceptions

Room: Washington Room 2, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Program Committee

CHAIR(S): James Looney, University of Kentucky

8:00 Barbara Grahmann*, Texas State University-San Marcos, *Community Perceptions of a Nuclear Power Plant as Presented in Popular Discourse*.

8:20 YANG Aijun*, The Geography Department, The University of Hong Kong; C. Y. Jim, The Geography Department, The University of Hong Kong, *Visitor Perception of the Landscape Quality*.

8:40 Marco Antonio Medellin, undergraduate student*, United States Military Academy, *The West Point Mess Hall: an Ethnographic Study*.

9:00 Robert Greeley*, University of South Carolina, *Personal Landscape: Maryland's Eastern Shore*.

9:20 James Looney*, University of Kentucky, *Managing relationships: fields of vision, care, and encounter in the Cape Hatteras National Seashore*.

3153. Finance at crossroads and its geographies I: How did it all happen? (Sponsored by Economic Geography Specialty Group)

Room: Washington Room 3, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Dariusz Wojcik, Oxford University Centre for the Environment; Gordon L. Clark, University of Oxford

CHAIR(S): Dariusz Wojcik, Oxford University Centre for the Environment

8:00 Jane S. Pollard*, Newcastle University; Stuart J Dawley, Newcastle University; Francesco DeCecco, Newcastle University; Joanna Gray, Newcastle University; Neill Marshall, Newcastle University; Andy Pike, Newcastle University; Robert Sollis, Newcastle University; John Tomaney, Newcastle University, *Placing the run on Northern Rock*.

8:20 James H Lenzer, Jr.*, University of Hong Kong, *The Roles of Financial Innovation, Information Technology and Geographical Responsibility: Lessons from the US Sub-prime Mortgage Crisis*.

8:40 Howard Tenenbaum, MS Candidate*, George Mason University; Nigel Waters, Ph.D., George Mason University, *Geographic Realignment of Mortgage Industry Participants*.

9:00 Michael H. Grote*, Frankfurt School of Finance & Management, *From the local to the global: How a decline in US-house prices drove the world into recession*.

Discussant(s): Gordon L. Clark, University of Oxford

3154. Teaching Health and Medical Geography (Sponsored by Health and Medical Geography Specialty Group)

Room: Washington Room 4, Marriott, Exhibition Level (Panel Session)
ORGANIZER(S): Sue C. Grady, Michigan State University
CHAIR(S): Eric D. Carter, Grinnell College

Panelists: Eric D. Carter, Grinnell College; Cathleen McAnney, University of Maine at Farmington; Melinda S. Meade, University of North Carolina Chapel Hill; Michael Donald Shambaugh-Miller, University of Nebraska Medical Center; Marilyn M Williams, University of South Florida

3155. Material Culture and Geography I (Sponsored by Cultural Geography Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University; H. Jason Combs, University of Nebraska At Kearney

CHAIR(S): Sara Beth Keough, Saginaw Valley State University

8:00 Jacob Michael McGlade*, Paul Burger*, University of Nebraska At Kearney; H. Jason Combs*, University of Nebraska At Kearney, *A Geographic Analysis of eBay's Antique Sales in the United States*.

8:20 Elaine Kovacs*, Syracuse University, *Reimagining the Country and the City: California Agriculture and the City of Fresno*.

8:40 Glenna Harris, PhD*, Wilfrid Laurier University, *Knitting the city: Urban craft as gathering place*.

9:00 Outi-Kristiina Hännikäinen*, Academy of Finland/ University of Helsinki, *The identity-political namescape of a Finnish settlement in Canada*.

9:20 Michael Seman, Ph.D. Student in Urban Planning and Public Policy*, University of Texas at Arlington, *No County for Old Developers: The Strange Tale of an Arts Boom, Bohemians, and 'Marfalafl' in the High Desert of Marfa, Texas*.

3156. Standing Out In The Crowd: Competing in the dynamic marketplace of cultural products I (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Blue Room, Omni Shoreham (Paper Session)
ORGANIZER(S): Doreen Jakob, Center for Metropolitan Studies Berlin / UNC Chapel Hill; Brian Hraes, University of Toronto

CHAIR(S): Brian Hraes, University of Toronto

8:00 Markus M. Bugge*, Uppsala University, *Jacobian cluster mutation: From advertising to Internet-based market communication*.

8:20 Heike Mayer*, University of Bern; Tia Henderson, Portland State University; Sheila Martin, Portland State University; Joe Cortright, Impresa Consulting, *Cooperation and competition in the activewear industry in Portland, Oregon*.

8:40 Deborah Leslie*, University of Toronto; Norma Rantisi*, Concordia University, *The role of path-interdependence and spillacross effects in the Cirque du Soleil's innovation..*

9:00 Dorothea Kleine, Dr*, University of London; Ann Light, Dr, Sheffield Hallam University, *Hybrid products: the marketing of ethical food production processes*.

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3160. Spatial Analysis I: Methodology

Room: *Chairman, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jacqueline Binyamin, University of Winnipeg

8:00 Yan Li*, University of Texas at Dallas; Ronald Briggs, University of Texas at Dallas, *An Automated System for Image-to-Vector Georeferencing*.

8:20 Daniel W. Goldberg*, University of Southern California, *Approximate Geocoding using a Spatially-Varying Neighborhood Distance Metric*.

8:40 Michael Nielsen, Ph.D. candidate*, Department of Human Geography, Stockholm University, *Extraction of different urban area categories from satellite images using Window Independent Context Segmentation*.

9:00 Jacqueline Binyamin, PhD*, University of Winnipeg, Winnipeg, Manitoba, Canada; John Davies, Professor, McMaster University, Hamilton, Ontario, Canada; Bruce McArthur, PhD, Meteorological Service of Canada, Air Quality Research Branch, Toronto, Ontario, Canada, *Validation of spectral and broadband UV-B irradiance for Canada*.

3163. Property Value and Urban Space

Room: *Council, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Henry W. Bullamore, Frostburg State University

8:00 Lesli M. Rawlings*, University of Nebraska, *Proximity to Public Schools: An Amenity or Disamenity? A Case for Lincoln, Nebraska*.

8:20 Kyle Peterson*, University of Calgary, *Outside the Box: Suburban Gentrification in Calgary, Alberta's Boom and Bust Economy*.

8:40 I-Hui Lin*; Changshan Wu; Christopher De Sousa, *Urban parks and surrounding property values*.

9:00 Henry W. Bullamore, Ph. D., AICP*, Frostburg State University, *Upper Story Reuse to Promote Downtown Revitalization*.

3164. Innovative Teaching Strategies in Geography Education

Room: *Diplomat, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Steven Jennings, University of Colorado

8:00 Laurel J. Hummel*, United States Military Academy, *Spring Semester in the Graveyard: Necrogeography as High School Curriculum*.

8:20 Tina Delahunty*, Texas Tech University, *Exploring the Past, Present and Future Landscape with Rural 4th Graders: A Geoscience Education Pilot Program*.

8:40 Apostolia Galani*, Ph.D Geographer; Ageliki Rokka, Ass. Professor- Democritus University of Thrace, Greece, *Approaches to teaching Dynamic Geographical Phenomena*.

9:00 Steven Jennings*, University of Colorado at Colorado Springs, *Effective Use of Maps as Primary Sources in K-12 Classrooms*.

3165. "Enabling Educators with Free Landsat Data" (Sponsored by Community College Affinity Group)

Room: *Director's, Omni Shoreham* (Panel Session)

ORGANIZER(S): Kerry Lyste, Everett Community College

CHAIR(S): Rachel Headley, United States Geological Survey

Discussant(s): Kerry Lyste, Everett Community College; Michael Krimmer, Community College; Trent Morrell, Laramie County Community College; Reed Perkins; Angela Milakovic, Bismarck State College; Vicki Drake, Santa Monica College

Panelists: Rachel Headley, United States Geological Survey; Ann Johnson, GeoTech Center; Jeannie Allen, Sigma Space Corp.

3166. North American Forest Disturbance Dynamics

Room: *Embassy, Omni Shoreham* (Paper Session)

ORGANIZER(S): Nancy Thomas; Samuel N. Goward, University of Maryland

CHAIR(S): Samuel N. Goward, University of Maryland

8:00 Samuel N. Goward*, University of Maryland; Nancy Thomas, University of Maryland; Chengquan Huang, University of Maryland; Karen Schlesweis, University of Maryland; Adrienne Hinds, University of Maryland; Jeffrey Masek, NASA Goddard Space Flight Center; Warren Cohen, USFS Pacific Northwest Research Station; Gretchen Moisen, USFS Rocky Mountain Research Station, *North American Forest Dynamics (NAFD) Study: A Core Project of the North American Carbon Program*.

8:20 Sean P. Healey*, US Forest Service; Gretchen G. Moisen, US Forest Service; Todd Morgan, University of Montana; Greg J. Jones, US Forest Service; Dan R. Loeffler, US Forest Service; Shawn P. Urbanski, US Forest Service, *Quantifying the Effect of Alternate Landscape Disturbance Patterns on Forest Carbon*.

8:40 Jeffrey Masek*, NASA GSFC; Robert Wolfe, NASA GSFC; Chengquan Huang, University of Maryland, *"Wall-to-Wall" Mapping of Forest Disturbance from the LEDAPS Project*.

9:00 Todd Hawbaker*, United States Geological Survey; Matt Rollins, United States Geological Survey; Jim Vogelmann, United States Geological Survey; Hua Shi, United States Geological Survey; Terry Sohl, United States Geological Survey; Shuguang Liu, United States Geological Survey; Bradley Reed, United States Geological Survey; Zhiliang Zhu, United States Geological Survey, *A national disturbance modeling system to support ecological carbon sequestration assessments*.

9:20 Eric Kasischke*, University of Maryland, *Inter-comparison of data products for assessing fire regime characteristics across North America*.

3167. The Geography of Economic Evolution 1 (Sponsored by Economic Geography Specialty Group)

Room: *Empire, Omni Shoreham* (Paper Session)

ORGANIZER(S): Ronald V. Kalafsky, University of Tennessee; Murray Rice, University of North Texas

CHAIR(S): Ronald V. Kalafsky, University of Tennessee

8:00 Ronald V. Kalafsky*, University of Tennessee, *Market intelligence and entry: the case of US machine tool manufacturers in China*.

8:20 James W. Harrington*, University of Washington; Charles W. Kauffman, University of Washington, *Regional Evolution through Loosely Coupled Entrepreneurship*.

8:40 Anneleen De Vos, Ghent University; Ben Derudder*, Ghent University; Frank Witlox, Ghent University, *Determinants of spatio-temporal dynamics in the world urban system, 2000-2008*.

9:00 Wen-Cheng Wang*, Department of Geography, National Taiwan Normal University, Taiwan, *The Evolution of Geographical Structure in Heredity and Variation of Kaohsiung's Yacht Manufacturing Industry*.

9:20 Murray D Rice*, University of North Texas, *The Geography of Economic Change: A Comparative Analysis of the Headquarters Locations of Canada's Growing and Declining Businesses*.

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3170. **Mega-events and urban restructuring in Rio de Janeiro: From the 2007 Panamerican Games to the 2016 Olympics (Sponsored by Urban Geography Specialty Group)**

Room: Hampton, Omni Shoreham (Paper Session)

ORGANIZER(S): James P. Freeman, Concordia University; Anne-Marie Broudehoux, University of Quebec at Montreal

CHAIR(S): James P. Freeman, Concordia University

8:00 Anne-Marie Broudehoux, PhD*, University of Quebec at Montreal; James P. Freeman, PhD*, Concordia University, *Making Rio's Olympic Landscape: The Social and Spatial Transformation of a Fragmented City.*

8:20 Nelma Gusmão de Oliveira, Nelma Oliveira*, Universidade Federal do Rio de Janeiro, *Building Consensus: the trajectory of Rio de Janeiro in search of sports mega-events..*

8:40 Glauco Bienenstein*, Universidade Federal Fluminense; Sánchez Fernanda, Universidade Federal Fluminense; Gilmar Mascarenhas, Universidade Do Estado Do Rio De Janeiro, *The 2016 Olympiad in Rio de Janeiro: Who Can/Could/will Beat Whom?.*

9:00 Alberto Oliveira*, UFRRJ, *Pan American games of Rio de Janeiro: the day after.*

9:20 Christopher Gaffney, Dr.*, Independent Scholar, *Temples of Doom: sporting infrastructure and mega-events in Rio de Janeiro.*

3171. **Tourism**

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel McGowin, The Florida State University

8:00 Li Yang*, Western Michigan University, *Tourism, Ethnic Identity and Cultural Preservation.*

8:20 Lawal Marafa*, CUHK, Hong Kong, *Developing and implementing special interest tourism (SIT) in Hong Kong rural landscapes.*

8:40 Daniel McGowin*, The Florida State University, *More Than Just a Game: "Chinese Taipei," Sports and Taiwanese Identity.*

9:00 Zoran Roca*, TERCUD - Territory, Culture and Development Research Centre, Universidade Lusófona, Lisbon, Portugal; Maria de Nazaré Roca, e-GEO - Research Centre for Geography and Regional Planning, Universidade Nova de Lisboa, Lisbon Portugal; José António Oliveira, TERCUD - Territory, Culture and Development Research Centre, Universidade Lusófona, Lisbon, Portugal, *Expansion of Second Homes in Portugal: Curse or Blessing for Spatial Planning and Development?.*

3172. **Sustainable Transport: Current Research and New Challenges (Session I) (Sponsored by Transportation Geography Specialty Group)**

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro; David H. Kaplan, Kent State University

CHAIR(S): David H. Kaplan, Kent State University

8:00 Bradley W. Lane*, Indiana University, *Energy pricing and transport sustainability: The case of public transit.*

8:20 Selima Sultana*, University of North Carolina-Greensboro, *Whether the School Bus: Revisiting Mode Choice in School Transportation.*

8:40 Presentacion Victorero, PhD Student*, Cantabria University/FSU; Mark W Horner, PhD, The Florida State University, *Exploring the transport sustainability of medium sized cities: an analysis of urban form and the transport system.*

9:00 Ron N Buliung, PhD*, Department of Geography, University of Toronto Mississauga; Randy Bui, University of Toronto Mississauga; Catherine Habel, Metrolinx; Ryan Lanyon, Metrolinx, *Catching a Ride on the Information Superhighway: Understanding the cyber-production of shared mobility.*

3173. **Cartography Specialty Group Honors Student Paper Competition (Sponsored by Cartography Specialty Group)**

Room: Marriott Ballroom Salon 2, Marriott, Lobby

Level (Paper Session)

ORGANIZER(S): Sarah Battersby, University of South Carolina

CHAIR(S): Sarah Battersby, University of South Carolina

8:00 Yinghui Cao*, Temple University, Department of Geography and Urban Studies; Michael J. Mason, Villanova University, Department of Education and Human Services, *Geographic Visualization for Exploring Qualitative and Quantitative Activity Space Data.*

8:20 Rumika Chaudhry*, Clark University, *Developing a Web-Based "Land Transitions Intensity Application (LTIA)" to Analyze and Interpret Land Categories Transitions in the Long Term Ecological Research (LTER) Network.*

8:40 Diana Smith*, San Diego State University, *Formalizing and Validating Principles of Web-based Dynamic Cartographic Visualization Using Arctic Sea Ice Examples.*

Discussant(s): Sarah Battersby, University of South Carolina

3174. **Urban Land Use and Planning**

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michaela Buenemann, New Mexico State University

8:00 Chiaki Mizutani*, University of Tsukuba, *Spatial analysis of land use transition using polygon events.*

8:20 Kiersten Von Trapp*, Clark University HERO Fellow, Tufts University master's candidate; Colin Polsky, PhD, Clark University, *Drivers of Residential Lawn care in Suburban Massachusetts.*

8:40 Jin Cui*, University of New South Wales-ADFA; Matthew Beaty, CSIRO Climate Adaptation Flagship, *Urban green space transitions in Canberra, Australia.*

9:00 Cheol-Ho Lee*, Southern California Association of Governments; Simon Choi, Southern California Association of Governments; Frank Wen, Southern California Association of Governments, *Urban Land Use Change and Parcel Demography: From Rule to Price.*

9:20 Michaela Buenemann, Ph.D.*, New Mexico State University; John B. Wright, Ph.D., New Mexico State University; Kristen Hestir, New Mexico State University, *Growthtopia in the Sun Belt: Rates and Patterns of Land Change around Las Cruces, New Mexico, 1984-2009.*

3175. **Historical Perspectives in Political Geography**

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ramesh C. Dhussa, Drake University

8:00 Mikeal John Blackford*, Mikeal J. Blackford, *Machine Guns Destructive of Life: Historical Geography & The Start of WWI in America.*

8:20 David S. Hardin, Associate Professor*, Longwood University, *Der Führer Strasse: Thanatourism and Attitudes Toward Adolf Hitler sites in Twenty-First Century Austria and Germany.*

8:40 Ramesh C. Dhussa*, Drake University, *Panikkar's 'Geographical Factors in Indian History' Revisited.*

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9:00 Mathias J. Le Bossé*, Kutztown University of Pennsylvania, *Place, Space, and Memory: Shaping the Legacies of "D-Day"*.

3176. Fire, Water, Pavement and Collapse

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jacob Tully, Western Washington University

8:00 John Hasse, Ph.D.*, Rowan University, *Integrating LEED-ND with Impervious Surface TDR for Smarter Growth*.

8:20 Rex Rowley*, Illinois State University, *When Water Flows Uphill: Growth and Water Sustainability in Las Vegas*.

8:40 Johanna L Ostling*, Texas State University - San Marcos; David R Butler, Ph.D., Texas State University-San Marcos; William D Butler, Texas State University-San Marcos, *Characteristics of Krummholz at a Recently Burned Site at Alpine Treeline*.

9:00 Jacob Tully*, Western Washington University, *Fire and the Wildland-Urban Interface*.

3177. Borders and Boundedness

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Mathias Albert, Universität Bielefeld

8:00 Borislav Nikoltchev*, University of Northern Iowa, *From "The Balkans" to "Southeastern Europe"? Political discourse and changing geographic designation for a historically defined area.*

8:20 Béla Filep, MSc Geography / MA IRES*, University of Bern, Switzerland, *Re-enforcing mental and physical borders within the European Union*.

8:40 Gabriel Popescu*, Indiana University South Bend, *Geographies of Rebordering: Networked borders, Borderlands and Borderlines*.

9:00 Jarmo Kortelainen*, University of Joensuu, *Complex boundaries of transboundary relations*.

9:20 Mathias Albert*, Universität Bielefeld; Tamara Brown, Bielefeld University, *Regions in World Society: A Macro-Sociological Approach*.

3178. Food: Remote Sensing and Agriculture

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lee F. Johnson, CSUMB

8:00 Xin Tao*, Department of Geography, University of Maryland, College Park; Shunlin Liang, Department of Geography, University of Maryland, College Park; Wenjie Fan, Peking University, P.R. China; Xiru Xu, Peking University, P.R. China, *Estimation of Net Primary Production from Remotely Sensed Data: Model and Analysis*.

8:20 David Johnson*, USDA/National Agricultural Statistics Service, *Accuracy of decision tree-based land cover classification as a function of ground truth error*.

8:40 Kusuma Prabhakara*, University of Maryland, College Park; W. Dean Hively, Ph.D., United States Geological Survey; Greg McCarty, Ph.D., USDA-ARS Hydrology and Remote Sensing Laboratory, *Detection of winter cover crop fields in an agricultural landscape using multispectral satellite imagery*.

9:00 Lee F. Johnson*, California State University, Monterey Bay, *Remote Sensing of Crop Phenology in the California Delta*.

9:20 Siam Lawawirojwong*, Michigan State University; Jiaguo Qi, Michigan State University; Tanita Suepa, Michigan State University, *Classification of MODIS Data Using Phenology-based Artificial Neural Network for Vegetation Mapping in Thailand*.

3179. Economic Geography: Asia

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): YanGang Zhu, Peking University

8:00 Sudarshana Bordoloi*, York University, *The Political Economy of Uneven Rural Development: The Case of the Nonfarm Sector in Kerala, India*.

8:20 Yushu Zhu*, University of Illinois at Urbana Champaign, *Economic Disparity and Spillover Effects in China: Evidence from 1999 to 2006*.

8:40 YanGang Zhu*, Peking University; Canfei He, Peking University, *«An Empirical Study on the Geographical Distribution of Resource-based Industries in China»*.

3181. Natural Hazards in Social Context

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Olatunde Sunday Eludoyin, University of Port Harcourt

8:00 John Onu Odihi, PhD*, Universiti Brunei Darussalam, *Brunei Darussalam 2009 Floods, Landslides and Forest Fires: Lessons for a Safer Tomorrow?*

8:20 Graydon Creed*, San Francisco State University, *A Dry State: Severity and Effects of Drought Conditions in the Southern San Joaquin Valley, California 1928-1934*.

8:40 Alexandra Louise Giancarlo*, Louisiana State University, *From Camille to Katrina: Resilience and Memory along Mississippi's Gulf Coast*.

9:00 Md. Aminul Islam*, University of Maryland at College Park; In-Young Yeo, University of Maryland at College Park, *Forest disturbance in Mississippi - An examination of socioeconomic and biophysical factors association*.

9:20 Olatunde Sunday Eludoyin*, University of Port Harcourt, *Perception of the effects of oil spill on crop production in coastal region of Nigeria*.

3182. Growth and Change in U.S. Cities

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Leslie Bienenfeld

8:00 Andre Graves*, University of Buffalo, *Defining Smart Decline in Youngstown Ohio and Buffalo NY*.

8:20 Anthony Knapp*, Michigan State University, *Growth Machine in the Bayou City: Chinese Immigrant Place Entrepreneurs and the Urban Elite in Houston*.

8:40 Sean M Crotty*, San Diego State University, *Exploring the Geography of Day Labor in San Diego County*.

9:00 Sujata Shetty*, University of Toledo, *Responses to Shrinking Populations in Cities in the U.S. Midwest*.

9:20 Leslie Bienenfeld*, Georgia State University, *Understanding the Political Ecology of Ecovillages in Metropolitan Atlanta*.

FRIDAY, APRIL 16 • 10:00 AM - 11:40 AM • 3200**3202. Geo-Political Power Cores in Bible Times and in the Middle East Today (Sponsored by Political Geography Specialty Group, Bible Geography Specialty Group)**

Room: Delaware Suite A, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): William A. Dando, Indiana State University
 CHAIR(S): Dorothy Drummond, Indiana State University
 Panelists: Bruce R. Crew, Michigan State University; Dorothy Drummond, Indiana State University; Jason Dittmer, University College London; Lillian Larsen, University of Redlands; Matthew Sleeman, Oak Hill Theological College

3203. New Directions in Electoral Geography in the 21st Century (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Fred M. Shelley, University of Oklahoma; Lawrence Knopp, University of Washington Tacoma
 CHAIR(S): Fred M. Shelley, University of Oklahoma
 Panelists: Ron Johnston, University of Bristol; Lawrence Knopp, University of Washington Tacoma; Jonathan Leib, Old Dominion University; Nicholas Quinton, Florida State University; Michael Shin, UCLA; Barney Warf, University of Kansas

3204. Geographies of Experimental Infrastructure 2: Interventions (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): James Evans, University of Manchester
 CHAIR(S): Andrew Karvonen, University of Manchester
10:00 Simon Marvin*, University of Salford; Michael Hodson, University of Salford, *Emerging Strategies of Urban Reproduction: the UK Low Carbon Transition Plan.*
10:20 James P Evans*, University of Manchester, *Experimental Governance and the Politics of the Resilient City.*
10:40 Govind Gopakumar*, Concordia University, *Could we have water, please (and not pay for it)? Understanding the Civics of Water Supply Partnerships in Bengaluru, India..*
11:00 Mitchell Snider*, University of Kentucky, *Mercantilización, technonatural, and state solutions: Water and crisis in the Spanish Context.*
 Discussant(s): Stephanie Pincetl, University of California

3205. J. Warren Nystrom Award Competition

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kirstin Dow, University of South Carolina
10:00 Stephen Aldrich*, Indiana State University, *Spatial Decision-Making and the Environment in the Amazon Land War.*
10:20 Laura J. Stroup*, Texas State University, *Adaptation of U.S. Water Management to Climate and Environmental Change.*
10:40 Clark Gray*, Duke University, *Environment, Land and Rural Out-Migration in the Southern Ecuadorian Andes.*
11:00 Erika Wise*, The University of Iowa, *Atmosphere-Ocean Controls on Snake River Streamflow: Implications for a Changing Climate.*
 Discussant(s): Craig Colten, Louisiana State University; Yuko Aoyama, Clark University; Kenneth R. Young, University of Texas at Austin

3206. Combating Climate Change in Mega Cities 2

Room: Marriott Ballroom Salon 1, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Matias Ruiz Lorbacher, Freie Universität Berlin (Germany); Steven Bayer, Freie Universität Berlin
 CHAIR(S): Matthias Kracht, Freie Universität Berlin
10:00 Matias Ruiz Lorbacher*, Freie Universität Berlin (Germany); Urda Eichhorst, Wuppertal Institute for Climate, Environment and Energy; Malte Beckmann, Wuppertal Institute for Climate, Environment and Energy, *Mega Cities, Rapid Urbanization, and Transport: China's Urban Transport Policy.*
10:20 Andreas Gravert*, Technical University of Cottbus (Germany); Frank Schwartze, Technical University of Cottbus; Ly Khanh Tam Thao, Ho Chi Minh City Department of Planning and Architecture, Vietnam; Truong Trung Kien, Ho Chi Minh City Department of Planning and Architecture, Vietnam, *Local institutions and urban climate change adaptation - Experiences and strategies from Ho Chi Minh City, Vietnam.*
10:40 Michael Waibel*, University of Hamburg, *Challenges for the Promotion of Energy-Efficient Housing in Vietnam's Metropolis before the Background of Climate Change.*

3207. Drivers and Impacts of Agricultural Land Use

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Pedram Rowhani, McGill University; Marc Linderman
 CHAIR(S): Pedram Rowhani, McGill University
10:00 Marc Linderman*, University of Iowa; Pedram Rowhani, McGill University; Yu Zeng, University of Iowa, *Drivers of Interannual Variability in Agro-Ecosystems.*
10:15 Matthew Voss*, University of Northern Iowa; Andry Petrov, University of Northern Iowa; Ramanathan Sugumaran, University of Northern Iowa, *Spatial dimensions of the ethanol boom: spatio-temporal analysis of crop acreage variation in Iowa.*
10:35 Kurt Richter*, University of California - Davis, *Exurbia and Agricultural Land Use in the Urbanizing Central Valley of California.*
10:55 Mae Rose Petrehn*, Iowa State University Graduate Program in Sustainable Agriculture; John Tyndall, PhD, Iowa State University Department of Natural Resources, Ecology and Management; Elizabeth Hill, Ecologist, Whiterock Conservancy, *Mapping the Social Landscape of Grazing in Iowa: Visions for Ecosystem Services Provisioned by Grazing Systems in the Raccoon River Savanna Bird Conservation Area.*
11:15 Rachael Garrett, PhD Student*, Stanford University, *Macroeconomic Model of Changes in Planted Area of Soybeans in Brazil.*
 Introducer: Pedram Rowhani

3208. "New Wars"? I: Considering Gaza and Lebanon (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Oliver Christian Belcher, University of British Columbia; Derek Gregory, University of British Columbia at Vancouver
 CHAIR(S): Oliver Christian Belcher, University of British Columbia
10:00 Ron J Smith*, University of Washington, *Detaining a Nation: Isolation, Incarceration and Safety in the Occupied Territories.*
10:20 Craig Jones*, UBC, *Of War and Law: Military and Juridical Soldiers in the War on Gaza.*

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10:40 Jabary Salamanca Omar*, University of Ghent, *Unplug and play: manufacturing collapse in Gaza.*

11:00 Najib B Hourani, PhD*, Michigan State University, Dept. of Anthropology, Global Urban Studies Program, *Capitalist Globalization from the Outside In: Lessons of the Lebanese Civil Wars.*

3209. Spatializing "Camps:" Lived Experiences and Built Environments of Confinement II (Sponsored by Political Geography Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Romola Sanyal; Carol Lynne Horiuchi, University of California Berkeley

CHAIR(S): Carol Lynne Horiuchi, University of California Berkeley

10:00 Ayesha Nibbe*, University of California, Davis, *Reconsidering "Bare Life": Reflections on Displacement Camps in Post-Conflict Northern Uganda.*

10:20 Nell Gabiam*, The University of Chicago, *A Camp is a Feeling Inside: Spatial Transformations and Refugee Identity.*

10:40 Adam Ramadan*, University of Cambridge, *Assembling and destroying the refugee camp: the case of Nahr el-Bared.*

11:00 Diana Martin*, Department of Geography - Durham University, *Exception Vs. Resistance in Shatila Palestinian refugee camp of Beirut.*

Discussant(s): Daniel Bertrand Monk, Colgate University

3210. 2010 Distinguished Historical Geography Lecture (Sponsored by Historical Geography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Jamie Winders, Syracuse University; Karen M. Morin, Bucknell University

CHAIR(S): Garth Andrew Myers, University of Kansas

Introducer: Jamie Winders

10:05 Laura J. Cameron, Ph.D*, Queens University, *Digging in the Dirt.*

3211. Climatology, Geomorphology, Water Resources, Applied Geography

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Edwin C. Butterworth, United States Army Engineer Research & Development Center

10:00 Anke P. Keuser, University of Wisconsin-Milwaukee; Woonup Choi, Ph.D*, University of Wisconsin-Milwaukee, *Temperature Trend in North and Central Illinois from Weather Stations and North American Regional Reanalysis.*

10:06 Laiyin Zhu*, Department of Geography, Texas A&M University, *Spatial and temporal variations of Tropical Cyclone(TC) precipitation in Texas.*

10:12 Bohumil M Svoma*, Arizona State University, *The Influence of Monsoonal Gulf Surges on Precipitation and Diurnal Precipitation Patterns in Central Arizona.*

10:18 William H. Renwick*, Miami University; Elizabeth J. Ellison, Miami University; Monica T Rakovan, Miami University, *Transition from net aggradation to net erosion in streams of the Eastern United States.*

10:24 JOSE ROA*, University of Los Andes-Venezuela, *An empirical procedure to landform-morphometry delineation from SRTM data based.*

10:30 Sarah McCall*, Chemonics International, *Geo-cultural Implications of Privatizing Water Utilities.*

10:36 Rachel C. Sayre, Master of International Affairs Candidate*, Penn State University, *Water Wars in South Asia: Exploring Possibilities for Cooperation and Conflict between Bhutan and India.*

10:42 Dennis Low, Professional Geologist, M.S.*., United States Geological Survey, *Hydrogeologic and Geochemical Factors that Control Arsenic Concentrations.*

10:48 In-Young Yeo*, University of Maryland - College Park, *Sustainable land management under the climate variability and land use change through an integrated optimization method.*

10:54 Sainan Zhang*, Arizona State University; Abigail M. York, Arizona State University; Christopher G. Boone, Arizona State University; Milan Shrestha, Arizona State University, *Water Provisioning as a Driving force of Land fragmentation in the Metropolitan Phoenix Area.*

11:00 Heather Bell*, Pacific Disaster Center, *Operationalizing Risk and Vulnerability Information.*

11:06 Edwin C. Butterworth*, AMTRAK Accessibility for College Students.

3212. Conceptualising and Measuring Segregation: Spatial Scale, Population Structure and Population Dynamics: II (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)

Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Chris Lloyd, Queen's University, Belfast; Ian Shuttleworth

CHAIR(S): Chris Lloyd, Queen's University, Belfast

10:00 Albert Sabater*, Centre d'Estudis Demogràfics, *Population Dynamics and Changes in Residential Segregation across the Life Course.*

10:20 Richard Harris, Dr.*., Centre for Market and Public Organisation, University of Bristol, *Modeling processes of segregation in the transition from elementary to high school in the UK.*

10:40 Gemma Catney*, Queen's University, Belfast; Dermot O'Reilly, Queen's University, Belfast; Michael Rosato, Queen's University, Belfast, *Residential segregation and general health status in Northern Ireland.*

11:00 Sarah J. Brinegar*, Department of Justice, *The Segregation Patterns of Hispanic Citizens versus Non-citizens.*

11:20 Melanie Ann Rapino*, University of Memphis; Gregory Taff*, University of Memphis, *Are common uses of Local and Global Moran's I statistics appropriate? Theoretical considerations and a multiple scale analysis of Moran's I statistics for race and ethnicity in Shelby County, TN.*

3213. Power, Politics, and Water Resource Technologies II (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Kathleen O'Reilly, Texas A&M University

CHAIR(S): Olivier Graefe, University of Fribourg

10:00 Maria Lane*, University of New Mexico, *Water technology, discourse, and the courtroom: New Mexicans resist the Reclamation Era.*

10:20 Kerri Jean Ormerod*, University of Arizona, School of Geography and Development, *Potable Water Reuse: Public Trust in the Next Water Frontier.*

10:40 Malini Ranganathan, PhD Candidate*, University of California at Berkeley, *Capitalizing (on) Water: The Techno-Politics of Greater Bangalore's Piped Water Supply Project.*

11:00 Kathleen O'Reilly*, Texas A&M University, *Drinking Water Supply Technologies and Caste Struggles in North India.*

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- 3214. Multi-scale assessments in water resources: Basic challenges in current research (Sponsored by Water Resources Specialty Group, Climate Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Park Tower 8210, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Prof. Shama Perveen, University of Nevada Las Vegas; Kin M. Ma, Grand Valley State University
 CHAIR(S): William J. Smith, University of Nevada Las Vegas
 Panelists: Christopher Lant, Southern Illinois University; Peter Black, SUNY ESF; L Allan James, University of South Carolina; Lawrence Band, University of North Carolina - Chapel Hill; Aaron T. Wolf, Oregon State University; Carmen Revenga

- 3215. Re-Exploring the North V: social and natural transformations in the Circumpolar North (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Canadian Studies Specialty Group, Cryosphere Specialty Group)**

Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Andrey N Petrov, University of Northern Iowa; Timothy Edmund Heleniak, University of Maryland
 CHAIR(S): Timothy Edmund Heleniak, University of Maryland
 10:00 Laurence C. Smith, Professor*, UCLA; Scott R. Stephenson, UCLA; Vena W. Chu, M.A., UCLA, *The Circumpolar North in 2050: A Thought Experiment*.
 10:20 Scott Stephenson*, UCLA; Laurence C Smith, PhD, UCLA; John A Agnew, PhD, UCLA, *Implications of Climate Change for Arctic Accessibility Modeling*.
 10:40 Dmitry A. Streletskiy*, University of Delaware; Nikolay I Shiklomanov, The George Washington University; Frederick E. Nelson, University of Delaware, *All fall down? Arctic infrastructure and climate change*.
 11:00 Mark A. Parsons*, University of Colorado, Boulder; Shari Gearheard, National Snow and Ice Data Center; Chris McNeave, National Snow and Ice Data Center, *Local and Traditional Knowledge in Understanding Arctic Change*.
 11:20 Lisa Cooke, PhD*, Thompson Rivers University, *(Re)-Exploring North&.At Wal-Mart&.*

- 3216. Racial Ontologies and Corporeal Feminism II (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Ethnic Geography Specialty Group)**

Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Shannon Hensley, University of Exeter; Rachel Slocum
 CHAIR(S): Rachel Slocum
 10:00 Shannon Hensley*, University of Exeter, *Spoons, drums and a big heart: materializing race and class through bodies that feel*.
 10:20 Anoop Nayak*, Newcastle University, *Visceral Racism*.
 10:40 Mary E. Thomas*, Ohio State University, *The body as constraint: racial identification and recognition*.
 11:00 Minelle K Mahtani, Dr.*, University of Toronto, *Seductive Illogics: Diversity, Neoliberalism and Race in the Newsroom*.
 Discussant(s): Arun Saldanha, University of Minnesota - Minneapolis

- 3217. China and Globalization V: Shanghai (Sponsored by Urban Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)**

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Yehua Dennis Wei, University of Utah; Yu Zhou, Vassar College
 CHAIR(S): Chi Kin Leung, California State University, Fresno
 10:00 Chi Kin Leung, Ph.D.*, California State University, Fresno, *Network Control Evolution of Foreign Manufacturing Establishments in Shanghai*.
 10:20 Debin Du*, Department of Human Geography, East China Normal University, *Location of Foreign R&D in China: A Comparison between Beijing and Shanghai*.
 10:40 Peilei Fan*, Michigan State University; Wenzhe Yue, Zhejiang University; Jiaguo Qi, Michigan State University, *Rising new centers in globalizing cities: a case of Pudong New Area in Shanghai*.
 11:00 Yuling Song*, National Changhua University of Education, Taiwan, *The Cross-Strait Linkage of Sociospatial Differentiation under Globalization: The Second Houses of Taiwanese Migrants and Local Residents in Shanghai*.
 11:20 Andrew M. Marton, Professor*, University of Nottingham Ningbo China, *Creative Clusters and Urban Regeneration in a Globalising Shanghai*.

- 3218. Environmental Concerns and Water Issues in South Asia (Sponsored by Water Resources Specialty Group, Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**

Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Vandana Wadhwa, Boston University
 CHAIR(S): Chansheng He, Western Michigan University
 10:00 RANBIR S KANG*, Western Illinois University, *Depleting Ground Water in the Bist Doab region of Indian Punjab*.
 10:20 Mayur A. Gosai, PhD*, Winston Salem State University, *Identifying discrepancies in the National Forest Inventory: Thimphu, Bhutan (1990-2007)*.
 10:40 Ishrat Islam*, Bangladesh University of Engineering and Technology; Neelopal Adri, Bangladesh University of Engineering and Technology, *Waterlogged Areas of Bangladesh: A Study on Peoples' Vulnerability and Coping Mechanisms*.
 11:00 Syed J. Kazmi*, University of Karachi, *A Geographical Evaluation of Turtle Nesting Habitats on the Coast of Karachi, Pakistan*.
 11:20 David G. Dickason, Ph.D.*, Western Michigan University, *Reading Aaron Arrowsmith's Atlas of South India: A Preliminary Assessment*.

- 3219. Hydroclimatology II (Sponsored by Water Resources Specialty Group, Climate Specialty Group, Cryosphere Specialty Group)**

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Timothy W Hawkins, Shippensburg University; Rezaul Mahmood, Western Kentucky University
 CHAIR(S): Steven Quiring, Texas A&M University
 10:00 Dinali Nelun Fernando, Rutgers University*, Rutgers University; David A. Robinson, Rutgers University, *Predicting seasonal drought in a tropical setting using forecast fields from GCM ensembles*.
 10:20 Michael A. Palecki*, National Climatic Data Center, *Insights from Triplicate Measurements of Soil Moisture by the U.S. Climate Reference Network*.

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10:40 Rezaul Mahmood*, Western Kentucky University; Ronnie Leeper, Western Kentucky University; Arturo Quintanar, Western Kentucky University, *Sensitivity of planetary boundary layer atmosphere to changes of land use/land cover, vegetation fraction, and soil moisture in Western Kentucky, USA.*

11:00 Lei Meng*, Cornell University; Steven Quiring, Texas A&M University, *Examining the Influence of Spring Soil Moisture Anomalies on Summer Precipitation in the U.S. Great Plains using the Community Atmosphere Model version 3 (CAM3).*

11:20 Steven Quiring*, Texas A&M University, *A comparison of in situ, passive microwave, and model-derived snow water equivalent estimates in the North Great Plains.*

3220. Climate Adaptation, Landscapes, and Institutions (CALI) V (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Arun Agrawal, University of Michigan

CHAIR(S): Tim Forsyth, London School of Economics

10:00 Helene Amundsen*, CICERO Centre for International Climate and Environmental Research -Oslo, *Understanding adaptation processes - experiences from natural resource use communities in northern Norway..*

10:15 Arabella Fraser*, London School of Economics, *Urban adaptation and risk: rethinking approaches in Colombia.*

10:30 Muriel Cote*, University of Edinburgh, *Connecting resilience: intersections, divergence and complementarities with livelihood studies and political ecology.*

10:45 Kirsten Lackstrom*, University of South Carolina, *Institutions and Drought Adaptation in the Carolinas, 1998-2008.*

Discussant(s): Hallie Eakin, Arizona State University

3221. Climate Change Impact in North America

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

ORGANIZER(S): Program Committee

CHAIR(S): Adam Terando, Pennsylvania State University

10:00 Kenneth A. Barrick*, Geography Department, University of Alaska Fairbanks, *Climate control technology: Will it be the end of American wilderness?.*

10:20 Mark A. Drummond, Ph.D.*, United States Geological Survey, *Land-Use Pressure and Forest Cover Change: Regional Variability and National-Scale Trends in the United States.*

10:40 Tammy Rittenour*, Utah State University; Heidi Pearce, Utah State University, *Drought and Dune Activity on the Snake River Plain, southeastern Idaho.*

11:00 Adam Terando*, North Carolina State University; Todd Earnhardt, North Carolina State University; Alexa McKerron, US Geological Survey, *Projecting Fire Frequency Impacts on a Southeast US Landscape in a Changing Climate.*

11:20 Bruce V Millett*, South Dakota State University, *Changing Climate and Prairie Wetland Complexes.*

3222. Spanning Political Ecologies II: International and Multi-Paradigm Collaborations (Sponsored by Cultural and Political Ecology Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Paul Robbins, University of Arizona; Colin Polsky, Clark University

CHAIR(S): Colin Polsky, Clark University

10:00 Raphaël Mathevet*, CEFCE CNRS, *Wetland Management, Social Conflicts and Environmental Crisis in the Biosphere Reserve of Camargue (Rhône river delta, Southeastern France): Lights and Shadows of Policies, Sciences and Land Uses Interactions..*

10:20 Nancy Peluso, Professor*, University of California; Olivier Bonato, Research Scientist, PhD, IRD-CGBP; Tor Benjaminsen, Professor, Norwegian University of Life Sciences; Paul Robbins, Professor, University of Arizona, *Situating a Parasite in the Science-Industry-Regulatory complex: The Political Ecology of a Bemisia Phyto-virus in Southern France.*

10:40 Gabrielle Bouleau*, UMR G-EAU, Cemagref, 361 rue Jean-François Breton, F-34196 Montpellier, France; Sylvain Barone, UMR G-EAU, Cemagref, 361 rue Jean-François Breton, F-34196 Montpellier, France, *Is France the EU star pupil in water management? Political ecology of recent water policy in France.*

11:00 Lance Gunderson*, Emory University; Allyson Quinlan, Resilience Alliance; Francois Bousquet, CIRAD; Raphael Mathevet, CNRS, *Looking at the SETER case studies through a resilience lens, darkly.*

Discussant(s): Christian Kull, Monash University

3223. HDGC Plenary Panel Showcasing Human Dimensions Scholarship. Part I: Rural Areas (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Darla Munroe, Ohio State University

CHAIR(S): Eric Keys, University of Florida

Panelists: John A. Harrington, Kansas State University; Sarah D'haen; Billie L. Turner, Arizona State University; Robin M. Leichenko, Rutgers University; Ashwini Chhatre, University of Illinois at Urbana-Champaign; David Lansing, University of Maryland Baltimore County

3224. Geospatial Information Officers (GIOs): Champions of GIS (Sponsored by Geographic Information Science and Systems Specialty Group, Applied Geography Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Lucy Stanfield, U.S. Environmental Protection Agency; Matthew T. Koeppe, George Washington Univ.

CHAIR(S): Lucy Stanfield, U.S. Environmental Protection Agency

Introducer: Lucy Stanfield, U.S. Environmental Protection Agency
Panelists: Joseph Fontanella, U.S. Army Corps of Engineers; Jerry Johnston, U.S. Environmental Protection Agency; Barney Krucoff, District of Columbia; Stephen Lowe, U.S. Department of Agriculture; Karen Siderelis, United States Geological Survey; Timothy F. Trainor, U.S. Bureau Of the Census

3225. Connections

Room: Hoover, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick

CHAIR(S): David Featherstone, University of Glasgow

10:00 Thor Ritz*, Hunter College, *The Geography of George Jackson.*

10:20 Adrian N. Mulligan*, Bucknell University, *'Beyond the limits of the American eagle': Frederick Douglass, Ireland, and the realization of freedom..*

10:40 David Featherstone*, University of Glasgow, *Black Internationalism and the Making of Place.*

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3226. Changing Rural Geographies in the United States -II (Sponsored by Rural Geography Specialty Group, Population Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Peter B. Nelson, Middlebury College; John Cromartie, Economic Research Service, USDA
CHAIR(S): Alexander C. Vias, University of Connecticut
10:00 Matthew W. Foulkes*, University of Missouri, *Diversity and environmental learning amongst amenity migrants to exurban Colorado.*
10:20 Peter B. Nelson*, Middlebury College, *Rural Gentrification and Linked Migration in the United States.*
10:40 Justine Law*, The Ohio State University, *Building Future Forests: Politics, Ecology, and the Co-production of Landscape in Southeastern Ohio.*
11:00 Miranda Mockrin*, USDA Forest Service, Research; Susan I Stewart, USDA Forest Service, Northern Research Station, *Temporal and Spatial Patterns of Housing Development in New England, 1940-2000..*
Discussant(s): John Cromartie, Economic Research Service, USDA

3227. Wine in the World (Sponsored by Wine Specialty Group)

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Denyse Lemaire, Rowan University
CHAIR(S): Percy H. Dougherty, Kutztown University of Pennsylvania
10:00 Denyse Lemaire*, Rowan University; David Kasserman, Ph. D, Rowan University, *The Terroir of the Bordeaux A.O.C. - Physical and Human Components.*
10:20 Dana Litwornia, student*, Rowan University, *History and Geography of the Development of Bordeaux Wines.*
10:40 Percy H. Dougherty*, Kutztown University of Pennsylvania, *Super Tuscans, Not Your Grandmother's Chianti in a Wicker Wine Bottle.*
11:00 Victoria Tasker*, Brock University; Marilynne Jollineau, Associate Professor, Brock University, *A Geospatial Perspective to Wine Production in the Niagara Region.*

3228. Latin America: Urban Issues

Room: Johnson, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Petronella Muraya, Howard University
10:00 John Brohman*, Simon Fraser University, *Decentralization, indigeneity, structural economic changes and popular participation in contemporary Bolivia.*
10:20 Myrtho Joseph*, Louisiana State University; Myrtho Joseph, Student, *Population Density Patterns in Port-au-Prince, Haiti: A Model of Latin American City?.*
10:40 Petronella Muraya*, Howard University, *Venezuela's Petrocasas: sustainable development in the shelter sector and oil refining.*

3229. The Privatization of Public Space? Comparisons, periodizations and trajectories II (Sponsored by Urban Geography Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Kevin Ward, University of Manchester; Setha Low
CHAIR(S): Setha Low
10:00 Sharon Zukin*, CUNY, *Authentic Public Space: 30 Years of Fragmentation in New York City.*
10:20 Alix Freiler, Master of Urban Studies*, Simon Fraser University; Meg Holden, PhD, Assistant Professor, Simon Fraser University, *Homelessness in the Livable City: Public space regulation in Olympic city Vancouver's poorest neighbourhood.*

10:40 Babette Audant*, CUNY Graduate Center, *From Public Market to La Marqueta: Reframing public space as privatized plaza.*

11:00 Adam Tyndall*, University of Newcastle, Australia, *Publicness, Martin Place and Global Sydney: Stop Still, Stop Bush, and the Sydney Festival.*

11:20 Helen C. Jarvis, Dr.*, University of Newcastle Upon Tyne; Lia Karsten, Dr., University of Amsterdam, *Progressive privatization: families claiming public space for collective interaction.*

3230. Remote Sensing and GIS for Urban Analysis II (Sponsored by Urban Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Xiaojun Yang, Florida State University; Victor Mesev, Florida State University
CHAIR(S): Victor Mesev, Florida State University
10:00 Dengsheng Lu*, Indiana University-ACT; Emilio Moran, Indiana University; Scott Hetrick, Indiana University, *Mapping and monitoring impervious surface dynamic change with multitemporal and multiscale remotely sensed data in a complex urban-rural landscape.*
10:20 Soe W Myint*, Arizona State University; Elizabeth A Wentz, Arizona State University; Anthony Brazel, Arizona State University, *The impact of detailed land-cover categories on urban warming.*
10:40 Shawn M Landry*, University of South Florida; Ruiliang Pu, University of South Florida, *Evaluating Urban Environmental Policy Using Pixels and Parcels.*
11:00 Heather A Sander, Ph.D.*, U.S. EPA; Steven M Manson, Ph.D., Dept. of Geography, University of Minnesota; Robert G Haight, Ph.D., U.S. Forest Service Northern Research Station, *What's It Worth? A Case Study in Modeling and Economic Valuation of Urban Ecosystem Services.*
Discussant(s): Xiaojun Yang, Florida State University

3231. Leftward Politics and Implications for Latin American Peoples and Landscapes II (Sponsored by Cultural and Political Ecology Specialty Group, Remote Sensing Specialty Group, Latin America Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Daniel Redo, Texas A&M University; Derrick Hindery, University of Oregon (International Studies and Geography)
CHAIR(S): Daniel Redo, Texas A&M University
Introducer: Daniel Redo
10:00 Robert Toovey Walker*, Michigan State University, *Land Conflict and Land Change in Amazonia.*
10:16 Erin Siodmak*, CUNY Graduate Center, *Negotiating Neoliberalism: Sustainable Development and Grassroots Struggles in Nicaragua.*
10:32 Mark Patterson*, Kennesaw State; Nancy Hoalst-Pullen*, Kennesaw State University, *Forest Plantations of Chile: A Case Study of Neoliberalism and Human-Induced Equifinality.*
10:48 Daniel Redo*, Texas A&M University; Andrew Millington, Dr., Texas A&M University; Derrick Hindery, Dr., University of Oregon, *Land Use Policy Changes and the Implications for Deforestation in post-Neoliberal Bolivia.*
11:04 Derrick Hindery, Ph.D.*, University of Oregon (International Studies and Geography), *Leftward Politics and Implications for Latin American Peoples and Landscapes.*

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11:20 Audrey Joslin*, Texas A & M University, *Agrarian Reform Settlements in the Brazilian Amazon: An Examination of Organizational Conflict and Environmental Repercussions.*

Discussant(s): Anthony J Bebbington, University of Manchester

3232. The Gender, Place and Culture Jan Monk Distinguished Lecture

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Sarah Moore, University of Arizona

CHAIR(S): Deborah Dixon

Introducer: Deborah Dixon

Panelists: Katherine Gibson, University of Western Sydney; Julie Graham, University of Massachusetts

3233. Citizenship Education in the Twenty-First Century: What Role for Geography? (Sponsored by Geography Education Specialty Group)

Room: McKinley, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Alex Standish

CHAIR(S): Alex Standish

Panelists: Alex Standish; Clare Brooks, Institute of Education; Robert W. Morrill, Virginia Geographic Alliance; Joseph P. Stoltman, Western Michigan University

3234. Methods and Applications in Addressing Information Needs in Humanitarian Emergencies

Room: Taft, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Megan E. Overbey, Association of American Geographers; Candida Mannozi, Association of American Geographers

CHAIR(S): Paul Bartel, U.S. Department of State

Panelist: Malinda Van Sledright

3235. Fascism: its origins and development II (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Salvatore Engel-DiMauro, SUNY New Paltz

CHAIR(S): Pierpaolo Mudu, Università Di Roma

Panelists: David Atkinson, University of Hull, UK; Alessandro Salvador, Student; Loredana Guerrieri, Osservatorio Di Genere - Istituto Storico Della Resistenza Di Macerata; Waquar Ahmed, Mount Holyoke College; Roberto Paolo Franzosi, Emory University

3236. Environmental Restoration Research (Sponsored by Biogeography Specialty Group, Geomorphology Specialty Group)

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Scott Markwith, Florida Atlantic University; Gabrielle L. Katz

CHAIR(S): Scott Markwith, Florida Atlantic University

10:00 Gabrielle L. Katz*, Appalachian State University, *Fast and slow responses of riparian vegetation and geomorphology to hydrologic restoration on an un-dammed arid region river.*

10:20 Grey R Evenson*, Department of Geography, The Ohio State University; Ningchuan Xiao, PhD, Department of Geography, The Ohio State University, *Using genetic algorithms to identify restoration strategies for a cypress swamp in southern Illinois.*

10:40 Doug Fischer*, CSU Northridge; Mary Carroll, ARCADIS, Santa Maria, CA; Greg McGowan, ARCADIS, Santa Maria, CA, *Using Forensic Biogeography to Restore Distribution of the Last Known Wild Population of Ventura Marsh Milk Vetch.*

11:00 James Kurt Lein*, Ohio University; Matthew G. Alden, Ohio University, *A Comparative Assessment of Evidence-based Classification for Environmental Reclamation Monitoring.*

11:20 Scott Markwith*, Florida Atlantic University, *Variation in Hydrochory Patterns Among Restored and Non-restored Reaches of the Kissimmee River.*

3237. The Ethics of Energy I (Sponsored by Geography of Religions and Belief Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Energy and Environment Specialty Group)

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Michael Philip Ferber, The King's University College; Johanna Haas, Illinois State University

CHAIR(S): Johanna Haas, Illinois State University

10:00 Johanna Haas*, Illinois State University, *The ethical nature of property ownership in rural extractive communities.*

10:20 Michelle Yates*, UC Davis, *The Fossil Fuel Mode of Production: Capitalism, Value, and Ecological Degradation.*

10:40 Conor Harrison*, East Carolina University; Jeff Popke, East Carolina University, *"Because You Got to Have Heat": Fuel Poverty, Weatherization, and Landscapes of Care.*

11:00 Kate Coddington Senner*, Syracuse University, *"It Was Just This Wild West Crazy Town": Post-Exxon Valdez Transformations of Nature and the State in Seward, Alaska.*

11:20 Andrew Miccolis, Consultant*, U.C. Berkeley/EBI; Renata Andrade, Universidade Católica De Brasília, *Biodiesel in the Brazilian Amazon: Mapping Initiatives, Policies, and Impacts.*

3238. To Protect and Serve: Critical Investigations into America's Nature-Culture Dialectic Session I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, History of Geography Specialty Group)

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yolonda Youngs, Oklahoma State University; Terence Young, California State Polytechnic University-Pomona

CHAIR(S): Geoffrey L. Buckley, Ohio University

10:00 Terence Young*, California State Polytechnic University-Pomona, *The Authenticity of Backpacking.*

10:20 Peter Blodgett*, Huntington Library, *"In the Wild Heart of America": Tourism, Gender and the Promotion of Western National Parks 1916-1941".*

10:40 William E. O'Brien*, Florida Atlantic University, *Parks and the Pursuit of Justice: The NAACP's Fight to Integrate Southern State Parks.*

11:00 Rebecca Sheehan, PhD*, Oklahoma State University, *"We know Where We Come From": Chronically Homeless Persons' Constructions of Meaning in a Historical Public Space.*

Introducer: Yolonda Youngs

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ORGANIZER(S): Isaac N. Luginaah, University of Western Ontario; Florence Margai, Binghamton University-SUNY

CHAIR(S): Isaac N. Luginaah, University of Western Ontario

10:00 Raymond Asare Tutu*, Pennsylvania State University, *Postpartum Practices, Place of Residence, and Birth Intervals in Ghana: Are There Health Implications?***10:20** Joshua K. Tobias*, University of Western Ontario; Isaac Luginaah, University of Western Ontario; Chantelle Richmond, University of Western Ontario, *Recipe for Disaster - Illicit Alcohol Misuse and Infectious Disease in Ghana's Upper West***10:40** Eric Y Tenkorang*, University of Windsor, *Physical abuse in early childhood and transitions to first sexual intercourse among youth in Cape Town, South Africa***11:00** Eric Tenkorang, PhD, University of Windsor; Isaac N. Luginaah*, University of Western Ontario; Eleanor Maticka-Tyndale, PhD, University of Windsor, *Determinants of condom use among rural youth in Edo State, Nigeria: Does the school environment matter?***3241. Manufacturing Capitalism (2): Adaptation, Survival, Resilience and New Geographies of Production (Sponsored by Economic Geography Specialty Group)***Room: Tyler, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): John Bryson, University of Birmingham; Tara Vinodrai, University of Waterloo

CHAIR(S): Vida Vanchan, Buffalo State College

10:00 Dawn M Drake*, University of Tennessee, *Can Green Technologies and New Global Strategies Unseat the "Big Green Machine": An Examination of the US Farm Machinery Industry***10:20** Sebastien Breau*, McGill University, *Exporting, Foreign Direct Investment and Wages: Evidence from the Canadian Manufacturing Sector***10:40** John R. Bryson*, University of Birmingham, *Production Projects as Tasks and the Emerging Geographies of Hybrid Value 'Chains'***11:00** Finbarr Livesey*, IfM, University of Cambridge, *The impact of production structure on company outcomes*. Discussant(s): Tara Vinodrai, University of Waterloo**3242. Everyday Places in North America 2: Material Culture, Memory, and Representation (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)***Room: Wilson A, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Christopher W. Post, Kent State University - Stark Campus; James A. Hanlon, Southern Illinois University Edwardsville

CHAIR(S): Christopher W. Post, Kent State University - Stark Campus

10:00 Christopher W. Post*, Kent State University - Stark Campus, *Public Art, Landscape, and the Memory of Repression***10:20** Timothy G. Anderson*, Ohio University, *Historical Settlement Geography of the Middle Scioto Valley, Ohio, 1790-1850***10:40** Jakob Crockett*, University of South Carolina, *Commodity Landscapes in the Early Twentieth Century American South***11:00** James A. Davis*, Brigham Young University; Samuel M. Otterstrom, Brigham Young University, *Highway Markers in the Mountain West and Preservation of Historical Memory***11:20** Scott Nesbit*, University of Richmond, *The Historical Atlas and American Historical Thinking***3243. Community and community organizing in the time of Obama (Sponsored by Urban Geography Specialty Group)***Room: Wilson B, Marriott, Mezzanine Level (Panel Session)*

ORGANIZER(S): James DeFilippis, Rutgers University

CHAIR(S): James DeFilippis, Rutgers University

Panelists: Robert Fisher, University of Connecticut; Kathe Newman, Rutgers University; David Imbroscio, University of Louisville; Amanda Huron, Graduate Center, CUNY; Joshua F. Inwood, Auburn University; James DeFilippis, Rutgers University

3244. Place Name Geography & Historical Analysis I*Room: Wilson C, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): James Kari, University of Alaska Fairbanks

10:00 James Kari*, University of Alaska Fairbanks, *How Ahtna Athabascan Geographic Names Facilitate Pedestrian Travel***10:20** Fausto O. Sarmiento*, University of Georgia, *Páramo Onomastics and other Misnomers in the Construction of Faulty Andeanity and Weak Andeaness***10:40** Renee Pualani Louis*, University of Hawaii, *Hawaiian storied place names: the journey from un-naming to re-placing***11:00** Jason Grek-Martin, Ph.D. *, Saint Mary's University, *Writing Scientific Authority Into the Landscape: Colonial Place Names on Haida Gwaii***11:20** Roberto H Valdez, Geography Grad Student*, University of New Mexico, *Proposal for a Thesis: A Case Study in Toponymy: The Place Names of the Tewa Basin as Reflecting Comparisons of Human Environment Interaction***3245. Topics in Remote Sensing***Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Virginia Gorsevski

Brenna Schwert*, Clark University; John Rogan, Clark University; Dominik Kulakowski, Clark University; Jennifer Miller, UT Austin, *The use of non-parametric species distribution models with Landsat imagery, ancillary variables, and FIA data to map tree species in Massachusetts, USA*James A Thompson*, The University of Toledo, *Identifying Subsurface Tile Drainage using Remote Sensing Techniques*Xiufang Zhu*, University of Maryland; Shunlin Liang, University of Maryland, *A useful irrigation index to map irrigated areas*Anupam Anand*, University of Maryland; Anupam Anand, University of Maryland, *Exploring waveform Lidar energy return for comparing canopy structure across varied forest types*Peggi L. Dudley*, University of Maryland, *Mapping tree height in Maryland's forests*Tao He*, Department of Geography, University of Maryland, College Park; Hongyi Wu, Department of Geography, University of Maryland, College Park; Shunlin Liang, Department of Geography, University of Maryland, College Park, *Use of Geostationary Satellite Data to Estimate Surface Albedo in North America*Jordan Long*, United States Geological Survey, *Mapping Mangrove Forest Distribution in Australia using Landsat Imagery*Jeffrey Adam VanLooy*, University of Utah, *Multidecadal surface elevation and volume change rates of a British*

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- Columbian Icefield.*
- Naizhuo Zhao*, Texas State University, *Modeling spatiotemporal changes of Chinese electrical power consumption using DMSP/OLS stable light images.*
- Amanda Whitehurst*, University of Maryland; Ralph Dubayah, Geography Department, University of Maryland, College Park, MD; Michelle Hofton, Geography Department, University of Maryland, College Park, MD; J. Brian Blair, Laser Remote Sensing Branch, NASA Goddard Spaceflight Center; Anu Swatantran, Geography Department, University of Maryland College Park, MD, *Exploring the Ability of Lidar to Detect Forest Canopy Layering.*
- Do-Hyung Kim*, University of Maryland- College Park; Min Feng, University of Maryland - College Park; Raghuram Narasimhan, University of Maryland - College Park; Chengquan Huang, University of Maryland - College Park; Saurabh Channan, University of Maryland - College Park; John Townshend, University of Maryland - College Park, *Monitoring Forest Change in Korean Peninsula Using Global Land Survey Data.*
- Matthew Graham*, University of Florida, *Wildfire Reburn Severity In North Central Florida.*
- QIAN HAO*, Department of Geogrpahy, The Ohio State University, *The evaluation of three remote sensing images fusion methods.*
- Robert Brannock*, James Madison University; Zach J Bortolot, Dr., James Madison University, *Extracting a Digital Terrain Model from a Forested Site using LiDAR Data.*
- Sian Proctor*, South Mountain Community College; Jeannie Allen, SSAI at NASA Goddard Space Flight Center, *Land Use Change in South Phoenix: A Learning Unit Developed for iGETT.*
- Katherine Franke*, Kansas State University; J.M. Shawn Hutchinson, Dr., Kansas State University; Stacy L Hutchinson, Kansas State University, *Automated Extraction of Military Vehicle Tracks from Aerial Photography and Satellite Imagery at Fort Riley, Kansas.*
- Rich Curran*, East Carolina University; Yong Wang, Dr., East Carolina University, *North CarolinaView.*
- Bin Fang*, *Study of Land Surface Temperature Retrieval Based on Simulated HJ-1B Data.*
- Xiaopeng Song*, University of Maryland College Park; Min Feng, University of Maryland College Park; Chengquan Huang, University of Maryland College Park; John Townshend, University of Maryland College Park, *A comparison of coarse-resolution land cover products of North and South America for forest study.*
- Danxia Song*, Min Feng; Chengquan Huang; Saurabh Channan; John Townshend, *Use of declassified CORONA imagery and Landsat data to evaluate forest change in the 1960s.*
- Raghuram Narasimhan*, University of Maryland; Min Feng; Chengquan Huang; Saurabh Channan; Danxia Song; Guangxiao Zhang; John Townshend, *A Systematic Assessment of Land-cover Change in Bolivia using the Global Land Survey Data Sets.*
- Vivian R. Queija*, United States Geological Survey, *Lidar Analysis of Vegetation Changes for Post-fire Chaparral.*
- Rachel Cole*, University of North Alabama; Lisa D Keys Mathews, Ph. D., University of North Alabama, *Before and After: A Change Analysis of an Area Affected by the 2008 Sichuan Earthquake.*
- Patrick A. Danielson*, * - SGT, contractor to the USGS Earth Resources Observation and Science (EROS) Center, work performed under USGS contract 08HQC0005., *Comparison of NLCD 2001 and 2006 to identify 5 years of change in the Northern Rockies.*
- Haroon Stephen*, University of Nevada, Las Vegas; William J. Smith Jr., University of Nevada, Las Vegas, *Land Surface Changes in the Great Basin observed by Spaceborne Microwave Sensors.*
- Benjamin Thomas*, University of Cincinnati, *Locating Aguadas in Northern Guatemala Using Remote Sensing.*
- Jungho Im*, SUNY ESF; Zhenyu Lu, SUNY ESF; Lindi Quackenbush, SUNY ESF; Kerry Halligan, Sanborn Co., *Population Estimation Based on Residential Building Volume Using LiDAR Remote Sensing.*
- Mary LeeAnn King*, University of Maryland, College Park; Yuanjie Li, University of Maryland; Ralph Dubayah, Dr., University of Maryland; Guoqing Sun, Dr., NASA, *Lidar Waveform Validation Using a Radiative Transfer Model.*
- Jack Phelps*, Texas Tech University Student; Tina Delahunty, Texas Tech University, *Landcover Change Quantification in The Colony, Denton County, TX Between 1990 and 2001 Using Landsat and Fine Resolution Imagery.*
- Nicholas Perdue*, Clark University, *Looking for Lawns: How We Know What's In Your Yard.*
- Austin Stanforth*, IUPUI, *Relating socioeconomic variability to heat-related mortality during the 1995 extreme heat event in Chicago.*
- Yi-Chen Wang*, National University of Singapore; Tzu-Yin Chang, National University of Singapore, Singapore, *Terrain Correction for Increasing the Evapotranspiration Estimation Accuracy in a Mountainous Watershed.*
- Erin Streff*, UCLA, *Using remote sensing to categorize land use and analyze agricultural change in The Gambia, West Africa.*
- Virginia Gorsevski*, University of Maryland, College Park, *Impacts of Conflict on Land Cover/Land Use, Fire Dynamics, and Biodiversity Potential in the Imatong Mountains of Southern Sudan.*
- David Selkowitz*, United States Geological Survey, *Exploring the Multi-Angle Imaging SpectroRadiometer (MISR) for Fractional Forest and Shrub Cover Mapping Applications in Arctic and Sub-Arctic Alaska.*

3246. Aeolian Geomorphology II (Sponsored by Geomorphology Specialty Group, Coastal and Marine Specialty Group)

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Jean Taylor Ellis, University of South Carolina; Bailiang Li, Texas A&M University

CHAIR(S): Chris Houser, Texas A&M University

10:00 Deanna van Dijk*, Calvin College, *Short-Term Variability in Lake Michigan Foredune Evolution.*

10:20 Nancy L. Jackson*, New Jersey Institute of Technology; Karl F Nordstrom, Rutgers University; Kate Korotky, Rutgers University, *Aeolian sediment transport on the foredune of raked and unraked backshores.*

10:40 Jean Taylor Ellis*, University of South Carolina; Eugene Farrell, Texas A&M University; Douglas Sherman, Texas A&M University, *Horizontal Variability of Aeolian Sand Transport.*

11:00 Bailiang Li*, Texas A&M University; Douglas J Sherman, Texas A&M University, *Wind Influenced Raindrop Splash Sand Transport.*

FRIDAY, APRIL 16 • 10:00 AM - 11:40 AM • 3200**3247. Governmentality and the Production of Calculable Spaces II (Sponsored by Political Geography Specialty Group)**

- Room:** Lincoln Room 3, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Reuben S. Rose-Redwood, University of Victoria; Matthew G. Hannah, Aberystwyth University
 CHAIR(S): Reuben S. Rose-Redwood, University of Victoria
 Introducer: Reuben S. Rose-Redwood
10:05 Claire Elaine Rasmussen*, University of Delaware, *Domesticating Space: Breeding and the Creation of Calculable Human/Animal Spaces.*
10:24 Bree Kessler*, CUNY Graduate Center, *Extreme Makeover Home Edition: Spatial Governmentality, the Production of Extreme Homes and Reproduction of Ideal Citizens.*
10:43 Tony Sparks, PhD*, Sonoma State University, *On Being a 'Good Camper': Informal Governmentality and Citizenship in a Seattle Area Homeless Encampment.*
11:02 James Kneale*, Department of Geography, University College London; Shaun French, School of Geography, University of Nottingham, *'The Relations of Inebriety to Insurance': Actuarialism and the production of spaces of biosocial excess..*
11:21 Min Kyung Lee*, Northwestern University - Ecoles des Hautes Etudes en Sciences Sociales, *Governmentality in the cartographic historiography of post-Haussmann Paris.*

3248. Exploring the Geographies of Food I (Sponsored by Economic Geography Specialty Group, Qualitative Research Specialty Group, Rural Geography Specialty Group)

- Room:** Lincoln Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): John R. Grimes, Eastern Kentucky University; Kathryn Morrison, University of Victoria
 CHAIR(S): Garrett Graddy, University of Kentucky
10:00 Noëlle Boucquoy*, Duke University, *Community Supported Fisheries: practice, prospects, and challenges.*
10:20 Stephen Nepa*, Temple University, *The New Urban Dining Room: sidewalk cafes in postindustrial Philadelphia.*
10:40 Laura-Anne Minkoff-Zern*, UC Berkeley, Department of Geography, *Mexican Women's Contributions to California Agriculture: Agricultural Knowledge and Social Networks Across Borders.*

3249. RSSG/GISSG/CSG Student Competition (Sponsored by Remote Sensing Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)

- Room:** Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)
 ORGANIZER(S): Benjamin Tuttle, University of Denver/University of Colorado, Boulder; Paul Merani, University of Nebraska
 CHAIR(S): Benjamin Tuttle, University of Denver/University of Colorado, Boulder
10:00 Moumita DuttaGupta*, Salem State College, *Change Analysis of the top 10 percent of Global Photosynthesis as captured by the SPOT VEGETATION Sensor for the time period: 1998 to 2008..*
10:05 Samuel Blanchard*, Clark University; Robert Gilmore Pontius Jr., PhD, Clark University, *Implications of Using Fine Versus Coarse Spatial Resolution Data in Land-Use and Land-Cover Change Modeling.*
10:10 Thomas Hamill*, Clark University, *Cross-resolution analysis to prepare information of land cover for a hydrological model in the Plum Island Ecosystems study area in northeastern Massachusetts.*

- 10:15** Andrew Caiazzo*, Clark University; John Rogan, Clark University; Yelena Ogneva-Himmelberger, Clark University, *A new method for predating and postdating land-cover maps with Landsat and ASTER imagery using a Kauth Thomas Change Index.*

- 10:20** Won Kyung Kim*, Arizona State University, *Understanding Urban Open Spaces using a Green Index and Fuzzy Set Theory.*
10:25 Zachary Silverman*, Clark University, *Method to estimate land change using partially compatible maps.*
10:30 Yujia Zhang*, Clark University, *Analysis of trends in land category transitions for more than three points in time.*
10:35 Yao Yao*, Clark University, *Estimating land change in Massachusetts using maps that were created with different methods for 1999 and 2005.*
10:40 Jenner Alpern*, Clark University, *Facilitating the use of Non-Validated Maps in Analyzing Land-cover Changes.*
10:45 Lucas Kaim*, University of Denver, *Nighttime Satellite imagery as a proxy of Light Pollution.*
10:50 Johnathan Rush*, Department of Geography, The Ohio State University; Mei-Po Kwan, PhD, Department of Geography, The Ohio State University, *The Use of the Discretized Space-Time Cloud for Visualizing Human Activity Data.*
10:55 Trevor B Heburn, GISDE MA Student*, Clark University; Robert G Pontius, Ph.D, Clark University, *Analysis of land category transitions among three points in time..*
11:00 Scott B Brown*, Arizona State University; Elizabeth A. Wentz, Ph.D., Arizona State University, *Phase-Space Models of Area-Class Map Uncertainty and Issues of Scale.*
11:05 Zachary Schmitt, M.S. Candidate*, Northern Illinois University; Christopher Scott Smith, Northern Illinois University, *The Topographical Determinants of Intraurban Air Pollution Exposure: An Assessment of the Crawford and Fisk Coal-Fired Power Plants in Chicago, Illinois.*
11:10 Amanda Jolly*, Salem State, *The Geography of Commercial Power Production in the United States and Massachusetts.*

3251. CHANS - Coupled Human And Natural Systems in Mountain Environments and Protected Spaces (Sponsored by Mountain Geography Specialty Group)

- Room:** Washington Room 1, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): David L. McGinnis, Montana State University - Billings
 CHAIR(S): David L. McGinnis, Montana State University - Billings
 Panelists: David A. Bennett, University of Iowa; George P. Malanson, University of Iowa; Richard J. Aspinall, Macaulay Institute; David McWethy, Montana State University

3252. Author Meets Critics: Gerard Kearns "GeoPolitics and Empire: The Legacy of Halford Mackinder"

- Room:** Washington Room 2, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Lorraine Dowler, Penn State University; John A. Agnew, University of California - Los Angeles
 CHAIR(S): John A. Agnew, University of California - Los Angeles
 Panelists: Matthew G. Hannah, Aberystwyth University; Lorraine Dowler, Penn State University; Joanne P. Sharp, University of Glasgow; Peter J. Hugill, Texas A&M University; Gerry Kearns, Virginia Polytechnic & State University

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- 3253. Finance at crossroads and its geographies II: Financial centres (Sponsored by Economic Geography Specialty Group)**
Room: Washington Room 3, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Dariusz Wojcik, Oxford University Centre for the Environment; Gordon L. Clark, University of Oxford
CHAIR(S): Dariusz Wojcik, Oxford University Centre for the Environment
10:00 Dariusz Wojcik*, School of Geography and the Environment, Oxford University, *Comparing markets under pressure: New York, London, and Hong Kong 2008-9.*
10:20 Xiaobin Zhao*, University of Hong Kong, *Competitions of Global Financial Centres: Determinants and the Rise of Financial Centres in China and Hong Kong.*
10:40 Olivier Walther*, Centre for Population, Poverty and Public Policy Studies Luxembourg; Christian Schulz*, University of Luxembourg, *'They still think we are a tax paradise'. Financial Services Clustering in Luxembourg City.*
11:00 Yamina Tadjeddine*, University Paris West Nanterre; Gunther Capelle-Blancard, Cepii & Université Paris 1 Panthéon-Sorbonne. Centre d'Economie de la Sorbonne (CNRS), *The Location of Financial Activities: The Impact of New Technologies and the Financial Crisis.*
Discussant(s): Gordon L. Clark, University of Oxford
- 3254. The Geography of Cancer (Sponsored by Health and Medical Geography Specialty Group)**
Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): David Stinchcomb
CHAIR(S): David Stinchcomb
10:00 Jaymie Meliker, PhD*, Stony Brook University; Carolyn Gallagher, MPH, Stony Brook University; Geoffrey M Jacques, PhD, BioMedware, Inc., *Performance of Q-statistics for Investigating Cancer Clusters in Case-Control Residential Histories.*
10:20 Nancy Tian*, Texas State University; Pierre Goovaerts, BioMedware; F. Benjamin Zhan, Texas State University-San Marcos, *Influence of late stage presentation of female breast cancer on racial disparities in mortality.*
10:40 Neng Wan*, Texas State University; F. Benjamin Zhan, Texas State University-San Marcos, *Socioeconomic disparities in prostate cancer mortality and the impact of geographic scale.*
11:00 Kristen Wells, MPH*, University of Virginia; M. Norman Oliver, MD, MA, University of Virginia, *Residential pesticide exposure and prostate cancer incidence: a geographical correlation study.*
11:20 David Stinchcomb*, National Cancer Institute; In-Young Yeo, University of Maryland, *Impact of Residential Mobility on the Geographic Analysis of Cancer Surveillance Data.*
- 3255. Material Culture and Geography II (Sponsored by Cultural Geography Specialty Group)**
Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Sara Beth Keough, Saginaw Valley State University; H. Jason Combs, University of Nebraska At Kearney
CHAIR(S): H. Jason Combs, University of Nebraska At Kearney
10:00 Kara Roopsingh*, Department of Geography, The University of the West Indies; Rowena Butland, Department of Geography, The University of the West Indies, *Toute Bagai: Defining the Cultural Heritage of Trinidad and Tobago.*
10:20 Amanda Rees, Dr*, Columbus State University, *Bibb City, Collected Lives from a Mill Town: Interpreting a Community and a Cultural Landscape.*
- 10:40** Oona Morrow*, Clark University, *Craft as Critical Practice? Making Things Matter.*
11:00 Michelle Marie Metro-Roland*, Western Michigan University, *Goulash Memories: the Gastro-cultural Identity of a Nation.*
- 3256. Standing Out In The Crowd: Competing in the dynamic marketplace of cultural products II (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Blue Room, Omni Shoreham (Paper Session)
ORGANIZER(S): Doreen Jakob, Center for Metropolitan Studies Berlin / UNC Chapel Hill; Brian Hraes, University of Toronto
CHAIR(S): Atle Hauge, Eastern Norway Research Institute
10:00 Doreen Jakob*, Center for Metropolitan Studies Berlin / UNC Chapel Hill; Atle Hauge, Eastern Norway Research Institute, *Standing out in the Crowd: Competing in the dynamic marketplace for cultural products I.*
10:20 Brian J Hraes*, University of Toronto; Atle Hauge, Dr., Eastern Norway Research Institute, *Standing Out In The Crowd: Competing in the dynamic marketplace for cultural products II.*
10:40 Jessica R. Barnes, M.A.*, The Ohio State University, *Get me to the next show: Music performance as a competitive strategy for cultural producers.*
11:00 Nicole Simms*, University of Minnesota, *Competing with the Counterfeit: Fashion houses, luxury branding, and the struggle to maintain symbolic value.*
- 3260. Spatial Analysis II: Population Dynamics**
Room: Chairman, Omni Shoreham (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Tun Lin Moe, Arizona State University
10:00 Matt Adams*, Institute for Children and Poverty, *Spatial Patterns of Family Homelessness in the United States.*
10:20 Harini Sridharan*, University of Texas at Dallas; Fang Qiu, University of Texas at Dallas, *Population Estimation from an additional third dimensional perspective.*
10:40 Tun Lin Moe*, Arizona State University, *Geography of Unemployment in US: Do space and time really matter?.*
11:00 Wook Lee*, Edinboro University of PA, *Population change and commuting efficiency in a small metropolitan area.*
- 3263. Spatial Data Mining and Exploratory Data Analysis (1) (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: Council, Omni Shoreham (Paper Session)
ORGANIZER(S): Diansheng Guo, University of South Carolina; Harvey J. Miller, University of Utah
CHAIR(S): Diansheng Guo, University of South Carolina
10:00 André Skupin*, San Diego State University; Aude Esperbé, *An Alternative Map of the United States Based on an n-Dimensional Model of Geographic Features.*
10:20 Daniel Getman*, Oak Ridge National Laboratory; Budhendra Bhaduri, Oak Ridge National Laboratory; Aaron Myers, Oak Ridge National Laboratory, *Building the Bioenergy Knowledge Discovery Framework: Using Open Source Tools to Support Collaboration, Data Management, Analysis, and Visualization in Bioenergy Infrastructure Research.*

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10:40 Changjoo Kim*, University of Cincinnati; Yongwan Chun, University of Texas at Dallas; Hyun Kim, University of South Florida; Sunhee Sang, University of Cincinnati, *Network autocorrelation in modeling commodity flows of the U.S.*

11:00 Caglar Koylu*, *Using Centrality Measures to Discover Structural Characteristics of Migration Data.*

11:20 Sarah Williams*, Columbia University, *Wrangling Spatial Data Traces : Unique Uses in Urban Analysis.*

3264. Health and Vulnerable Populations: Mental Illness, Unemployment, Mobility

Room: *Diplomat, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Diane Olga Kammegne

10:00 Alan M Delmerico*, Center for Health and Social Research, Buffalo State College; William F Wiczorek, Center for Health and Social Research, Buffalo State College; Jie Zhang, Department of Sociology, Buffalo State College, *Differences in Access to Primary Medical Care Among a Sample of Suicide Cases and Population Controls in Rural China.*

10:20 Tom Clemens*, University of St Andrews, *Unemployment and Mortality in Scotland: Towards a Causal Explanation.*

10:40 Minh Kim*, Centers for Disease Control and Prevention (CDC); James B. Holt, Centers for Disease Control and Prevention (CDC), *Rapid assessment of humanitarian emergencies using remote sensing methods: pansharpening issue for refugee camp monitoring.*

11:00 Diane Olga Kammegne, AAS Applied Geography*, *Psychological consequences of refugee displacement.*

3265. The iGETT Project: An Integrated Approach to Geospatial Technology Instruction (Sponsored by Community College Affinity Group)

Room: *Director's, Omni Shoreham* (Paper Session)

ORGANIZER(S): Osa E. Brand, National Council for Geographic Education

CHAIR(S): Osa E. Brand, National Council for Geographic Education

Introducer: Osa E. Brand

10:10 Trent Morrell*, Laramie County Community College, *Practical Applications in Geospatial Technology Training: Learning Units Designed for Classroom Implementation.*

10:28 Reed M. Perkins, Ph. D.*, Queens University of Charlotte, *Changing Spatial Scales: Using Remote Sensing to Promote Local Learning and Critical Thinking in an Introductory Class.*

10:46 Kerry Lyste*, Everett Community College, *"Incorporating Remote Sensing in Education - A Learning Unit Comparing Impervious Surfaces in Marysville, Washington: 1975-2002".*

11:04 Angela Milakovic*, Bismarck State College, *Students Can Make a Cultural Geospatial Connection the iGETT Way.*

11:22 Vicki Drake*, Santa Monica College, *Mapping Burn Severity, Post-Fire Vegetation Loss, and Mass Wasting Potential Using Multi-Temporal Landsat Imagery and GIS.*

3266. Interlinking Nodes of Hazard Research: Centers of Hazard Knowledge Creation and Dissemination (Sponsored by Hazards Specialty Group)

Room: *Embassy, Omni Shoreham* (Paper Session)

ORGANIZER(S): Laura Siebeneck, University of Utah Department of Geography; Gabriel Burns, Texas A&M University

CHAIR(S): Gabriel Burns, Texas A&M University

10:00 Christopher G. Burton*, University of South Carolina, *Community Resilience Indicators for Natural Disasters: Development, Uncertainty Measurement, and Use.*

10:20 Eric C Tate*, University of South Carolina, *Indices of Social Vulnerability to Hazards: Model Uncertainty and Sensitivity.*

10:40 Laura K Siebeneck*, University of Utah; Thomas J Cova, University of Utah, *Challenges Getting Back: Risk Communication Issues Following Disaster Events.*

11:00 Gabriel R Burns*, Texas A&M University, *Reviewing the Discourse of Disaster Resilience: A Study of Media Usage in Hurricane Events.*

3267. The Geography of Economic Evolution 2 (Sponsored by Economic Geography Specialty Group)

Room: *Empire, Omni Shoreham* (Paper Session)

ORGANIZER(S): Ronald V. Kalafsky, University of Tennessee; Murray Rice, University of North Texas

CHAIR(S): Ronald V. Kalafsky, University of Tennessee

10:00 Zachary Neal, PhD*, Michigan State University, *From Central Places to Network Bases: A Transition in the US Urban Hierarchy, 1900 - 2000.*

10:20 Jun Zhang*, National University of Singapore; Eric S Sheppard, Professor, University of Minnesota, *Politicizing Evolutionary Economic Geography.*

10:40 Frank Neffke, Erasmus University Rotterdam; Martin Henning, Lund University; Ron Boschma*, Utrecht University, *How do regions diversify over time?.*

11:00 Danny MacKinnon*, University of Glasgow; Andrew Cumbers, University of Glasgow; Andy Pike, Newcastle University, *Adaptation Pathways in Old Industrial Regions in Western Europe.*

Discussant(s): Erik Stam, Utrecht University

3270. Mega-events in Rio de Janeiro: Roundtable discussion (Sponsored by Recreation, Tourism, and Sport Specialty Group, Urban Geography Specialty Group, Latin America Specialty Group)

Room: *Hampton, Omni Shoreham* (Panel Session)

ORGANIZER(S): Christopher Gaffney

CHAIR(S): Christopher Gaffney

Panelists: Alberto Oliveira; Christopher Gaffney; Nelma Oliveira; James P. Freeman, Concordia University; Glaucio Bienenstein, Universidade Federal Fluminense; Anne-Marie Broudehoux, University of Quebec at Montreal

3271. Tourism

Room: *Palladian, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Susan Dupej, York University

10:00 Eunice Eunjung Yoo*, The Pennsylvania State University; Christine N. Buzinde, The Pennsylvania State University, *Interpretations of Tourism Representations: The Case of Televised Travelogues.*

10:20 Caroline Scarles, Dr*, University of Surrey, *Managing and Regulating Tourist Photography.*

10:40 Kyunghee Lee, Ph.D student*, Laboratory for Intelligent Systems in Tourism, Texas A&M University; Urike Gretzel, Assistant professor, Laboratory for Intelligent Systems in Tourism, Texas A&M University, *Digital Divides in Online Travel Planning.*

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11:00 Pimrawee Rocharungsat*, Asst.Prof., 'Phetchaburi'
Destination Analysis For Routing Food Tourism.

11:20 Susan Dupej*, York University, *Dressing up for Halloween? Farm Tourism and Changing Materialities of Rural Landscapes.*

3272. Sustainable Transport: Current Research and New Challenges (Session II) (Sponsored by Transportation Geography Specialty Group)

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Selima Sultana, University of North Carolina-Greensboro; David H. Kaplan, Kent State University
CHAIR(S): Selima Sultana, University of North Carolina-Greensboro

10:00 Edmund J. Zolnik*, George Mason University; Huaqun Li, George Mason University; Cary Cox, George Mason University; Nancy Perry, George Mason University; Ranjay Shrestha, George Mason University; Junyang Yuan, George Mason University; Xin Zhou, George Mason University, *Maximizing the Carbon Dioxide Emission Reductions of a Nationwide Vehicle Scrappage Program in the US.*

10:20 Matthew Talbott*, UNCG; Selima Sultana, University of North Carolina-Greensboro, *Bus Stop Amenities and their Effects on Ridership.*

10:40 Denver V Nixon, Doctoral Candidate*, University of Western Ontario, *A Sense of Momentum: Transportation Practices and Kinesthetic/Behavioural Energy Conservation.*

11:00 David H. Kaplan*, Kent State University, *Getting Around Town in a Sustainable Way: Facilities, Attitudes, and Behaviors.*

3273. Cyberinfrastructure Specialty Group Student Paper Competition (Sponsored by Cyberinfrastructure Specialty Group)

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Dawn J. Wright, Oregon State University; Michael P. Finn, United States Geological Survey
CHAIR(S): Dawn J. Wright, Oregon State University
Introducer: Dawn J. Wright

10:05 Wei Chen*, Ohio State University, *Participatory Decision Making through Web-based GIS: An Example for Political Redistricting.*

10:25 Qunying Huang*, MS; Chaowei Yang, George Mason Univ; Huaiyi Wu, George Mason Univ; Jibo Xie; Jing Li; Zhenglong Li, George Mason Univ; Min Sun, *Cloud Computing for Earth Science - Parallelize and schedule spatial computing for WRF-NMM model.*

10:45 Upendra Dadi*, CSISS, GMU; Liping Di, CSISS, GMU, *Adapting Desktop GIS Software for Geospatial Web Services: Issues of Modularity, Scalability and Interoperability.*

Discussant(s): Michael P. Finn, United States Geological Survey

3274. Urban Land Use and Planning

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rama Mohapatra

10:00 Judd Schechtman, JD, MUP*, Rutgers University - Bloustein School of Planning, *Not Just Hot Air: The Potential for Environmental Impact Analysis to Drive Land Use Planning for Climate Change.*

10:20 Peter R Claggett, M.A., M.En.*, United States Geological Survey; David I Donato, Ph.D., United States Geological Survey; Frederick M Irani, M.S., United States Geological Survey, *Scale Considerations for Regional Land Change Model Parameterization.*

10:40 George A. Madrid*, University of Texas, Dallas, *Contextual Classification of Urban Land Use with the Combination of Remote Sensing Bio-physical Indices and Socio-Economic Variables.*

11:00 Jinfeng Du*, Peking University, *Highway construction and its influence on neighboring land use: a case study of Beijing, China.*

11:20 Rama Mohapatra*, University of Wisconsin Milwaukee; Changshan Wu, Dr., University of Wisconsin Milwaukee, *Understanding and Modeling Urban Growth: An Econometric Approach.*

3276. Remote Sensing of Water Resources

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Daniel J. Weiss, Yellowstone Ecological Research Center

10:00 Lin Li*, Indiana University-Purdue University at Indianapolis; Linhai Li, Indiana University-Purdue University at Indianapolis; Lenore P. Tedesco, Indiana University-Purdue University at Indianapolis; Rober E. Hall, Indiana University-Purdue University at Indianapolis, *Variations in the specific absorption coefficients for chlorophyll and phycocyanin of central Indiana drinking water reservoirs.*

10:20 Sadiq Khan*, University of Oklahoma; Yang Hong, School of Civil Engineering and Environmental Sciences, University of Oklahoma, Norman, OK, *Satellite remote sensing and environmental monitoring network based actual evapotranspiration estimation..*

10:40 Taehee Hwang*, University of North Carolina at Chapel Hill; Conghe Song, University of North Carolina at Chapel Hill; Larry Band, University of North Carolina at Chapel Hill, *A catchment-scale simulation of a distributed hydrological model with assimilating global satellite products by downscaling techniques.*

11:00 Kibrewossen Tesfagiorgis, Graduate Student*, NOAA-CREST; Shayesteh Mahani, Ph.D, NOAA-CREST; Reza Khanbilvardi, Ph.D, NOAA-CREST; David Kitzmiller, Ph.D, NOAA-NWS, *Multi-sources Precipitation Estimates.*

11:20 Daniel J. Weiss*, Yellowstone Ecological Research Center; Robert L. Crabtree, Yellowstone Ecological Research Center, *Assessing Surface Water Dynamics in Yukon Flats National Wildlife Refuge Using MODIS Imagery.*

3277. Health Policy and Society: Discourse, Knowledge, Praxis, and Perception

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Susan Elliott

10:00 Patricia E. Polo*, Universidad Catolica Ecuador / Universidad Andina Simon Bolivar, *What is that named rural health?.*

10:20 Sethunya R. Simela*, Queens University, *Using the concept of indigeneity in understanding Basarwa's access to health care in Botswana.*

10:40 Jennifer Asanin Dean*, McMaster University; Susan J Elliott, McMaster University, *(De)Constructing obesogenic environments: The role of policy discourse in two Canadian cities.*

11:00 Simon Mariwah*, University of Cape Coast, Ghana, *The soul is willing but the body is weak: Exploring community sanitation preferences for ?sustainability ?.*

11:20 Susan Elliott*, Geography and Earth Sciences, McMaster University, *Risk, Vulnerability, Resilience: Understanding through a hydrosocial lens.*

FRIDAY, APRIL 16 • 10:00 AM - 11:40 AM • 3200**3278. Land Use, Remote Sensing, and Modeling**

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shai Kaplan, ASU

10:00 Magali Bonne-Moreau*, University College London, *Land-cover and land-use change in the refugee-hosting areas of Kasulu District, Tanzania.*

10:20 Emily S Weeks, MSc, BSc(Honors)*, The University of Waikato, *Land Use Change In New Zealand's Tussock Grasslands.*

10:40 Jun Luo*, Missouri State University, *Exploring Pattern and Driving Factors of Urban Growth in Missouri with GIS and Remote Sensing.*

11:00 Douglas Fuller*, University of Miami, *Land Change and Emissions Modeling in Central Kalimantan, Indonesia.*

11:20 Shai Kaplan*, ASU; Lea Orlovsky, Dr., Ben-Gurion university of the Negev, Israel; Dan G. Blumberg, Prof., Ben-Gurion university of the Negev, Israel; Elmar Mamedov, National Institute of the Deserts, Flora and Fauna, Ministry of Nature Protection, Ashgabat, Turkmenistan, *Monitoring natural desert pastures in Turkmenistan using remote sensing.*

3279. Health Care Systems and Access in Latin America and the US

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shinji Shimoura

10:00 Alex Alarcon*, Universidad De Chile, *Consequences of the functional division of the Chilean public health system.*

10:20 Jonathan B Baker, Ph.D.*, West Chester University, *Examining equity in physical access to a primary health care facility in rural Honduras.*

10:40 Nicole Vanosdel, BS, MA*, University of Nebraska Medical Center; Michael Shambaugh-Miller, PhD, University of Nebraska Medical Center, *Identifying Populations With No Access to a Community Pharmacy or Whose Community Pharmacy is Vulnerable to Changes in Medicare Part D Policy.*

11:00 Shinji Shimoura*, *A Geographic Analysis of Primary Health Care.*

FRIDAY, APRIL 16 • 11:50 AM - 12:30 PM • 3300**3317. China Specialty Group Business Meeting (Sponsored by China Specialty Group)**

Room: Park Tower 8219, Marriott, Lobby Level (Meeting Session)

3321. Climate Specialty Group Business Meeting (Sponsored by Climate Specialty Group)

Room: Virginia Suite B, Marriott, Lobby Level (Meeting Session)

3322. Historical Geography Specialty Group Business Meeting (Sponsored by Historical Geography Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Meeting Session)

3323. Human Dimensions of Global Change Specialty Group Business Meeting (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Meeting Session)

3324. Applied Geography Specialty Group Business Meeting (Sponsored by Applied Geography Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Meeting Session)

3329. Ethics, Justice, and Human Rights Specialty Group Business Meeting (Sponsored by Ethics, Justice, and Human Rights Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Meeting Session)

3330. Remote Sensing Specialty Group Business Meeting (Sponsored by Remote Sensing Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Meeting Session)

3331. Sexuality and Space Specialty Group Business Meeting (Sponsored by Sexuality and Space Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Meeting Session)

3333. Geographic Perspectives on Women Specialty Group Business Meeting (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: McKinley, Marriott, Mezzanine Level (Meeting Session)

3336. Progress in Human Geography Lecture: Trade, Globalization and the Question of Development

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Victoria A. Lawson, University of Washington

CHAIR(S): Victoria A. Lawson, University of Washington

11:50 Eric S. Sheppard*, University of Minnesota - Minneapolis, *Trade, globalization and the question of development.*

3343. Population Specialty Group Business Meeting (Sponsored by Population Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Meeting Session)

3351. Africa Specialty Group Business Meeting (Sponsored by Africa Specialty Group)

Room: Washington Room I, Marriott, Exhibition Level (Meeting Session)

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3402. Critical Geopolitical Perspectives on the Polar Regions I: Mapping Sovereignities (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Philip E. Steinberg, Florida State University; Klaus Dodds, Royal Holloway, University of London

CHAIR(S): Philip E. Steinberg, Florida State University

12:40 Mauro J. Caraccioli*, Doctoral Student, *Bridging Scales in the Geopolitics of Knowledge: Arctic Sovereignities and the Case for Epistemic Displacement.*

1:00 Hannes Gerhardt, Dr. *, University of West Georgia, *Competing Arctic Governmentalities and the Future of Greenland.*

1:20 Jeppe Strandsbjerg*, Copenhagen Business School, *Mapping the Arctic; an unlikely empire and territorial claims.*

1:40 Klaus J Dodds, Professor*, Royal Holloway, University of London, *Frontier Vigilantism? Australia and contemporary geopolitical representations of Australian Antarctic Territory.*

2:00 Jeremy Tasch*, Towson University, *The Permanence of Titanium: Russia's Arctic Territorial Claims.*

3403. The Geopolitics of EU power, European space and Europeanization (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Veit Bachmann, Goethe-University Frankfurt

CHAIR(S): Jason Dittmer, University College London

Discussant(s): Vladimir Kolossov, Russian Academy of Sciences

Panelists: Veit Bachmann, Goethe-University Frankfurt; Elena Dell'Agnese, Università Di Milano-Bicocca; Martin Müller, Virginie Mamadouh, University of Amsterdam; Corey Johnson, University of North Carolina - Greensboro

3404. Gender, Feminisms, and Violence I (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group)

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Kate Coddington Senner, Syracuse University; Destiny Aman

CHAIR(S): Kate Coddington Senner, Syracuse University

12:40 Moriah McSharry McGrath, MPH, MSUP*, School of Urban Studies and Planning, Portland State University, *Girls! Girls! Girls! next door: Neighborhood responses to strip clubs in Portland, Oregon.*

1:00 Mary Ngo, MA graduate student*, California State University, Long Beach, *Loss of Sacred Spaces: The Winnemem Wintu struggle against a cultural genocide by California water demands.*

1:20 Alec Brownlow*, DePaul University, *(Under)Policing Rape in Urban America: A Spatial Analysis.*

1:40 Patricia M. Martin*, Université de Montréal, *The geographies of violence as 'act' and as 'process': placing femicide in Oaxaca and Ciudad Juarez in comparative perspective.*

Discussant(s): Melissa W. Wright, Penn State University

3405. Environmental History and Geoarchaeology I: Papers in Honor of Karl Butzer's 50 years in Academia (Sponsored by Cultural and Political Ecology Specialty Group, Geomorphology Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Robert Dull, University of Texas at Austin; Timothy Beach, Georgetown University

CHAIR(S): Carlos E. Cordova, Oklahoma State University

12:40 Carlos E. Cordova, Associate Professor*, Oklahoma State University; Jess C. Porter, Assistant Professor, University of Arkansas at Little Rock, *Is there geomorphological evidence for the Dust Bowl event? A contribution to the geoarchaeology of short-term environmental crises and societal disruptions.*

1:00 Paul H. Lehman*, University of Texas, *Applied geomorphology in the piedmont of the Crimean Mountains, Ukraine..*

1:20 Charles Frederick*, *Understanding the Gisement: Macrostratigraphy and the manifestation of multicomponent archaeological sites in alluvial environments.*

Introducer: Arlene Rosen

Discussant(s): Gregory W. Knapp, University of Texas - Austin; William E. Doolittle, University of Texas

3407. Paul Krugman, Nobel Prize Recipient in Economics The New Geography, Now Middle Aged

Friday, April 16, 12:40 p.m. - 2:20 p.m.

Room: Marriott Ballroom Salon 2 and 3, Lobby Level

Organized by: Sally Hardy, Regional Studies Association

Introduction: Ron Boschma, Utrecht University; David Bailey, Coventry University, UK

Speaker: **Paul Krugman**, Princeton University, Woodrow Wilson School of Public and International Affairs

Discussant: Michael Storper, London School of Economics

Paul Krugman, recipient of a Nobel Prize in 2008 for groundbreaking work in economic geography and international trade, will present the Regional Studies Association Annual Lecture, "The New Geography, Now Middle Aged." Krugman, the AAG's 2009 Honorary Geographer, is professor of economics in the Woodrow Wilson School of Public and International Affairs at Princeton University and a well-known public commentator on economics and politics.

3408. "New Wars"? II: The Dynamics of Counterinsurgency (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Oliver Christian Belcher, University of British Columbia; Derek Gregory, University of British Columbia at Vancouver

CHAIR(S): Oliver Christian Belcher, University of British Columbia

12:40 Simon Dalby*, Carleton University, *"Placing Conflict: Allies in the 'Global' War on Terror".*

1:00 Oliver Christian Belcher*, University of British Columbia, *The "Deus ex Clinica" of Counterinsurgency: Psy-ops, and the Psychologization of the Population and the Insurgent.*

1:20 Daniel Bertrand Monk*, Colgate University, *New 'Battlespaces' and Old Romanticisms in Contemporary Military Doctrine: The Case of the 'Ecological Insurgent'.*

1:40 Derek Gregory*, University of British Columbia at Vancouver, *Predatory Wars.*

2:00 Emily Gilbert*, University of Toronto, *The financialization of the battle field: cash, compensation, and contemporary conflict.*

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3409. Geographies of State Bureaucracy (Sponsored by Political Geography Specialty Group)

- Room:** Maryland Suite B, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Fiona McConnell; Alex Jeffrey, Newcastle University
CHAIR(S): Alex Jeffrey, Newcastle University
12:40 Merje Kuus*, University of British Columbia, *Geopolitics in a transnational bureaucracy: the case of EUrope*.
12:55 Jamey Essex*, University of Windsor, *Neoliberalization and the geographies of state bureaucratic labor: thematic and methodological issues*.
1:10 Kevin Gould*, Concordia University, *Land market policy and the production of the everyday state in Guatemala*.
1:25 Deepta Chopra*, University of Cambridge, *Researching Policy in India: Power, Positionality and a 'right' to information*.
1:40 Fiona McConnell*, Queen Mary University of London, *Geographies of an Unrecognised Bureaucracy: The Negotiation of Exile Tibetan Identities through Identity Papers and Documentation Regimes*.

3410. Environmental Science, policy and politics: exploring the links 1 (Sponsored by Socialist and Critical Geography Specialty Group)

- Room:** Maryland Suite C, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Sebastien Nobert, King's College London; David Demeritt, King's College London
CHAIR(S): Sebastien Nobert, King's College London
12:40 Kevin W. Archer, Ph.D.*, University of South Florida, *Incommensurable Discourses?: The Politics of Science in the Reconstruction of South Florida's Socio-Ecological System*.
1:00 Martin Walter*, Northwestern University - Institut d'Etudes Politiques (Paris), *Knowledge in Context for Environmental Governance: Transboundary Groundwater Management in Latin America, North America and Europe*.
1:20 Heather Smith*, University of Aberdeen; Kirsty Blackstock, Macaulay Land Use Research Institute; Gill Wall, University of Aberdeen, *Facilitating Integration: River Basin Management meets Land Use Planning in Scotland*.
1:40 Jean Philippe Venot*, International Water Management Institute (IWMI-Ghana), *Multiple-use Services and Disputed Claims: Environmental Politics of Small Reservoirs in sub-Saharan Africa*.
Discussant(s): Jamie Linton, Queens University

3411. The Applied Geography Specialty Group student paper competition (Sponsored by Applied Geography Specialty Group)

- Room:** Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)
ORGANIZER(S): Dawna L. Cerney, Youngstown State University; Nairne Cameron, Algoma University
CHAIR(S): Dawna L. Cerney, Youngstown State University
12:40 Stephanie Day*, University of Kansas, *The Decline of the Greasy Spoon: Implications of Truck Drivers' Spatial Perceptions and Preferences for the Truck-Stop Industry*.
12:50 Jinwoong Yoo*, Louisiana State University; DeWitt D. Braud, Louisiana State University; Robert V. Rohli, Louisiana State University, *Visualizing Null Value Locations from LIDAR Image Mosaics*.
1:00 Clio Andris*, MIT; Dietmar Offenhuber, MIT; David Lee, MIT, *Trash Track*.
1:10 Emily Pabst*, University of Kansas, *Locally Crafted and Produced: Placemaking within a Marketing Strategy*.

1:20 Nicholas Cuba*, Clark University, *Spatial Analysis of Resettled Refugee Populations in Worcester, MA*.

1:30 Anna Klimaszewski-Patterson*, New Mexico State University, *Geography and Geographic education with smartphones*.

3412. Conceptualising and Measuring Segregation: Spatial Scale, Population Structure and Population Dynamics: III (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)

- Room:** Park Tower 8206, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Chris Lloyd, Queen's University, Belfast; Ian Shuttleworth
CHAIR(S): Ian Shuttleworth
12:40 Ian Shuttleworth*, QUB; Myles Gould, University of Leeds; Paul Barr, QUB, *Modelling Migratory Moves in Northern Ireland using the Northern Ireland Longitudinal Study (NILS)*.
1:00 Paul J Barr*, Queens University of Belfast; Myles I. Gould, University of Leeds; Ian Shuttleworth, Queens University Belfast, *Post-2001 Geographies of Internal Migration and Segregation in Northern Ireland: Insights from the Northern Ireland Longitudinal Study*.
1:20 Antonio Paez*, McMaster University; Manuel Ruiz, Universidad Politecnica de Cartagena; Fernando Lopez, Universidad Politecnica de Cartagena; John Logan, Brown University, *Yankees, Irish, and Germans: An Exploratory Analysis of Co-Location Patterns in 1880 Newark*.
1:40 Madhuri Sharma*, University of Tennessee, Knoxville; Lawrence A. Brown, The Ohio State University, *Racial/Ethnic Intermixing in Intra-Urban Space: Columbus Ohio and Milwaukee Wisconsin*.
Discussant(s): Ron Johnston, University of Bristol

3413. Therapeutic Places: Scale, Meaning and Diversity (Sponsored by Health and Medical Geography Specialty Group)

- Room:** Park Tower 8209, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Ranjana Chakrabarti, University of Illinois-Urbana Champaign
CHAIR(S): Ranjana Chakrabarti, University of Illinois-Urbana Champaign
12:40 Ranjana Chakrabarti*, University of Illinois-Urbana Champaign, *Everyday places and pregnancy care: Bengali immigrant women in New York City*.
1:00 Sarah Curtis, PhD*, University of Durham, *St Cuthbert, Durham Cathedral and the complex interactions between biography, history, place and wellbeing*.
1:20 Sumanth G. Reddy*, Coppin State University, *Linking the Concepts of Therapeutic Landscape, Health Care Bypassing, and Medical Tourism*.
1:40 Collette Sosnowy*, Graduate Center of the City University of New York, *Emotional Affordances: Extending Gibson's theory to incorporate emotion*.
Discussant(s): Sara McLafferty, University of Illinois

3414. Census Geography: New Developments and New Challenges (Sponsored by Applied Geography Specialty Group)

- Room:** Park Tower 8210, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census
CHAIR(S): Michael Clements, U.S. Bureau Of the Census
12:40 Michael J Clements*, U.S. Bureau Of the Census, *Urban Growth Areas: Pilot Program for the 2010 Census*.
1:00 Monica Smith*, Census Bureau, *State Certification Program for 2010 Boundary and Annexation Survey*.
1:20 Diane Snediker*, U.S. Bureau Of the Census, *Challenges to Collecting Boundary Updates in a Digital Environment*.
1:40 Randy Fusaro*, U.S. Bureau Of the Census, *Getting ANSI with FIPS codes*.

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- 3415. Re-exploring the North IV: Political Ecology in the Far North (Sponsored by Cultural and Political Ecology Specialty Group, Climate Specialty Group, Russian, Central Eurasian, and East European Specialty Group)**
Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Kolson Schlosser, Clarkson University
 CHAIR(S): Kolson Schlosser, Clarkson University
12:40 Michael K. Steinberg*, University of Alabama, *Reading the Present-Day Icelandic Cultural Ecological Landscape: Cooperation, Conflicts, and Contradictions.*
1:00 Jessica K. Graybill*, Colgate University, *Climate change, hydrocarbons and salmon: narratives of vulnerability around the Sea of Okhotsk.*
1:20 Trude Rauken*, CICERO - Center for International Climate and Environmental Research Oslo; Ilan Kelman, PhD, CICERO - Center for International Climate and Environmental Research Oslo, *The Svalbard Response to a Changing Reality.*
1:40 Tobias Holzlehner*, University of Alaska Fairbanks, *The Geography of Resilience: Strategies of survival after industrial and infrastructural collapse in Chukotka, Russia.*
 Discussant(s): Andrea Nightingale, University of Edinburgh
- 3416. Public-private interactions and the production of suburban residential morphologies (Sponsored by Urban Geography Specialty Group)**
Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Renaud Le Goix, University Paris 1; Delphine Callen, University Paris 1
 CHAIR(S): Setha Low
12:40 Renaud Le Goix*, University Paris 1, *'Burbs and master planned communities: socio-economic contexts and morphologies of privatism on the urban edge..*
1:00 Andrew Whittemore, PhD Candidate*, University of California, Los Angeles, *The Building of Westchester, California.*
1:20 Delphine Callen*, University Paris 1, *The production of suburban residential developments in the urban region of Paris : international vs. local production strategies.*
1:40 Samer Bagaeen*, University of Brighton, *Urban gating: recoding the shifting meaning of gated settlements.*
 Discussant(s): Setha Low
- 3417. Toward a Geographically Informed Foreign Policy for the United States: Reconnecting Geographers and Policy Makers (I) (Sponsored by American Geographical Society, U. S. Department of State, Office of The Geographer and Global Issues)**
Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Jerry Dobson, Department of State; Mary Lynne Bird, American Geographical Society
 CHAIR(S): Marie D. Price, George Washington University
12:40 Wesley J. Reisser*, U.S. Department of State, UCLA, GWU, *Geographers and Foreign Policymaking, An Historical Overview.*
1:00 Dona J. Stewart*, Georgia State University, *Beyond the 'War on Terror': Geography and US National Security.*
1:20 Lee R. Schwartz, The Geographer*, U.S. Department of State, *Geographic Information in Support of Foreign Policy: Role of the Office of the Geographer at the State Department.*
1:40 Rita Gardner*, Royal Geographical Society (with IBG), *Geography, Policy and Influence.*
2:00 Andrew Natsios*, Georgetown University, *Geographic Input to the Decision-making Process for Foreign Aid.*
- 3418. The changing face of contemporary geography in India (Sponsored by Regional Development and Planning Specialty Group, Asian Geography Specialty Group)**
Room: Park Tower 8222, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Chandana Mitra, University of Georgia; Vandana Wadhwa, Boston University
 CHAIR(S): Kavita Pandit, University of Georgia
 Panelists: Aniruddha Banerjee, Prevention Research Center; Niyogi Dev, Purdue University; Elizabeth Chacko, The George Washington University; Waquar Ahmed, Mount Holyoke College; Satish Kumar
- 3419. Fieldwork in an African Setting I (Sponsored by Development Geographies Specialty Group, Africa Specialty Group, Qualitative Research Specialty Group)**
Room: Thomas Paine, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Ryan Zachary Good, University of Florida; Caroline Faria, Dartmouth College
 CHAIR(S): Ryan Zachary Good, University of Florida
 Panelists: Jim Murphy, Clark University; Tometi Koku Gbedema, UC Davis; Léonie Newhouse, University of Washington; Edward R Carr, University of South Carolina; Angela M. Gray, University of Wisconsin Oshkosh; Jenny Appelblad, Stockholm University
- 3420. Climate Adaptation, Landscapes, and Institutions (CALI) VI (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Maria Carmen Lemos
 CHAIR(S): Maria Carmen Lemos
12:40 Tim Forsyth*, London School of Economics and Political Science, *The Boundary Politics of Adaptation Science.*
12:55 Thomas J. Bassett*, University of Illinois, *Fulße livestock raising in northern Côte d'Ivoire: Lessons for adaptation to climate change research.*
1:10 Stephan Christoph Rist, ID 90047614*, Centre for Development and Environment (CDE), Institute of Geography, University of Berne, Switzerland, *From climate change to a climate of changing perceptions - recovering the ethical dimension of climate change through dialogue between ontological communities.*
1:25 Daniel C. Miller*, University of Michigan, *Social Impacts of Conservation on Adaptive Capacity in the Face of Climate Change: Evidence from West Africa.*
 Discussant(s): Bhaskar Vira, University of Cambridge
- 3421. Climate Literacy 1 (Sponsored by Climate Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Geography Education Specialty Group)**
Room: Virginia Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Dan Bedford, Weber State University
 CHAIR(S): Dan Bedford, Weber State University
12:40 Dan Bedford*, Weber State University, *Student Opinions On Global Warming.*
1:00 Stacy Rebich Hespanha*, University of California, Santa Barbara, *Themes and Emotional Tone of News Reports about Global Climate Change in the United States, 1970s to present.*
1:20 John Harrington*, Kansas State University, *Growth in Awareness and Ways of Knowing: Two Important Constraints on Advancing Climate Literacy.*
1:40 Kathleen Schwille*, National Geographic Education; Lindsey Mohan, PhD, National Geographic Education, *Teacher Professional Development Activities in Climate Change.*
2:00 Brenton M. Yarnal*, Pennsylvania State University, *Local Climate Action Planning through Public Scholarship.*

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3422. Embodied, emotional and affective geographies of participation 1 (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Rachel Pain, University of Durham; Mike Kesby

CHAIR(S): Caitlin Cahill, University of Utah

12:40 Rachel Pain*, University of Durham; Mike Kesby*, University of St Andrews, *Emotional and Affective Geographies of Participation*.

1:00 Paul Routledge*, University of Glasgow, *Affecting Politics: the ethical spectacle of the war on error*.

1:20 Allison Hayes-Conroy*, Bryn Mawr College, *Feeling Slow Food: Participatory, visceral fieldwork in the alternative food movement*.

1:40 Adele Laing*, University of Aberdeen, *Embodied Understanding: Enabling / Disabling Knowledges*.

2:00 Barbara Van Wijnendaele*, Brunel University, centre for human geography; Barbara Francesca Van Wijnendaele, Brunel University, Centre for Human Geography, *participatory action research and the politics of emotions*.

3423. HDGC Plenary Panel Showcasing Human Dimensions Scholarship. Part II: Urban Areas (Sponsored by Human Dimensions of Global Change Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)
ORGANIZER(S): Darla Munroe, Ohio State University
CHAIR(S): Rob Krueger, Worcester Polytechnic Institute
Panelists: Jennifer L. Rice, University of Arizona and The Ohio State University; Susanne C. Moser, Susanne Moser Research & Consulting; Kirstin Dow, University of South Carolina; Robert J. Neff, UMBC (University of Maryland, Baltimore County); William D. Solecki, Hunter College; Kelli L. Larson, Arizona State University

3424. Geospatial methods and applications for biodiversity monitoring and conservation: session 1 (Sponsored by Geographic Information Science and Systems Specialty Group, Biogeography Specialty Group, Remote Sensing Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Tatiana Loboda, University of Maryland - College Park; Kelley J. O'Neal, University of Maryland
CHAIR(S): Tatiana Loboda, University of Maryland - College Park

12:40 Kenneth G. Boykin, Ph.D.*, New Mexico Cooperative Fish and Wildlife Research Unit, Center for Applied Spatial Ecology, Dept. of Fish, Wildlife, and Conservation Ecology, New Mexico State University; William G. Kepner, Environmental Protection Agency, Office of Research and Development; David F. Bradford, Ph.D., U.S. Environmental Protection Agency, Office of Research and Development; Rachel K. Guy, New Mexico Cooperative Fish and Wildlife Research Unit, Center for Applied Spatial Ecology, Dept. of Fish, Wildlife, and Conservation Ecology, New Mexico State University; Michael T. Calkins, New Mexico Cooperative Fish and Wildlife Research Unit, Center for Applied Spatial Ecology, Dept. of Fish, Wildlife, and Conservation Ecology, New Mexico State University; Kevin J. Gergely, Ph.D., U.S. Geological Survey, Gap Analysis Program; Anne C. Neale, U.S. Environmental Protection Agency, Office of Research and Development, *Mapping Biodiversity Metrics Representing Ecosystem Services at the Landscape Scale in the American Southwest*.

1:00 Kelley J. O'Neal*, University of Maryland, *Monitoring Changes in Woody Plant Cover in Northern Chihuahuan Desert Grasslands*.

1:20 Jun Wang*, University of Michigan; Daniel G. Brown, University of Michigan; Kathleen Bergen, University of Michigan, *Assessing grassland productivity dynamics impacted by climate variability and land-use and management on the Mongolia Plateau since the early 1980s*.

1:40 Michael O'Connell*, University of Maryland, *Using lidar to monitor barrier island forests for effects of sea level rise*.

2:00 Pinki Mondal*, University of Florida; Jane Southworth, University of Florida, *Exploring the utility of ASTER thermal bands in measuring protected area effectiveness*.

3425. Fault Lines

Room: Hoover, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick

CHAIR(S): Frederick Charles Staidum, Northwestern University

12:40 Frederick Charles Staidum*, Northwestern University, *"The City that Care Forgot": Race, Landmarks, and the Geographies of Coloniality*.

1:00 Bernard Forjwuor*, Northwestern University, *[Dis]lodging Territory or a Nostalgic Utopia?: Reimagining Spaces and the Political in Ghana*.

1:20 Jean-Pierre Brutus*, Northwestern University, *Present Absences and Absent Presences: Comparative Geographies of Race, Citizenship and Spatial Blackness in United States and Germany during the late 19th Century*.

1:40 Ruth Hays*, Northwestern University, *Shifting Geographies: Migration, Authoritative Knowledge, and the Black Birthing Body*.

3426. Combating Climate Change in Mega Cities 3

Room: Jackson, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Matias Ruiz Lorbacher, Freie Universität Berlin (Germany); Steven Bayer, Freie Universität Berlin

CHAIR(S): Steven Bayer, Freie Universität Berlin

12:40 Farshad Nasrollahi*, Berlin University of Technology, Young Cities Research Project, *Building Energy Efficiency for Young Cities*.

1:00 Ludger Eltrop, Universitaet Stuttgart, IER; Enver Doruk Özdemir*, Universitaet Stuttgart - IER; Harold Annegarn, University of Johannesburg, *Sustainable energy supply for the urban poor - technology evaluation and experiences from South Africa and Gauteng City Region (EnerKey-Project)*.

1:20 Dieter Steinbach*, Andrea Schultheis, *IGNIS - Income Generation in Future Megacities by Valorising Municipal Solid Wastes in a Sustainable Way*.

1:40 Thomas Michael Sterr*, Heidelberg University; Katharina Fricke, Heidelberg University, Department of Geography, *Urbanization and Climate Change in the semi-arid Urumqi Region (NW China) with respect to water as a scarce resource*.

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3427. Spatial Analysis of Disease: Bangladesh and Ghana

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Veronica Escamilla

12:40 Michael Emch*, University of North Carolina at Chapel Hill; Sophia Giebultowicz, University of North Carolina at Chapel Hill; Elisabeth D Root, University of Colorado at Boulder; Mohammad Ali, International Vaccine Institute, *Integration of Spatial and Social Network Analysis in Disease Transmission Studies*.

1:00 Sophia Giebultowicz*, University of North Carolina-Chapel Hill, *Tubewell Depth and Diarrheal Outcomes in Children Residing in Matlab, Bangladesh*.

1:20 Veronica Escamilla, MA*, University of North Carolina - Chapel Hill; Yasuyuki Akita, University of North Carolina - Chapel Hill; Jianyong Wu, University of North Carolina - Chapel Hill; Marc Serre, PhD, University of North Carolina - Chapel Hill; Lawrence Band, PhD, University of North Carolina - Chapel Hill; Mohommad Yunus, PhD, International Center for Diarrheal Disease Research, Bangladesh; Peter Kim Streatfield, PhD, International Center for Diarrheal Disease Research, Bangladesh; Alexander van Geen, PhD, Lamont-Doherty Earth Observatory, Columbia University; Michael Emch, PhD, University of North Carolina - Chapel Hill, *Are deep tubewells safe alternatives to shallow tubewells in rural Bangladesh: Effects of well-switching on childhood diarrheal disease*.

3428. Challenges and opportunities for stand-alone geographers (Sponsored by Stand-Alone Geographers Affinity Group)

Room: Johnson, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): David H. Kaplan, Kent State University

CHAIR(S): David H. Kaplan, Kent State University

Panelists: Jacqueline A. Housel, SUNY at Buffalo; David A. Fyfe; Petronella Muraya, Howard University; Leslie Gray, Santa Clara University; Helen Ruth Aspaas, Virginia Commonwealth University; Greg Atkinson, Tarleton State University; Richard S. Kujawa, Saint Michael's College, Vermont

3429. Redevelopmental States and Redevelopmentalities (Sponsored by Development Geographies Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Ryan Centner, Tufts University; Sylvia Nam, University of California, Berkeley

CHAIR(S): Ryan Centner, Tufts University

12:40 Ryan Centner, PhD*, Tufts University, *(Re) Development, the (Re)Developmental State, and (Re) Developmentality: Marking New Analytic Terrain*.

12:56 Sebastien Darchen*, York University, *Urban redevelopment and neo-liberal governmentality: the example of the Toronto Entertainment District*.

1:12 Sapana Doshi*, UC Berkeley, *The Redevelopmental State: Governing Accumulation through Displacement and Difference in Mumbai*.

1:28 Miriam Greenberg, Ph.D*, UC Santa Cruz, *Crisis Cities: Disaster and Redevelopment in New York and New Orleans*.

1:44 Sylvia Nam*, University of California, Berkeley, *Rentier Capitalism in the Frontier: the Speculative Urbanism of Phnom Penh*.

Discussant(s): Kris Olds, University of Wisconsin-Madison

3430. Finding the Family in Geographical Research I (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Lauren Martin, University of Kentucky; Christopher Harker, Durham University

CHAIR(S): Lauren Martin, University of Kentucky

12:40 Gill Valentine*, University of Leeds, *Rethinking 'private' geographies: families, intimacy & personal relationships*.

1:00 Christopher Harker*, Durham University, *Life, living and spaces of family*.

1:20 Joanna Long*, Queen Mary, University of London, *Evolving geographies of Palestinian families*.

1:40 Liz Lee*, University of British Columbia, *The Intimate Public Sphere: Military Families and the Privatization of Citizenship*.

2:00 Geraldine J. Pratt*, University of British Columbia, *Filipino Families, Canadian Citizenship and Social Death*.

3431. Placing Place, Placing Food: Adventures in (Agri)Culture I

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Benjamin Coles, University of Sheffield

CHAIR(S): Benjamin Coles, University of Sheffield

Introducer: Benjamin Coles

12:50 Joby Clare Williams*, University of Sheffield, *Neglected Sites and Spaces in the Journey of an Artisan Cheese*.

1:10 Roza Tchoukaleyska*, University of Sheffield, *Re-Imagining France: Erasing Diversity in Urban Food Markets*.

1:30 Megan K Blake, PhD*, University of Sheffield, *Eating in time/Eating up time*.

1:50 Matthew T. Koepp*, Association of American Geographers; Benjamin Coles; Lucius Hallett, Western Michigan University, *Good soy, bad soy: Global commodity chains and the politics of consumption*.

Discussant(s): Benjamin Coles, University of Sheffield

3432. Pushing the boundaries of disability geography (Sponsored by Disability Specialty Group)

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Robert D. Wilton, McMaster University; Vera Chouinard, McMaster University

CHAIR(S): Robert D. Wilton, McMaster University

12:40 Deborah S. Metzel, Ph.D*, University of Massachusetts Boston, *563 Miles: A Matter of Distance in Long-distance Caring by Siblings of Siblings with Intellectual and Developmental Disabilities (IDD)*.

1:00 Nancy Worth*, University of Leeds, *Young people and disability: negotiating visual impairment at school*.

1:20 Vera Chouinard, Professor*, McMaster University, *Disability in the Global South: Women's and Men's Experiences of Being Disabled in Guyana*.

1:40 Robert D. Wilton*, McMaster University; Edward Hall, University of Dundee, *Towards Enabling Geographies? Reconsidering the Role of Paid Work in the Lives of Disabled People*.

2:00 Fayyaz Vellani, PhD*, University of Pennsylvania, *Deconstructing liberal discourses in policy and practice*.

FRIDAY, APRIL 16 • 12:40 PM - 2:20 PM • 3400**3433. Indigenous Peoples and Protected Areas I: Protected Areas, Livelihoods, Natural Resource Use, Tourism, and Conservation (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)**

Room: McKinley, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Stan Stevens, University of Massachusetts

CHAIR(S): Stan Stevens, University of Massachusetts
 Introducer: Stan Stevens

12:45 Stacy Lynn*, Colorado State University, *Maasai Cultivation in the Tarangire-Manyara Ecosystem, Tanzania: A Controversial Land-use Change Sustaining Pastoral Futures.*

1:05 Barbara Cellarius*, Wrangell-St. Elias National Park and Preserve, *Balancing Nature Conservation and Subsistence Use in the Largest U.S. National Park.*

1:25 Keith Bosak*, University of Montana, *Conservation, Conflict and Changing Livelihoods in the Nanda Devi Biosphere Reserve, India.*

1:45 Richard Munro Baker*, Australian National University, *To climb Uluru (Ayers Rock) or not: tourist behaviour, local knowledge, and interpretation.*

Discussant(s): Stan Stevens, University of Massachusetts

3434. Energy and Climate Issues

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrew Bussey, Chemonics International

12:40 Azmi A Baharom*, Student; Mohd Hairry Ibrahim, Universiti Pendidikan Sultan Idris; Nasir B Nayan, Universiti, *Maximising Bakun Hydroelectricity Energy Output: Reducing Carbon Output in Borneo.*

1:00 Tim Dolney*, Penn State University - Altoona, *GIS for site identification and assessment of the Seasonal Storage of Solar Heating (S3H).*

1:20 Zheng Wang*, Chinese Academy of Sciences, *Scheme analysis for global emission mitigation based on MRICES model.*

1:40 Richard Perkins*, Department of Geography and Environment, LSE; Eric Neumayer, Department of Geography and Environment, LSE, *How do domestic attributes affect international spillovers of CO₂-efficiency?.*

2:00 Andrew Bussey*, Chemonics International, *Challenges and Mitigation Techniques for Environment-Dependent Energy Sources in a 'Climate Changed' World.*

3435. Environment in the Former Soviet Union

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Cristin Burke, University of Kansas

12:40 Judith Otto*, Framingham State College, *Place promotion, pollution, and policymaking: legacies of the landscape in Nowa Huta, Poland.*

1:00 Marina S Vornovysky, PhD*, U.S. Census Bureau; James K Boyce, PhD, University of Massachusetts at Amherst, *Economic Inequality and Environmental Quality: Evidence of Pollution Shifting in Russia.*

1:20 Craig ZumBrunnen*, Department of Geography, University of Washington, *Russia's Roles in Climate Change and Climate Policies and Politics.*

1:40 Tatiana N. Serebriakova, Ph.D.*, University of Connecticut; Victor A. Osipov, Ph.D., Tyumen State University, Russia, *Application of the Theory of Territorial Production Complexes for Optimization of an Agrarian and Industrial Manufacture in Western Siberia.*

2:00 Cristin Burke, PhD Candidate*, University of Kansas; Akhmet Demeev, Doctor of Science, Caspian State University named for Sh. Esenov, Aktau, Kazakhstan, *Bribery, Borat, and Benzene: Kazakhstan on the World Stage.*

3437. The Ethics of Energy II (Sponsored by Geography of Religions and Belief Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Energy and Environment Specialty Group)

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Michael Philip Ferber, The King's University College; Johanna Haas, Illinois State University

CHAIR(S): Michael Philip Ferber, The King's University College

12:40 Nicole Persons*, Texas A&M University; Christian Brannstrom, Texas A&M University; Wendy Jepson, Texas A&M University, *Perceived Socioeconomic Impacts of Wind Energy in West Texas.*

1:00 Josh Newell*, University of Southern California, *'Papering' over Space and Place: Using Fuzzy Accounting and Flat Geographies to Avoid Emissions in Carbon Footprints.*

1:20 Cheryl Teelucksingh, Dr.*, Ryerson University, *Energy Solutions, Neo-liberalism, and Multiculturalism in Toronto.*

1:40 Deborah Lee*, NUS, *Christianity and Environmental Action: It's a Small World After All.*

2:00 Michael Philip Ferber*, The King's University College; Trevor Harris, West Virginia University; Randolph Haluza-Delay, The King's University College, *Scale, ecclesiastical emergence, and contested energy exploitation.*

3438. To Protect and Serve: Critical Investigations into America's Nature-Culture Dialectic Session II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yolonda Youngs, Oklahoma State University; Geoffrey L. Buckley, Ohio University

CHAIR(S): Yolonda Youngs, Oklahoma State University

12:40 Edward K. Muller*, University of Pittsburgh, *Urban Blueways: John O. Simonds and Riverfront Planning.*

1:00 Craig Colten*, Louisiana State University, *Fluid Geographies: The Changing Nature of Two Urban Rivers.*

1:20 Geoffrey L. Buckley*, Ohio University, *Toxic Playground: The Story of Baltimore's Swann Park.*

1:40 Jasper Rubin, Ph.D.*, San Francisco State University, *Planning in Support of Urban Life: Open Space Policy and Programs in San Francisco Since 1970.*

Introducer: Yolonda Youngs

3440. Food: Beverages - Wine, Coffee, and Cocoa

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Meryl Olson, University of Vermont

12:40 Steven Kotecki*, *Cocoa and Development in Cote d'Ivoire.*

1:00 Frank LaFone*, West Virginia University; Bradley Wilson, PhD, West Virginia University; Trevor Harris, PhD, West Virginia University, *A geography of taste: fair trade coffee and spatialized tag clouds.*

1:20 Robert A. Rice*, Smithsonian Institution, *A Balance Sheet of North-South Relations: Coffee Certifications.*

1:40 Meryl Breton Olson, BA*, University of Vermont; V. Ernesto Mendez, PhD, University of Vermont; William B. Morris, MA, University of Vermont; Katlyn S. Morris, MA, University of Vermont, *Landscape Patterns, Agrobiodiversity, and Food Security on Farms of Shade Coffee Smallholders in Western El Salvador.*

2:00 Andres Guhl*, Universidad De Los Andes, *Benefits, tradeoffs and limitations of agricultural certification of coffee production (Aratoca, Colombia).*

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3441. Service Oriented Computing and Architecture (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Huayi Wu, George Mason University; Xuan Shi, Georgia Tech

CHAIR(S): Huayi Wu, George Mason University

Introducer: Huayi Wu

12:45 Huayi Wu*, George Mason University; Zhenlong Li, George Mason University; Chaowei Yang, George Mason University, *Quality-supported Architecture for Geospatial Information Service.*

1:00 Xuan Shi*, Georgia Tech, *Architecture and gateway to access and deploy Cyberinfrastructure for geospatial computation.*

1:15 Matthew Wilkerson*, USGS; Phil Yang, Ph.D., George Mason University; John Crowe, USGS, *An investigation into implementation of spatial web portal at the United States Geological Survey Global Fiducials Program.*

1:30 Weiguo Han*, Center for Spatial Information Science and Systems, George Mason University; Liping Di, Center for Spatial Information Science and Systems, George Mason University; Peisheng Zhao, Center for Spatial Information Science and Systems, George Mason University; Zhengwei Yang, Spatial Analysis Research Section, National Agricultural Statistics Service, *Sharing and Exploring Cropland Data Layer Through OGC Web Services.*

1:45 Nadine Alameh*, MobiLaps LLC, *Leveraging Web Services, 3D Visualization and Open Source Technologies to Enhance Search and Rescue Operations.*

3442. Everyday Places in North America 3: Planning, Development, and Transformation (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)

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

ORGANIZER(S): James A. Hanlon, Southern Illinois University Edwardsville; Christopher W. Post, Kent State University - Stark Campus

CHAIR(S): James A. Hanlon, Southern Illinois University Edwardsville

12:40 Laura Kolar*, University of Virginia, *Communities of Tomorrow: The USDA's Proposal to Create an Alternative American Landscape, 1967-68.*

1:00 Gina Bloodworth*, Salisbury University, *Water Management and the Chicken Empire of the Delmarva Peninsula.*

1:20 Jason Bryan Jindrich*, S4 Initiative - PSTC, *Squatter Titles: How Shanties and Houseboats Helped Build American Cities.*

1:40 Virginia Thompson*, Towson University, *A Club of Their Own: Country Clubs and the Creation of a Jewish Enclave.*

2:00 Claire Major*, York University, *From remote outpost to urbanized: tracing the growth of Fort McMurray, Alberta.*

3443. Assembling 'parts of elsewhere' I: Urban policy, politics and mobilities (Sponsored by Urban Geography Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Eugene McCann, Simon Fraser University; Kevin Ward, University of Manchester

CHAIR(S): Elisabeth Peyroux, University of Toulouse II

12:40 Allan Cochrane*, Open University, *Making up urban policies: the role of global institutions.*

1:00 Sue Brownill*, Oxford Brookes University, *Ideas of Elsewhere. London Docklands and the Contested Imagery of Policy on the Move.*

1:20 Ola Söderström*, *Cosmopolitan assemblages in ordinary cities.*

1:40 Elisabeth Peyroux*, University of Toulouse II, *Adopting the Business Improvement District model in Johannesburg: A discursive perspective on policy transfer.*

2:00 Marianne Morange, Dr., university Paris 7; Sophie Didier, Dr.*, French Institute of South Africa, *Urban regeneration models in translation and the 'formalization' of informal trading in Cape Town and Nairobi. When 'models from elsewhere' meet local African specificities.*

3444. Place Name Geography & Historical Analysis II

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

ORGANIZER(S): Program Committee

CHAIR(S): John C. Western, Syracuse University

12:40 Lisa Radding, Ethnic Technologies LLC; John C. Western*, Syracuse University, *What's in a Name: Linguistics, geography, and toponyms.*

1:00 Janet H. Gritzner*, South Dakota State University, *Stream Metrics, Generic Place Names, and Geography.*

1:20 James W. Vaughan, Ph.D., AICP*, Texas State University-San Marcos, *The Name Game: The Co-option of Place Names.*

1:40 Gertrude Szili*, University of South Australia; Matthew W. Rofe, Dr., University of South Australia, *A New Name for 'New Port': The Politics and Rhetoric of Place (Re) naming in Urban Regeneration.*

2:00 Derek H. Alderman*, East Carolina University, *Virtual Place Naming, Internet Domains, and the Politics of Misdirection: The Case of martinlutherking.org.*

3445. Topics in Environmental Geography and Water Resources

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hanson Nyantakyi-Frimpong

Zhaoxia Ye*, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Science; Yaning Chen, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Science; Weihong Li, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Science, *Application of two models to calculate phreatic water evaporation in the lower reaches of the Tarim River, western China.*

Jerett William Stockham*, University of West Georgia; Leanna Shea Rose, Ph.D., University of West Georgia, *An Examination of Mercury Pollution in West Georgia.*

Renee M. Bullock*, University of Florida, *Participatory Forest Management in East Usambara, Tanzania.*

Shahalam M.N. Amin*, Bloomsburg University of Pennsylvania; Abu Khan, University of Southern Illinois, *Environmental and Socio-economic Implications of Wild Shrimp Fry Collection in Bangladesh.*

Edward Landa*, U.S. Geological Survey, 430 National Center, Reston VA 20192, USA; Christian Feller, Institut de Recherche pour le Développement (IRD) Montpellier, France, *More than dirt: a new view of "Soil and Culture".*

Christopher F. Abbott*, Slippery Rock University; Julie A. Snow, Ph.D., Slippery Rock University, *Understanding Air Quality Variability in a Post Industrial Region.*

Leah L. Melnick*, Clark University; Jennie C. Stephens, Clark University; Gabriel M. Rand, Clark University; Chara Ragland, Texas A&M University; Andrea Feldpausch, Texas A&M University; Rumika Chaudhry, Clark University; Tarla R. Peterson, Texas A&M University,

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Emerging Energy Technologies in the Media: A State-level Comparison of Newspaper Coverage of Wind and Carbon Capture and Storage (CCS).

- Keith Bremer*, Texas State University - San Marcos; Desserae K Shepston, Texas State University-San Marcos, *Are Current Trends in Central Texas Providing a Model for the Future of the Sustainable Housing Industry?*.
- James Goetz*, Slippery Rock University; Ryan McCutcheon, Slippery Rock University; Julie A. Snow, Ph.D., Slippery Rock University, *Investigating the Relationship between Coal Emissions and Ambient Air Pollutant Levels using a Gaussian Plume Model.*
- Adam J Milam, M.H.S.*, Johns Hopkins Bloomberg School of Public Health; C. Debra M Furr-Holden, Ph.D., Johns Hopkins Bloomberg School of Public Health; Miekka J Smart, M.H.S., Johns Hopkins Bloomberg School of Public Health; Michele Cooley, Ph.D., Johns Hopkins Bloomberg School of Public Health; Philip J Leaf, Ph.D., Johns Hopkins Bloomberg School of Public Health, *Evaluating the Impact of Alcohol Outlet Proximity on Mental Health Outcomes in Urban School Children.*
- Joseph Miller*, USGS, *Protected Areas Database of the United States.*
- Daniel Rees*, Clark University; Henry N.N. Bulley, Clark University, *Suburban Development And Flood Risk near Protected Areas in Massachusetts.*
- David Andrew Gibbs*, Radford University, *Chesapeake Bay Preservation: Housing and Industrial Areas Impeding on Preserved Areas.*
- Philip Herout*, Northern Michigan University; Kenneth Spencer, Northern Michigan University; Robert J Legg, PhD, Northern Michigan University, *Acid Drainage Potential: A Case Study from the Proposed Mine on the Yellow Dog Plains.*
- John Thomas Fitzwater*, University of Maryland; Stephen D. Prince, PhD, University of Maryland, *Historical Forest Cover Change in Maryland, United States.*
- Kai A. Bosworth*, Macalester College, *Green Energy, Naturally Native?: Productions of Race, Nature and Technology in Wind Power Development.*
- Yu Sun*, University of Cincinnati, *Analyze the land use change in Las Vegas Wash Watershed.*
- James Hartsig*, The University of Tennessee, *The Effects on Soil-Water Relationships by Shifting Land Management Practices in the Ecuadorian Páramos.*
- Tania Lopez*, UPR, *Ecosystem services and drivers of ecosystem change: A comparison among different stakeholders.*
- Logan Berner, M.S. Student*, Western Washington University; Andy Bunn, PhD, Western Washington University; Pieter Beck, PhD, Woods Hole Research Center; Andrea Lloyd, PhD, Middlebury College; Scott Goetz, PhD, Woods Hole Research Center, *Evaluation of High-Latitude Boreal Forest Growth Using Satellite-Derived Spectral Vegetation Indices.*
- Cameron E. Tommey*, Furman University, Department of Earth and Environmental Science, *Comparative Sustainability Perceptions of Environmental Non-Governmental Organization Members (ENGOS): A Case Study of the Upstate Region of South Carolina.*
- Elnazir Ramadan*, Qatar University, *Strategic environmental assessment for Sustainable Urban Development in Qatar.*
- Thushara Ranatunga, MA*, Department of Geography, University of Cincinnati; Susanna T.Y. Tong, PhD, Department of Geography, University of Cincinnati; Jeff Yang, PhD, National Risk Management Research Laboratory, U.S. Environmental Protection Agency, Cincinnati, Ohio, *Basin Scale Hydrologic Modeling to Assess the Impacts*

of Climate Change on River Flow: A Case Study of the Little Miami River, Ohio.

- Dale R. Lightfoot*, Oklahoma State University; A. Hawta Al-Khayyat, Oklahoma State University, *Karez in Northern Iraq: History and Status of Subterranean Water Technology.*
- Dale K. Splinter*, University of Wisconsin-Whitewater, *Diurnal changes in water quality metrics in a southeast Wisconsin watershed: A late spring to early summer transition.*
- Hunter Terrell*, University of Tennessee, *Relationships between substrate characteristics and benthic habitat status in streams of East Tennessee.*
- Jurate M. Landwehr*, USGS; David W. Stewart, USGS; Tyler B Coplen, USGS, *Comparing Mapped Spatial Variability of Stable Isotopes of Water Throughout the United States.*
- Marion U. Blume*, Department of International Development, Community, and Environment, Clark University, Worcester, MA 01610; Henry N.N. Bulley, Graduate School of Geography, Clark University, Worcester, MA 01610; Timothy J. Downs, Department of International Development, Community, and Environment, Clark University, Worcester, MA 01610; Peter G. Coffin, Blackstone Headwaters Coalition, Worcester, MA 01607; Donna N. Williams, MassAudubon - Broad Meadow Brook Sanctuary, Worcester, MA 01607, *Retrofitting Stormwater Control Measures in urbanized watersheds: selecting effective small scale options for home and business owners in the Broad Meadow Brook Sub-watershed, Massachusetts.*
- Carrie Davis*, University of Arkansas, *Setting up a ArcSWAT hydrological model for the Cadron Watershed.*
- Jan-Eave Jeremy Wan*, University of Southern California, *Mapping the Social Vulnerability of Perchlorate Pollution in Wells and Reservoirs of Los Angeles County.*
- Gillian Avruskin*, SUNY - ESF; Matt Distler, SUNY - ESF; Eli Polzer, SUNY - ESF; John Farrell, SUNY - ESF, *Predicting Wetland Community Response to Water Level Changes.*
- Jonathan Duncan*, UNC Chapel Hill; Taehee Hwang, UNC Chapel Hill; Tamara Mittman, UNC Chapel Hill; Larry Band, PhD, UNC Chapel Hill, *Modeling spatial and temporal dynamics of denitrification at the watershed scale: investigating landscape and hydrologic controls.*
- Amber Ignatius, Doctoral Student*, University of Georgia; Andrew J. Grundstein, PhD, University of Georgia, Department of Geography; Todd C. Rasmussen, PhD, University of Georgia, Warnell School of Forestry and Natural Resources; Thomas L. Mote, PhD, University of Georgia, Department of Geography; Marshall Shepherd, PhD, University of Georgia, Department of Geography; John Knox, PhD, University of Georgia, Department of Geography; James S. Bollinger, MS, Savannah River National Lab; Alfred J. Garrett, PhD, Savannah River National Lab; Dave W. Hayes, Savannah River National Lab, *The use of MERRA reanalysis data in hydrologic modeling.*
- Hanson Nyantakyi-Frimpong*, The University of Montana-Missoula, *A Causal-Chain Analysis of Environmental Problems in the Lake Bosomtwi Basin-Ghana, Africa.*
- James F. Petersen*, Texas State University - San Marcos, *Depositional Processes, Stratigraphy, and Soil Development in Vernal Pools, Enchanted Rock, Texas.*

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3446. Geographies of Land Use Change in Africa

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sigismond Ayodele Wilson, Michigan State University

12:40 Peter K Kimosop*, University of Cincinnati, *Land use impacts on Lake Kamnarok National Reserve, Kenya.*

1:00 Thembele Kepe*, University of Toronto, *Pondoland National Park and the Making of an Environmental Discourse in a South African Countryside.*

1:20 Janet Puhalla*, Missouri State University, *Land Use and Management of Mugandu Wetland, Uganda.*

1:40 Sigismond Ayodele Wilson*, Michigan State University, *Land Use/Land Cover Change in Kono District, Eastern Sierra Leone; was the Civil Conflict a Driving Force?*

3447. Exploring the Geographies of Food II (Sponsored by Economic Geography Specialty Group, Qualitative Research Specialty Group, Rural Geography Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): John R. Grimes, Eastern Kentucky University; Garrett Graddy, University of Kentucky

CHAIR(S): Kathryn Morrison, University of Victoria

12:40 Kathryn Morrison, MSc (cand)*, University of Victoria; Trisalyn Nelson, PhD, University of Victoria; Aleck Ostry, PhD, University of Victoria, *Analysis of Local Food Systems in British Columbia.*

1:00 Kendra C Klein, PhD Candidate*, University of California, Berkeley, *We Are the Environment That We Eat: Food Procurement, Ecology, and Health in the Farm to Hospital Movement.*

1:20 Kathryn J. Besio*, University of Hawaii-Hilo; LeeRay Costa, Hollins University, *Eating Hawai'i: Local foods and place-making in Hawai'i Regional Cuisine.*

1:40 James Kezar Hayes-Bohanan, Ph.D.*, Bridgewater State College, *Coffeelands and landmines: A geographic research agenda.*

2:00 Sarah Marie Hall*, University of Liverpool, *Disjointed Discourses of Ethical Consumption.*

3448. Geographies of the hidden citizen 1 (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Rhys Dafydd; Sarah Mills

CHAIR(S): Rhys Dafydd

Introducer: Sarah Mills

1:00 Jeff May*, University of Toronto, *Hidden Homelessness, Hidden Citizenship.*

1:20 Diane Richardson*, Newcastle University, UK; Nina Laurie, Newcastle University; Meena Poudel, Newcastle University; Janet Townsend, Newcastle University, *Geographies of Passing: sexual citizenship and returnee trafficked women in Nepal.*

1:40 Romola Sanyal, Ph.D*, Open University, *Citizenship at the Margins: Refugees and the Question of Belonging.*

Discussant(s): Michael P. Brown, University of Washington

3449. Coupled Human and Natural Systems (CHANS): Illustrated Papers

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): William J. McConnell, Michigan State University; Robert Gilmore Pontius, Clark University

CHAIR(S): William J. McConnell, Michigan State University

12:40 Wuxuan Xiang*, Clark University; Robert Gilmore Pontius, Clark University; Jeffrey Onsted, Florida International University, *The Markov model versus an alternative model of land transitions over time: a case study of land change in the Florida Coastal Ecosystems.*

12:45 Thuy T Nguyen*, Jeff Hepinstall-Cymerman; Ted Gragson; John Chumblee; R. G. Pontius Jr., *Sensitivity of land cover analysis to category aggregation.*

12:50 Kangping Si*, Clark University; Myrica McCune, Oregon state university; Hannah Gosnell, Oregon state university, *Identifying factors influencing deforestation: using cross-tabulation matrix and transition probability model.*

12:55 Fei Meng*, *Method to show the level of stationarity of a land change process along a gradient: Forest regrowth at Hubbard Brook.*

1:00 Eva Zhang*, *Assessment of Land-cover Transitions Inside Versus Outside Protection Areas in Luquillo, Puerto.*

1:05 Jennifer B. Gardner*, Cornell University; Laurie E. Drinkwater, PhD, Cornell University; Steven A. Wolf, PhD, Cornell University, *A Socioecological Lens on Nitrogen Pollution of Waterways: Exploring Farm Scale Dynamics in the Mississippi River Basin.*

1:10 J. Brett Hill*, Hendrix College; Alexandra Miller, Arizona State University; Elizabeth Wentz, Arizona State University; C. Michael Barton, Arizona State University, *Archaeoclimatology and Ancient Mediterranean Landscape Dynamics.*

1:15 PING LIU*, Northeast Forestry University in China; Northeast Agricultural University in China; Michigan State University, *American National Forest Management and its Implications to China.*

1:20 Tom Saladyga*, West Virginia University; Peter Brown, Rocky Mountain Tree-Ring Research, Inc., Colorado State University; Amy Hessel, West Virginia University; Baatarbileg Nachin, National University of Mongolia; Neil Pederson, Eastern Kentucky University; Byambagerel Suran, National University of Mongolia, Colorado State University, *Climate, Fire, and Land Use Interactions in the Upper Tuul River Watershed, Mongolia.*

1:25 Christina Tonitto, Ph.D.*, Cornell University; Laurie E. Drinkwater, Ph.D., Cornell University, *Sustainability as a societal goal: how to measure progress.*

1:30 Emily T Yeh*, University of Colorado; Richard Harris, University of Montana; Don Bedunah, University of Montana; Andrew Smith, University of Arizona, *Determinants of grassland dynamics in Tibetan highlands: livestock, wildlife and the culture and political economy of pastoralism.*

1:35 Julie A. Winkler*, Michigan State University; Suzanne Thornsby, Michigan State University; Pang-Ning Tan, Michigan State University; Jeffrey Andresen, Michigan State University; J. Roy Black, Michigan State University; Scott Loveridge, Michigan State University; Shiyuan Zhong, Michigan State University; Jinhua Zhao, Michigan State University; Amy Iezzoni, Michigan State University; Nikki Rothwell, Michigan State University; Geza Bujdosó, Research Institute for Fruit Growing and Ornamentals; Frank-M. Chmielewski, Humboldt University; Peter

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Hilsendegen, DLR Rheinpfalz; Dieter Kirschke, Humboldt University; Robert Kurlus, Poznan University of Life Sciences; Malgorzata Liszewska, University of Warsaw; Tadeusz Niedzwiedz, University of Silesia; Denys Nizalov, Kyiv School of Economics; Zbigniew Ustrnul, Jagiellonian University; Harald von Witzke, Humboldt University; Costanza Zavalloni, University of Udine; Marco Artavia, Humboldt University; Sangjun Lee, Michigan State University; Mollie Woods, Michigan State University, *Climate Change Impact Assessments: Moving from the Local to the Global*.

3451. Human Impacts on Watershed Processes 1 - Hydrological Processes (Sponsored by Water Resources Specialty Group, Geomorphology Specialty Group, Mountain Geography Specialty Group)

Room: *Washington Room 1, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA; Yong Q Tian, University of Massachusetts - Boston

CHAIR(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA

12:40 Katie Price, Ph.D.*, U.S. EPA - ORD; C. Rhett Jackson, Ph.D., P.E., University of Georgia, Warnell School of Forestry and Natural Resources; Albert J. Parker, Ph.D., University of Georgia, Department of Geography; Trond Reitan, Ph.D., University of Oslo, Department of Biology; John Dowd, Ph.D., University of Georgia, Department of Geology, *Effects of Watershed Land Use and Geomorphology on Stream Baseflows in the Southern Blue Ridge Mountains, NC and GA*.

1:00 Christopher Woltemade*, Shippensburg University, *Impact of residential soil disturbance on infiltration rates and stormwater runoff*.

1:20 Chansheng He, Dr.*, Western Michigan University, *The South-to-North Water Transfer Project and China's Water Shortage Crisis..*

1:40 Beverley Wemple*, Member, *Effects of forest clearing on snowpack distribution in a northern temperate setting and implications for runoff production..*

3452. Regional Innovation and Knowledge

Room: *Washington Room 2, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jan-Philipp Kramer, Institute of Economic Geography, University of Hannover

12:40 Karl-Johan Lundquist*, Lund University; Michaela Trippl, Vienna University of Economics and Business, *Distance, proximity and path dependence in cross-border innovation spaces*.

1:00 David Bieri*, Virginia Tech, *Aggregation, Spatial Scale and the Capital Controversy: Implications for Economic Geography*.

1:20 Kristina Westermarck*, Stockholm University, *Distance-defying flows of knowledge; Swedish service firms in India*.

1:40 Jan Philipp Kramer*, Institute of Economic Geography, University of Hannover, *Intangible Assets and MNEs' Locational Strategies for Innovation: Empirical Insights on Open Innovation in Regional Innovation Systems from Germany and the UK*.

2:00 Tommi A. Inkinen*, University of Helsinki, *Knowledge-based development in a Nordic welfare state*.

3453. Finance at crossroads and its geographies III: New financial players and old problems (Sponsored by Economic Geography Specialty Group)

Room: *Washington Room 3, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Dariusz Wojcik, Oxford University Centre for the Environment; Gordon L. Clark, University of Oxford

CHAIR(S): Gordon L. Clark, University of Oxford

12:40 Ashby Monk*, Oxford University, *The China Investment Corporation: The Rise of a Strategic Investor*.

1:00 Daniel Haberly, PhD Candidate*, Clark University, *Analyzing the Investment Behaviors of Sovereign Wealth Funds: a Network Mapping Approach*.

1:20 Phillip O'Neill*, University of Western Sydney, *New options for financing public infrastructure projects post-GFC*.

1:40 Adam D Dixon*, University of Bristol, *Critical or Political? Scholarship, Global Finance and the Problem of Semantics*.

Discussant(s): Dariusz Wojcik, Oxford University Centre for the Environment

3454. Indigenous Activities and Environmental Dynamics

Room: *Washington Room 4, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Program Committee

CHAIR(S): Jane M. Read, Syracuse University

12:40 Eric T Oosahwee-Voss*, Central Washington University, *River Cane: Its Ecological and Cultural Perspectives in Oklahoma Cherokee Culture*.

1:00 Denise M. Golden, B.A., B.E.S.*, MScF Candidate, *Boreal Forest Management in a Carbon Constrained World: Ontario's Institutional Approaches to Address Climate Change and First Nation Engagement*.

1:20 Michael P. Gilmore, Ph.D.*, George Mason University; Jason C. Young, Miami University, *Participatory Mapping, Community Empowerment, and the Conservation of Biocultural Resources in the Peruvian Amazon*.

1:40 Jeffrey B. Luzar, State University of New York - College of Environmental Science and Forestry; Jane M. Read*, Syracuse University; Jose M.V. Fragoso, Stanford University; Kirsten Silvius, Gordon and Betty Moore Foundation; Anthony R. Cummings, Syracuse University; Sean Giery, University of Hawaii; L. Flamarion de Oliveira, National Museum of Brazil, *Space, Place and Hunting Behavior Among Indigenous Peoples of the Guyanese Amazon*.

3455. Food: Rethinking Production and Local Delivery

Room: *Washington Room 5, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Program Committee

CHAIR(S): Lisa Powell, University of Texas at Austin

12:40 Michael Bacon*, *Starting the Grocery Store - Putting Bourdieu's Social Capital to Work*.

1:00 Molly E. Brown*, NASA; Brent McCusker*, West Virginia University, *Political Ecologies of Food Security and Policy: The new realities of brittle food security*.

1:20 Jennifer Blecha, Ph.D.*, San Francisco State University, *Regulating Urban Livestock: comparing municipal animal ordinances in US and Canadian cities*.

1:40 Lisa J. Powell*, University of Texas at Austin, *Changing Patterns in Farm Land Ownership in Western Kentucky, World War II - Present*.

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- 3456. Standing Out In The Crowd: Competing in the dynamic marketplace of cultural products III (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Blue Room, Omni Shoreham (Paper Session)*
ORGANIZER(S): Doreen Jakob, Center for Metropolitan Studies Berlin / UNC Chapel Hill; Brian Hraes, University of Toronto
CHAIR(S): Doreen Jakob, Center for Metropolitan Studies Berlin / UNC Chapel Hill
12:40 Ozge Oner*, Jönköping International Business School, *Streaming Music: Innovation in Digital Music Distribution.*
1:00 Patrick J. Adler*, University of Toronto, *Remix? : Appreciating Current Trends in Cultural Production.*
1:20 Frank Roost*, Institut fuer Landes- und Stadtentwicklungsforschung, Dortmund (Germany), *Branding Centers -flagship stores and urban theme parks as three-dimensional advertising.*
Discussant(s): Tara Vinodrai, University of Waterloo
- 3460. Spatial Analysis III: Land Use and Change Analysis**
Room: *Chairman, Omni Shoreham (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Anne Bretagnolle, Université Paris 1
12:40 Gargi Chaudhuri*, Graduate Student, University of California Santa Barbara, *Urban Growth in a Trans-Border Region.*
1:00 Ivan Bicik*, Charles University in Prague, Czech Republic, *Assessment Methods of longterm changes of the land use: Czechia 1845-2008.*
1:20 Thomas Vought*, Kansas State University, *Defining, Measuring, and Monitoring the Sustainability of Military Training Lands.*
1:40 Jeong Chang Seong*, University of West Georgia; Mohammed Raza Mehdi, University of West Georgia, *Detection of Land Cover Changes Using Satellite Imagery through Angle Method: Metro Atlanta Case.*
2:00 Anne Bretagnolle*, Université Paris 1; Timothée Giraud, UMS RIATE; Marianne Guérois, Université Paris 7; Hélène Mathian, UMR Géographie-cités, *Building European urban areas from Corine Land cover and UMZ database?.*
- 3463. Spatial Data Mining and Exploratory Data Analysis (2) (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: *Council, Omni Shoreham (Paper Session)*
ORGANIZER(S): Diansheng Guo, University of South Carolina; Jeremy Mennis, Temple University Department of Geography and Urban Studies
CHAIR(S): Jeremy Mennis, Temple University Department of Geography and Urban Studies
12:40 Peter A. Rogerson*, University at Buffalo, *Optimal Geographic Scales for Local Spatial Statistics.*
1:00 Melissa Rura*, University of Texas At Dallas, *K-color join count for categorical map comparison.*
1:20 Jamison F. Conley*, West Virginia University, *Assessing the Ability to Detect Cluster Shapes Under Data Sampling: How Much Accuracy Is Lost?.*
1:40 Diansheng Guo*, University of South Carolina, *A Nonparametric Approach to Detect Local Multivariate Relationships.*
Discussant(s): Harvey J. Miller, University of Utah
- 3464. Teaching Geographic Information Systems and Services in the Cyberinfrastructure Environment**
Room: *Diplomat, Omni Shoreham (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): James O'Brien
12:40 Randy Bui, MSc*, University of Toronto Mississauga; Ron Buliung, Assistant Professor, University of Toronto Mississauga, *Open source Centrographics: Capabilities of the aspace Package for R.*
1:00 Michael D Gould, PhD*, ESRI, *Teaching components of server-based GIS.*
1:20 Bob Kolvoord, PhD*, James Madison University; Kathryn Keranen, James Madison University, *The Geospatial Semester: Mapping a Difference for High School Seniors.*
1:40 Angela L Cuthbert, PhD*, Millersville University of Pennsylvania, *Teaching Introductory GIS with Service Learning.*
2:00 James O'Brien*, *Using Mobile GIS Tools to Mobilize Remote Student Engagement.*
- 3465. Goals and & Resources That Support Education (Sponsored by Community College Affinity Group)**
Room: *Director's, Omni Shoreham (Paper Session)*
ORGANIZER(S): Kerry Lyste, Everett Community College
CHAIR(S): Ann Johnson, GeoTech Center
12:40 Amy Work*, Institute for the Application of Geospatial Technology, GeoTech Center, *Implementation of Geospatial Technologies across Community College Campuses.*
1:00 Ann Johnson*, GeoTech Center; Phillip Davis, Dr., Del Mar College, *GeoTech Center - Goals and Resources Supporting Community Colleges.*
Introducer: Kerry Lyste
Discussant(s): Joseph J. Kerski, ESRI
- 3466. Population Specialty Group Student Paper Competition (Sponsored by Population Specialty Group)**
Room: *Embassy, Omni Shoreham (Paper Session)*
ORGANIZER(S): Ellen Percy Kraly, Colgate University
CHAIR(S): Ellen Percy Kraly, Colgate University
12:40 Natasha M Rivers, M.A., Doctoral Candidate*, University of California, Los Angeles, *Contemporary sub-Saharan African Migration and Gender in the U.S..*
1:00 Laurel Suter*, University of California Santa Barbara, *The Maturation of the Agricultural Frontier: Sierra del Lacandón National Park, Guatemala.*
1:20 Jason R. Jurjevich*, University of Arizona, *A Methodological Framework for Assessing Compositional Effects of Migration on Political Landscapes.*
1:40 Amber S. McIlwain, MS*, University of Kentucky, *Aging out-of-place: Narratives of exclusion among Irish immigrant elders.*
Discussant(s): Jamie Michelle Goodwin-White, University of Washington

FRIDAY, APRIL 16 • 12:40 PM - 2:20 PM • 3400**3470. Geosciences and Physical Geography Education**

Room: Hampton, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Christopher M. Keane, American Geological Institute

12:40 Patrick L Lawrence*, University of Toledo, *Development of a Climate Change course for an undergraduate Geography Program.*

1:00 Diane M. Stanitski, Ph.D.*, NOAA Climate Program Office; Chris Fairall, Ph.D., NOAA Earth System Research Laboratory, *NOAA's Teacher in the Lab Pilot Program: Successful Scientist-Teacher Collaborations.*

1:20 Doug R. Oetter, Ph. D.*, Georgia College & State University, *Hollywood Does Physical Geography: Incorporating Movie Myths into Undergraduate Education.*

1:40 Leila M. Gonzales*, American Geological Institute, *Pathways between Geography and Geoscience.*

2:00 Christopher M. Keane, Ph.D.*, American Geological Institute; Cynthia Martinez, American Geological Institute, *Geology and Geography Departments: Complementary Assets for a Strong Geosciences Presence on Campus.*

3471. Tourism, Recreation, and Gaming

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Harold Alan Perkins, Ohio University

12:40 Cory St. Esprit*, Slippery Rock University; Langdon Smith, Ph.D. Geography, Slippery Rock University, *The Role of the State Parks in Sustainability.*

1:00 William V. Ackerman*, Ohio State University; Rick L Bunch, Ph.D, University of North Carolina Greensboro, *A Comparative Analysis of Indian Gaming in the United States.*

1:20 Zoe A. Meletis*, University of Northern British Columbia, *Dealing with post-dissertation gender guilt: An exploratory exercise in searching for gender in the data.*

1:40 Mary Conran*, University of Hawaii, *Moralizing the Market: An Inquiry into the Cultural Politics of Sentimentality in Volunteer Tourism.*

2:00 Harold Alan Perkins, PhD*, Ohio University, *From walleye wars to culling cormorants: the violence in replacing spiritual gift-economies with market-based commodity exchange.*

3472. Emerging Techniques in Modeling Emergency Evacuation (Sponsored by Transportation Geography Specialty Group)

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Xuwei Chen, Northern Illinois University

CHAIR(S): Xuwei Chen, Northern Illinois University

12:40 Luke D VanLandegen*, Northern Illinois University; Xuwei Chen, Dr., Northern Illinois University Assistant Professor, *Microsimulation of large scale evacuations utilizing metro transit.*

1:00 Xuwei Chen*, Northern Illinois University, *Activity-based Modeling and Microsimulation of Emergency Evacuations: A Case Study of Hurricane Evacuations of Galveston Island.*

1:20 David Haynes II*, Student, *Creating Time-of-Day Population Estimates to Support Emergency Planning.*

1:40 Jiunn-Der (Geoffrey) Duh*, Portland State University, *Computer Simulation for Pedestrian Evacuation in the Event of a Local Tsunami for the City of Seaside, Oregon.*

3474. Urban Political Struggles

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clarence Stone, George Washington University

12:40 Katie Himmelfarb*, Rutgers University, *Big State, Bigger City? New York City and the 2008 New York State Brownfield Policy Reforms.*

1:00 Kafui Attah*, Syracuse University, *What Kind of Right is the Right to the City?.*

1:20 Justin Myers, PhD Candidate*, City University of New York, Graduate Center, *CUNY & Social Struggle: From Keynesian University to Neoliberal University.*

1:40 Desiree Fields*, CUNY Graduate Center, *Mapping Over: Landlord abandonment and mortgage foreclosure in New York City neighborhoods.*

2:00 Clarence N Stone*, George Washington University, *Issue Scope and Urban Political Orders.*

3476. Water Resources and GIS

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Krystal Kliger, AMEC Earth & Environmental

12:40 Brian Blankespoor*, World Bank; Alan Basist, Weather Predict, *Flow Probabilities to Address Water Variability in International River Basin Treaties.*

1:00 Sarjana Khadka*, Southern Illinois University Edwardsville; Elizabeth M Walton, Ph.D., Southern Illinois University Edwardsville, *Water Crisis in Kathmandu Valley: Rainwater Harvest as an Alternative Solution.*

1:20 Steven Schultze*, Western Michigan University; Douglas Rivet*, Western Michigan University, *Net Historic Wetland Loss within the Kalamazoo River Watershed.*

1:40 Henry N. N. Bulley, Dr.*, Clark University (Department of International Development, Community, and Environment/Graduate School of Geography); Sijie Yang, Department of International Development, Community, and Environment, Clark University, Worcester, MA; Marion U Blume, Department of International Development, Community, and Environment, Clark University, Worcester, MA; Timothy J Downs, Dr., Department of International Development, Community, and Environment, Clark University, Worcester, MA; Peter G Coffin, Blackstone Headwater Coalition, Worcester, MA 01607; Donna N Williams, 4- MassAudubon - Broad Meadow Brook Sanctuary, Worcester, MA 01607, *Modeling Impacts of Impervious Surfaces on Stormwater Runoff using GIS in Broad Meadow Brook Sub-watershed, Central Massachusetts.*

2:00 Krystal Kliger*, AMEC Earth & Environmental & University of Connecticut, *Anthropogenic and Geomorphic Factors Related to Stream Biotic Integrity: Multi-scale Assessment Using Geospatial and Field Techniques.*

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3477. Investigating Ancient Geographies

- Room:** Park Tower 8218, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Frederique Cloutier-Pichette, Université De Hearst
12:40 Mark Blumler*, SUNY-Binghamton, *Tight Centers of Agricultural Origins*.
1:00 Wayne L. McKim*, Towson University, *Feng Shui and Geography: Spatial Planning Partners*.
1:20 W F George, Bachelor of Science Geography*, *How the Ancient Pyramids were used as Musical Instruments*.
1:40 Frederique Cloutier-Pichette, Professeure de géographie*, Université de Hearst; Oliver Caron, UQAM; Jacques Schroeder, Professeur, UQAM, *About the arrival of Modern Human in North America : a geographical approach*.

3478. Remote Sensing and Biogeography

- Room:** Park Tower 8224, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Keely Roth, University of California in Santa Barbara
12:40 Maggi Kelly*, University of California; Celia Garcia-Feced, Universidad Politécnica de Madrid; Douglas Temple, University of Minnesota, *Lidar as a Tool to Characterize Wildlife Habitat: California Spotted Owl Nesting Habitat as an Example*.
1:00 Yuki Hamada*, Department of Geography, San Diego State University, *Estimating life-form cover fractions within CSS communities using remote sensing*.
1:20 Bassil El-Masri*, Indiana University; Faiz Rahman, Indiana University, *Developing a data driven process-based model for remote sensing of ecosystem productivity*.
1:40 Yuan Zhang*, Department of Geography, University of Utah; George F. Hepner, Department of Geography, University of Utah, *Identification of Phenoregions in the Upper Colorado River Basin*.
2:00 Keely L. Roth*, University of California, Santa Barbara; Dar A. Roberts, University of California, Santa Barbara; Philip E. Dennison, University of Utah, *Remote Sensing of Plant Species: Measuring Spectral Separability Across Ecosystems*.

3479. Investigating Middle East Change 1

- Room:** Park Tower 8229, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Haya Alhusainan
12:40 Mohammad Taghi Razavian, Dr.*, Shahid Beheshti University of Tehran, Iran, *RE- Defining Geography of the Persian Gulf*.
1:00 Zia Salim*, San Diego State University / UC Santa Barbara; Tiffany Seeley*, California State University, Fullerton, *"You took away some freedoms, and you gained others": Western Housing Compounds in Saudi Arabia*.
1:20 Christopher Galletti*, Arizona State University, *Late Pleistocene Archaeological Predictive Modeling in Dhofar, Oman*.
1:40 Naeema M. Alhosani*, *Arab traditional land navigation techniques*.
2:00 Haya N Alhusainan*, Scott Greene, *Wind Resource Analysis For The State of Kuwait*.

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3502. Critical Geopolitical Perspectives on the Polar Regions II: Mobilities & Resources (Sponsored by Political Geography Specialty Group)

- Room:** Delaware Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Philip E. Steinberg, Florida State University; Klaus Dodds, Royal Holloway, University of London
 CHAIR(S): Klaus Dodds, Royal Holloway, University of London
2:40 Philip E. Steinberg*, Florida State University, *Imagining Northwest Passages*.
3:00 Alan Grove*, University of British Columbia, *Strangers on the Bridge and at the Helm: The Construction of Security in the Canadian Arctic through Shipping*.
3:20 Elena Glasberg*, Princeton U, *Road to Pole: Logistics, Supply Chains, and New Corporate Territory*.
3:40 Jason Davis*, Ohio State University, *Bioprospecting in Antarctica: The framing of a controversy*.
4:00 Lauren Bonilla*, Clark University, *Climate Change and the Making of a World Class State of Extraction in Greenland*.

3503. Sustainable Issues in Geography (Sponsored by Cultural Geography Specialty Group)

- Room:** Delaware Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Chris Mayda, Eastern Michigan University
 CHAIR(S): Christopher F. Meindl, University of South Florida, St. Petersburg
2:40 Chris Mayda*, Eastern Michigan University, *The Sustainable Bioregion*.
3:00 Carl A R Lewis, MA, BA (Hons)*, The University of Hull, *The New Ecology of Risk: Balancing Flood Risk Mitigation with Economic Sustainability on the Humber Estuary, England*.
3:20 Christopher F. Meindl*, University of South Florida, St. Petersburg, *Water, Water, Everywhere? Refining notions of Sustainable Water Management in Florida*.
3:40 Kenneth C. Dangel*, Missouri Western State University, *Geography as Core: Interdisciplinary Study in Landscape Appreciation and Sustainable Energy*.

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- 3504. Gender, Feminisms, and Violence II (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group)**
Room: Embassy, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Kate Coddington Senner, Syracuse University; Destiny Aman
 CHAIR(S): Destiny Aman
2:40 Ann Lynn Murphy*, Newcastle University UK, *Married to the Military: 'Militarized' by Virtue of being an Army Spouse!*.
3:00 Emma Gaalaas Mullaney*, The Pennsylvania State University, *Guerrieras' Justice: Legacies of Resistance and Gendered Contradictions in Timor Leste*.
3:20 Julie Michelle Klinger*, Graduate Student, *Gendered Negotiations of Forgiveness, Truth and Reconciliation in Timor Leste*.
3:40 Jacquelyn Miceli*, Syracuse University, *Querying Geographies of Memory: Mapping the Visceral*.
 Discussant(s): Lorraine Dowler, Penn State University
- 3505. Environmental History and Geoarchaeology II: Papers in Honor of Karl Butzer's 50 years in Academia (Sponsored by Cultural and Political Ecology Specialty Group, Geomorphology Specialty Group, Paleoenvironmental Change Specialty Group)**
Room: Ethan Allen, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Robert Dull, University of Texas at Austin; Timothy Beach, Georgetown University
 CHAIR(S): Michelle Goman, Cornell University
 Introducer: Timothy Beach
2:50 Michelle Goman*, Cornell University; Gail M Ashley, Rutgers University; Victoria Hover, University of Louisiana at Lafayette; Bernhard Owen, Hong Kong Baptist University; Dev Maharjan, University of Louisiana at Lafayette, *Multiproxy Evidence for hydrological changes during the Little Ice Age in the East African Rift, Kenya*.
3:05 Robert Dull*, University of Texas at Austin, *The Impact of the Columbian Encounter on Fire Regimes of the Northern Neotropics*.
3:20 Sheryl Luzzadder-Beach*, George Mason University; Timothy Beach, Georgetown University, *Testing Wetland Formation Models in the Maya Lowlands*.
3:35 Kathleen Nicoll, PhD*, University of Utah, *"Collapse" of the Neolithic in the NE Sahara: Reconstructing Hydroclimatic Change from environmental and archaeological evidence in Egypt and Sudan*.
3:50 David B. Wahl*, United States Geological Survey; Lysanna Anderson, Stanford University; Richard Hansen, Idaho State University; Francisco Estrada-Belli, Boston University; Roger Byrne, University of California, Berkeley; Thomas Schreiner, University of California, Berkeley, *Prehistoric Environmental Change in Peten, Guatemala: A Comparative View from the Mirador and Holmul Regions*.
- 3507. Plenary by David M. Lampton: Chinese power: what it means for America and the world? (Sponsored by Political Geography Specialty Group, China Specialty Group, Asian Geography Specialty Group)**
Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Yu Zhou, Vassar College
 CHAIR(S): Yu Zhou, Vassar College
2:40 David Lampton*, *Chinese power: what it means for America and the world?*.
 Discussant(s): Yu Zhou, Vassar College
- 3508. "New Wars"? III: Rethinking Counterinsurgency (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Oliver Christian Belcher, University of British Columbia; Derek Gregory, University of British Columbia at Vancouver
 CHAIR(S): Oliver Christian Belcher, Univ. of British Columbia
2:40 Michael D Smith*, University of British Columbia, *How war makes law and vice versa: geolegalities of lawfare in "Af-Pak"*.
3:00 Richard Nisa*, Rutgers University, *Detention as Counterinsurgency: What is Wartime Detention if War No Longer Exists?*.
3:20 Wesley Llewellyn Attewell*, The University of British Columbia, *"Because Total Destruction is Beautiful": Commenting on Dissonance*.
3:40 Benedikt Korf*, University of Zurich, *The geography of civil war*.
4:00 James A. Tyner*, Kent State University, *Postmodern Warfare*.
- 3509. Economic Geography: Europe**
Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Anna Carrabetta, University of Milano-Bicocca
2:40 Krzysztof Stachowiak*, Adam Mickiewicz University, Poznan, Poland, *The Same Business, Different Rules: The Institutional Environment For Business Activity In Europe*.
3:00 Eva Kiss*, Hungarian Academy of Sciences, *Spatial Pattern of Hungarian Industry and its Relationship with Transportation*.
3:20 Sven Conventz*, Karlsruhe Institute of Technology, *Bridging a Globalized World: The Formation of New Office Landscapes around International Hub-Airports - the Example of Amsterdam-Schiphol*.
3:40 Evangelia Petridou*, Student, *Cultural policies and European Peripheral Areas*.
4:00 Anna Carrabetta*, University of Milano-Bicocca/ Promos-Chamber of Commerce of Milan, *The Union for the Mediterranean, reshaping the old world*.
- 3510. Environmental Science, policy and politics: exploring the links 2 (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Sebastien Nobert, King's College London; David Demeritt, King's College London
 CHAIR(S): Gregory Simon, University of Colorado Denver
2:40 Luke R. Bergmann*, University of Minnesota, *Bound by Chains of Carbon: Remapping territorial connections*.
3:00 Mrill Ingram*, University of Wisconsin-Madison, *Keeping up with the e.coli: Considering human-nonhuman relationships in natural resources policy*.
3:20 Sebastien Nobert*, King's College London, *Science, simulation, and the making of Quebec's forest crisis*.
3:40 Joshua S.S. Muldavin*, Sarah Lawrence College; Piers M. Blaikie, University of East Anglia, *Participation, community and natural resource management: justice in any form?*.
 Discussant(s): David Demeritt, King's College London

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3511. "Global Change and Local Places" Revisited

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Bob Kates, Independent Scholar; Thomas J. Wilbanks, Oak Ridge National Laboratory

CHAIR(S): Ronald F. Abler, International Geographical Union

2:40 Stephen E. White*, Kansas State University; Douglas G. Goodin, Kansas State University; John A. Harrington, Kansas State University; Lisa MB Harrington, Kansas State University; David E. Kromm, Kansas State University, *GCLP 2010 Kansas Ogallala Region*.

2:50 Michael W. Mayfield*, Appalachian State University; Jennifer DeHart, Allegheny College, *Ten Years After: Northwestern North Carolina*.

3:00 Patrick L. Lawrence*, University of Toledo, *GCLP 2010 NW Ohio*.

3:10 C Gregory Knight*, Pennsylvania State University; Brent Yarnal, Pennsylvania State University; William Easterling, Pennsylvania State University, *GCLP 2010 Central Pennsylvania*.

3:20 Brenton Yarnal*, Pennsylvania State University, *Herding Cats: The human Environmental Regional Observation (HERO) Project*.

3:30 Colin Polsky*, Clark University, *The HERO Program Today and into the Near Future*.

3:40 Thomas J. Wilbanks*, Oak Ridge National Laboratory, *Geographic Scale as an Aspect of US Global Change Research*.

3:50 Bob Kates*, Independent Scholar, *Revisiting the GCLP issues*.

4:00 William E. Easterling*, Pennsylvania State University, *GCLP lessons as one of a family of assessments*.

3512. Conceptualising and Measuring Segregation: Spatial Scale, Population Structure and Population Dynamics: IV (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)

Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Chris Lloyd, Queen's University, Belfast; David Wong, George Mason University

CHAIR(S): Gemma Catney, Queen's University, Belfast

2:40 Pablo Mateos*, University College London; John Iceland, Penn State University, *Comparing segregation across the Atlantic: Ethnicity, residential segregation and socioeconomic status in the UK and US*.

3:00 Sungsoo Hwang*, DePaul University, *Reformulating residential segregation measures: housing submarket approach*.

3:20 Kenneth French*, University of Wisconsin-Parkside, *Quality of Life in Segregated Neighborhoods: Analyzing the Impacts of Segregation in Milwaukee Neighborhoods*.

3:40 Quan Tang*, Louisiana State University; Lei Wang, Louisiana State University, *A Stratified Local Regression on Population Segregation Mapping and Estimation using Remote Sensing*.

Discussant(s): Chris Lloyd, Queen's University, Belfast

3513. Wind Energy in the 21st Century I: Ecological Impacts (Sponsored by Energy and Environment Specialty Group)

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Michael Slattery, Texas Christian University

CHAIR(S): Michael Slattery, Texas Christian University
2:40 Michael Slattery, Ph.D.*, Texas Christian University, *Environmental Impacts of large wind farms in Texas: Year 2 results from the TCU-Oxford-Nextera wind research initiative*.

3:00 Amanda M Hale, PhD*, Texas Christian University; Kristopher B Karsten, PhD, Texas Christian University, *Direct Impacts of Wind Energy on Birds and Bats: Lessons Learned from One Year in the Field in North-central Texas*.

3:20 Kristopher B. Karsten, Ph.D.*, The Institute for Environmental Studies, Texas Christian University, 2800 S. University Drive, Fort Worth, TX 76129; Amanda M. Hale, Ph.D., Biology Department, Texas Christian University, 2800 S. University Drive, Fort Worth, TX 76129; Caleb E. Gordon, Ph.D., Pandion Systems, Inc., 102 NE 10th Ave., 1st floor, Gainesville, FL 32601; Bryan J. Suson, Pandion Systems, Inc., 102 NE 10th Ave., 1st floor, Gainesville, FL 32601, *Relative Influence of Ecological and Anthropogenic Effects on Passerine Nesting Success at a Wind Energy Facility in North-Central Texas*.

3:40 Trevor G. Rubenstahl, M.S. candidate*, Texas Christian University; Kristopher B. Karsten, Ph.D., Texas Christian University; Amanda M. Hale, Ph.D., Texas Christian University, *Scissor-tailed Flycatcher (Tyrannus forficatus) Nest Placement and Success in Relation to Wind Turbines at a Utility-Scale Wind Farm in North-central Texas*.

4:00 Jeff A. Meyer, Masters Candidate*, Texas Christian University; Kris B. Karsten, Ph.D., Texas Christian University; Amanda M. Hale, Ph.D., Texas Christian University, *Effects of Wind Turbines on Breeding Grassland Birds in North-Central Texas*.

3514. Research activities at USGS related to coastal and marine geography (Sponsored by Coastal and Marine Specialty Group)

Room: Park Tower 8210, Marriott, Lobby Level (Panel Session)

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

CHAIR(S): Jean Taylor Ellis, University of South Carolina

Introducer: Jean Taylor Ellis

Panelists: Dean Gesch, U.S. Geological Survey

3515. Re-Exploring the North III: Social and natural transformations in the Circumpolar North (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Canadian Studies Specialty Group)

Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Andrey N Petrov, University of Northern Iowa; Timothy Edmund Heleniak, University of Maryland

CHAIR(S): Andrey N Petrov, University of Northern Iowa

2:40 Vesa Rautio*, University of Helsinki, *Russia's Integration to the World Economy through Foreign Direct Investments*.

3:00 Hal Salzman*, Rutgers University, *Malthus Redux: Transformation of Arctic communities and implications for global sustainability*.

3:20 Beatrice M. Collignon, Associate Professor*, Université de Paris 1 Pantheon-Sorbonne, *Inuit Contemporary Mobility and Arctic urbanity: Re-designing the Geography of the Canadian North*.

3:40 Stanley D. Brunn*, University of Kentucky, *Immobility and Migration Preferences in a Southern Siberian City*.

4:00 Lawson Walter Brigham*, University of Alaska Fairbanks, *Early 21st Century Arctic Marine Operations*.

3516. Geospatial Web Services in Government (Sponsored by Cyberinfrastructure Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Chaowei Yang, CISC/GMU; Douglas Nebert

CHAIR(S): Douglas Nebert

Panelists: Douglas Nebert; Nadine Alameh; George Percivall, Open Geospatial Consortium; Zichichi Jessica; Chaowei Yang, CISC/GMU

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- 3517. Toward a Geographically Informed Foreign Policy for the United States: Reconnecting Geographers and Policy Makers (II) (Sponsored by American Geographical Society, U. S. Department of State, Office of The Geographer and Global Issues)**
Room: *Park Tower 8219, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Jerry Dobson, Department of State; Mary Lynne Bird, American Geographical Society
 CHAIR(S): Lee R. Schwartz, U.S. Department of State
 Panelists: Jerry Dobson, Department of State; Alexander B. Murphy, University of Oregon; Carmelle J. Terborgh, ESRI; Bill Colglazier, National Academy of Sciences; Jeremy Crampton, Georgia State University
- 3518. People and Protected Areas I -- India case studies (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Asian Geography Specialty Group)**
Room: *Park Tower 8222, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Monica V Ogra, Gettysburg College
 CHAIR(S): Monica V Ogra, Gettysburg College
2:40 Monica Ogra, PhD*, Gettysburg College, *Attitudes toward resolution of human-wildlife conflict (HWC) among forest-dependent agriculturalists near Rajaji National Park, India.*
3:00 Mitul Baruah, Masters in Environmental Studies*, SUNY College of Environmental Science and Forestry, Syracuse, *NGOs and institutional sustainability in Joint Forest Management: Case studies from Rajasthan..*
3:20 Sayali Ganesh Gokhale*, Texas State University San Marcos, *Sacred groves: Informal protected areas.*
3:40 Aghaghia Rahimzadeh*, University of California Berkeley, *Van Gujjar Nomadic Pastoralist Community and Biodiversity Conservation.*
4:00 Priyanka Ghosh*, University of Kentucky, *Forest Based Resource Extraction in the Sundarban Biosphere Reserve (SBR): A case study of struggle over access.*
- 3519. Fieldwork in an African Setting II (Sponsored by Health and Medical Geography Specialty Group, Africa Specialty Group, Graduate Student Affinity Group)**
Room: *Thomas Paine, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Ryan Zachary Good, University of Florida; Caroline Faria, Dartmouth College
 CHAIR(S): Caroline Faria, Dartmouth College
 Panelists: Sarah Paige; Amber L. Pearson, University of Washington; John S. Benson, Minnesota State University Moorhead; Anna Carla Lopez-Carr, San Diego State University; Danielson R. Kisanga, Miami University, Middletown, OH; Kimberly Medley, Miami University Ohio
- 3520. Climate Adaptation, Landscapes, and Institutions (CALI) VII (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Virginia Suite A, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Maria Carmen Lemos
 CHAIR(S): James P. McCarthy, Pennsylvania State University
2:40 Andrea Joslyn Nightingale, Dr.*, University of Edinburgh, *Researching a 'moving target': climate change, resources governance and post-conflict institutions in Nepal.*
2:55 Jesse C Ribot*, University of Illinois, *Producing Vulnerability: Access Control and Maintenance in a Sahelian Forest.*
- 3:10** Maria Carmen Lemos*, School of Natural Resources and Environment, University of Michigan, *Building Adaptive Governance under Climate Change: Knowledge, democracy and diversity in water management in Brazil.*
3:25 Susanne Freidberg*, Dartmouth College, *Food as Flowchart: The Strange New World of Carbon Footprinting.*
 Discussant(s): James P. McCarthy, Pennsylvania State University
- 3521. Climate Literacy 2 (Sponsored by Climate Specialty Group, Environmental Perception and Behavioral Geography Specialty Group, Geography Education Specialty Group)**
Room: *Virginia Suite B, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Dan Bedford, Weber State University
 CHAIR(S): Hillary Hamann, University of Denver
 Panelists: Susanne C. Moser, Susanne Moser Research & Consulting; Kirstin Dow, University of South Carolina; Susan Gallagher, Association of American Geographers; David Hassenzahl, University of Nevada, Las Vegas; Susan Buhr, CIRES/ University of Colorado; Frank Niepold, NOAA/UCAR
- 3522. Embodied, emotional and affective geographies of participation 2 (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Virginia Suite C, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Rachel Pain, University of Durham; Mike Kesby
 CHAIR(S): Mike Kesby
2:40 Sally Humphries, Dr. *, University of Guelph, *Emotional ties as motivation in farmer participatory research.*
3:00 Lauren Classen, PhD Candidate*, University of Toronto, *Analyzing the unspoken: Understanding the silence in youths' photographs in rural Malawi.*
3:20 Angharad Saunders*, University of Glamorgan; Angharad S.A Saunders, University of Glamorgan, *Absent Fear: envisioning a future geography.*
3:40 Amy Tweedy*, Syracuse University, *Connections and Tensions: Teaching Sex in the City.*
 Discussant(s): Geraldine J. Pratt, University of British Columbia
- 3523. Shedding Light on Human-Environment Interactions: Applications of Nighttime Satellite Imagery (Sponsored by Population Specialty Group, Geographic Information Science and Systems Specialty Group, Remote Sensing Specialty Group)**
Room: *Coolidge, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Benjamin Tuttle, University of Denver/ University of Colorado, Boulder; Paul C. Sutton, University of Denver
 CHAIR(S): Benjamin Tuttle, University of Denver/University of Colorado, Boulder
2:40 Paul C. Sutton, Sutton*, University of Denver; Tilotamma Ghosh, University of Denver; Sharolyn Anderson,, University of Denver; Christopher Elvidge,, NOAA National Geophysical Data Center, *Impervious Surface as a Spatial Proxy Measure of CO2 Emissions.*
3:00 Kristina Yamamoto*, University of Denver; Benjamin T Tuttle, University of Denver, CU-Boulder, *Regulating Nighttime Lights and Their Effects on Sea Turtles.*
3:20 Frank D. W. Witmer*, University of Colorado - Boulder, *The use of nighttime lights imagery to detect violence in the North Caucasus.*

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3:40 Tilottama Ghosh*, University of Denver; Christopher D. Elvidge, NOAA, NGDC, Earth Observation Group; Paul C. Sutton, University of Denver; Kimberly Baugh, NOAA, NGDC, Earth Observation Group; Rebecca L. Powell, University of Denver; Sharolyn Anderson, University of Denver, *Shedding Light on the Global Distribution of Economic Activity*.

4:00 Benjamin Tuttle*, University of Denver/University of Colorado, Boulder; Sharolyn Anderson, University of Denver; Paul Sutton, University of Denver; Chris Elvidge, NOAA/NGDC; Rebecca Powell, University of Denver; Kim Baugh, University of Colorado, Boulder, *Aladdin's Magic Lamp: Building an Active Calibration Target for the Defense Meteorological Satellite Program Operational Linescan System (DMSP OLS)*.

3524. Geospatial methods and applications for biodiversity monitoring and conservation: session 2 (Sponsored by Geographic Information Science and Systems Specialty Group, Biogeography Specialty Group, Remote Sensing Specialty Group)

Room: *Harding, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Tatiana Loboda, University of Maryland - College Park; Kelley J. O'Neal, University of Maryland
CHAIR(S): Tatiana Loboda, University of Maryland - College Park

2:40 Tatiana Loboda*, University of Maryland - College Park, *Developing a Quantitative Assessment of Habitat Suitability for the Amur Tiger from Qualitative Sources and Geospatial Data*.

3:00 Wendy Miller, Ph.D.*, SUNY Cortland, *Converting the New York State Herpetology Atlas to GIS Format*.

3:20 Minnie Wong*, University of Maryland; Diane Davies, University of Maryland; Giuseppe Molinaro, University of Maryland, *Delivering satellite-derived fire information for conservation: benefits and impacts*.

3:40 Alice Altstatt*, University of Maryland; Matthew Hansen, PhD, South Dakota State University; Jean-Robert Bwangoy, South Dakota State University; Erik Lindquist, UN FAO, *Satellite Monitoring of Congo Basin Forests for Conservation*.

4:00 Jesús A. Ugalde-Gómez*, Instituto Nacional De Biodiversidad (INBio), *Enhancing Knowledge for Establishing Ecosystem Conservation Priorities in the Neotropics by Integrating Biodiversity and Geospatial Data*.

3525. Locations

Room: *Hoover, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick

CHAIR(S): David Roberts, University of Toronto

2:40 David J Roberts*, University of Toronto, *World Cup City as World Class City: cloning, securitization and race in South Africa*.

3:00 Carolyn Finney*, University of California Berkeley, *How Sweet It Is: The Geography of a Black Imagination*.

3:20 Colin P Ashley*, CUNY Graduate Center; Michelle Billies*, Graduate Center of the City University of New York, *Spatialized and Embodied Threat: Queer People of Color and the Management of Homonormativity*.

3:40 Jarita Holbrook*, University of Arizona, *Creating Space for African American Astronomers*.

3526. Graduate Research on Latin America - I (Sponsored by Latin America Specialty Group)

Room: *Jackson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Taylor E. Mack, Louisiana Tech University
CHAIR(S): Taylor E. Mack, Louisiana Tech University

2:40 Daniel Ervin*, The University of Wyoming, *We Make it with Chocolate, We Make it with Chiles and Salt: Business Distribution in the Tourism Zone of Oaxaca, Mexico*.

3:00 Carolina De La Rosa*, University of Texas at Austin, *Environmental Governance and Implications of Small-scale Logging: the case of the indigenous groups in the Ampiyacu Basin in the Northeastern Peruvian Amazon*.

3:20 Michelle B. Switzer*, York University, *Friction on the Frontier: The Pulp Mill Conflict on the Uruguay-Argentina Border*.

3:40 Victoria L. Henderson*, Queen's University, *Who's Minding Elites? Mapping Political Economic Networks in Latin America*.

4:00 David Tecklin*, University of Arizona; Claudia Sepulveda, Universidad Austral de Chile, *Private Land Conservation in Chile: between policy panaceas and institutional innovation*.

3527. Re-Painting Urban Space

Room: *Jefferson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Susan Lucas, Temple University; Roman Cybriwsky, Temple University

CHAIR(S): Susan Lucas, Temple University

2:40 Guisela Latorre*, The Ohio State University, *The Chicana/o Mural Environment: Decolonizing Practices and the Urban Sphere*.

3:00 Stefano Bloch, Ph.D candidate*, University of Minnesota, Department of Geography, *Writing on the Walls: Four moments in the social and aesthetic history of the Sunset Boulevard retainer walls in Los Angeles..*

3:20 Suwathna Reel*, Temple University, *Repainting Urban Space: Comparing the Purpose, Structure, Form and Impact of Mural Programs in Philadelphia and Toronto, ON*.

3:40 Roman Cybriwsky*, Temple University, *Tokyo Graffiti and Posted Signs that Say "No-No" as Territorial Markers*.

4:00 Ilse Helbrecht, Prof.*, Humboldt University Berlin, *Re-writing Berlin: borders, resistance, graffiti*.

3528. Military Operations Supported by Geography

Room: *Johnson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Richard Medina, Oak Ridge National Laboratory

2:40 Mary Graham, York College of Pennsylvania; Richard D. Stone*, John L. Grove College of Business, Shippensburg University, *Battlefield Preservation Along the Confederacy's Northern Line of Defense West of the Appalachians*.

3:00 Patrick Abbott*, Kansas State University, *Geography of Religious Wars*.

3:20 Timothy Clark*, US Army Geospatial Center; Kevin Johnson, US Army Geospatial Center, *Web-based Geospatial Analysis in Support of Military Humanitarian Assistance Programs*.

3:40 Richard M Medina, Ph.D.*, Oak Ridge National Laboratory; Laura K Siebeneck, University of Utah; Ikuho Yamada, Ph.D., University of Utah; George F Hepner, Ph.D., University of Utah, *Spatial and Temporal Analysis of Terrorist Incidents in Iraq, 2007-2009*.

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Room: *Marriott Ballroom Balcony A, Marriott, Mezzanine Level* (Panel Session)

ORGANIZER(S): Kevin Ward, University of Manchester; David Imbroscio, University of Louisville

CHAIR(S): David Imbroscio, University of Louisville

Panelists: Allan Cochrane, Open University; David Imbroscio, University of Louisville; Deborah G. Martin, Clark University; Faranak Miraftab, University of Illinois; Clarence Stone, George Washington University

3530. Finding the Family in Geographical Research II (Sponsored by Geographic Perspectives on Women Specialty Group, Sexuality and Space Specialty Group)

Room: *Marriott Ballroom Balcony B, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Lauren Martin, University of Kentucky; Christopher Harker, Durham University

CHAIR(S): Christopher Harker, Durham University

2:40 Natalie Oswin*, McGill University, *Sexual tensions in modernizing Singapore: The postcolonial and the intimate.*

3:00 Margo Kleinfeld*, University of Wisconsin - Whitewater, *Exploitation at home: Examining victims of human trafficking within the transnational family.*

3:20 Kamalini Ramdas, Doctoral Candidate*, National University of Singapore, *Women in waiting?: Family, nation and single Indian Singaporean women.*

3:40 Brenda Yeoh, National University of Singapore; Lan Anh Hoang, PhD, Asian MetaCentre for Population and Sustainable Development Analysis; Theodora Lam*, National University of Singapore; Elspeth Graham, University of St Andrews, *Transnational Migration and Changing Care Arrangements for Left-behind Children in Southeast Asia: Understandings from the CHAMPSEA Study.*

Discussant(s): Susan M. Roberts, University of Kentucky

3531. Placing Place, Placing Food: Adventures in (Agri)Culture II

Room: *Marriott Ballroom Balcony C, Marriott, Mezzanine Level* (Panel Session)

ORGANIZER(S): Benjamin Coles, University of Sheffield

CHAIR(S): Benjamin Coles, University of Sheffield

Panelists: Lucius Hallett, IV, Western Michigan University; Kirsten Valentine Cadieux, University of Minnesota; Benjamin Coles, University of Sheffield; J. Christopher Brown, University of Kansas; Dorothea KLEINE, University of London

3532. Land Use in Latin America

Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Marco Millones, Clark University

2:40 Santiago Lopez*, George Washington University; Rodrigo Sierra, Ph.D., Ecociencia, *A Resource Demand Model of Indigenous Production: the Jivaroan cultivation systems of Western Amazonia.*

3:00 Andrew Reid Bell*, University of Michigan, *Climate Change and Licensing in Rondônia: Fueling a rural exodus?.*

3:20 Neeti Neeti*, Clark University; John Rogan, Clark University; Marco Millones, Clark University; Zachary Christman, Clark University; Laura Schneider, Rutgers, The State University of New Jersey, *Assessment of seasonal and inter-annual variation in NDVI in the Yucatán Peninsula, Mexico (1982 - 2000).*

3:40 Daniel Harris, Salisbury University; Jill Caviglia-Harris*, Salisbury University, *The Impact of Settlement Design on Tropical Deforestation Rates and Spatial Patterns.*

4:00 Marco Millones*, Clark University, *Land change, commodity flows and regional consumption in the Mexican Yucatan.*

3533. Indigenous Peoples and Protected Areas II: New Paradigm Conservation: Indigenous Peoples, Protected Area Governance, and Indigenous Rights (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

Room: *McKinley, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Stan Stevens, University of Massachusetts

CHAIR(S): Stan Stevens, University of Massachusetts

2:40 Stan Stevens*, University of Massachusetts, *New Paradigm Protected Areas: Conceptions, Standards, and Strategies.*

3:00 Igoe James*, Dartmouth College, *Shifting Paradigms, Indigeneity, and Neoliberal Conservation in Tanzania's Northern Tourist Circuit.*

3:20 Derick A Fay, Ph.D.*, UC Riverside, *The Unsettled Settlement: Conservation, Tourism and Land Rights at Dwesa-Cwebe, South Africa, Nine Years after Land Restitution.*

3:40 Janet M. Chernela, Ph.D.*, University of Maryland, *Building (Not Finding) the Middle Ground: The Indigenous Kayapo and International Environmental NGOs in the Southeastern Amazon of Brazil.*

4:00 Peter Poole, Dr*, Local Earth Observation, *Becoming Contenders: A Competence-Based Strategy for Defending Ancestral Territories.*

3534. Energy Policies

Room: *Taft, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rolf Sternberg, Montclair State University

2:40 James L. Mulvihill*, California State University - San Bernardino, *Locating Renewable Power: Placing Limits on Choice..*

3:00 Young-Doo Wang, University of Delaware; Sung Goo Kang*, University of Delaware, *Impact of a Sustainable Energy Policy on Water Savings in Delaware.*

3:20 Young-Doo Wang, Center for Energy and Environmental Policy, University of Delaware, Newark, Delaware; Wei-Ming Chen*, Center for Energy and Environmental Policy, University of Delaware, Newark, Delaware; Patrick E. Meyer, Center for Energy and Environmental Policy, University of Delaware, Newark, Delaware; Yong Kyu Park, Center for Energy and Environmental Policy, University of Delaware, Newark, Delaware; Iraklis Argyriou, Center for Energy and Environmental Policy, University of Delaware, Newark, Delaware; Tingting Han, Center for Energy and Environmental Policy, University of Delaware, Newark, Delaware, *New and Renewable Energy Policies in the United States and European Union and their Implications for the Development of a Carbon-Free Jeju Province of South Korea.*

3:40 Emily Fisher*, Johns Hopkins University; Erica Schoenberger, Professor, Johns Hopkins University, *Regulatory Fragmentation in the US Electricity Industry.*

4:00 Rolf Sternberg*, Montclair State University, *Hydroelectricity on Wings of Transition.*

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3535. Environmental Impacts, Equity and Decisionmaking

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alicia Torregrosa, United States Geological Survey

2:40 Anuradha Gupta*, University of Hawaii at Manoa, *Equit considerations in conservation.*

3:00 Nicole Becker, MEnv (Environmental Assessment) Candidate*, Concordia University; Kevin Gould, PhD, Concordia University, *Knowing Environmental Impact Assessment: A Discourse Analysis of the Brunswick Pipeline Project.*

3:20 Tracy Van Holt, Ph.D.*, East Carolina University; Jeffrey C. Johnson, Ph.D., East Carolina University, *A social network approach to understand the social structure of natural resource use and its socio-economic drivers..*

3:40 Scott A. Carlin, Ph.D.*, C.W. Post Campus, Long Island University, *From Global Crisis to Ecological Worldview.*

4:00 Alicia Torregrosa*, United States Geological Survey; Theresa Mathiasmeier, USGS, *Knowledge landscapes and collaborative conservation planning.*

3536. Forests dynamics in Eastern North America (Sponsored by Biogeography Specialty Group)

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): David Goldblum, Northern Illinois University

CHAIR(S): David Goldblum, Northern Illinois University

2:40 Lesley Rigg*, Northern Illinois University; David Goldblum, Northern Illinois University; Matthew C Kwit, Northern Illinois University, *Modeling the Future of Sugar Maple at its Northern Limit: 2060 Here We Come.*

3:00 David Goldblum*, Northern Illinois University; Matthew C Kwit, Northern Illinois University, *The Relative Photosynthetic Contribution (Carbon Gain) of Old and New Fronds of the Wintergreen Fern Dryopteris carthusiana, Ontario, Canada.*

3:20 Georgina G DeWeese*, University of West Georgia; Henri D Grissino-Mayer, University of Tennessee, Knoxville; Charles W Lafon, Texas A&M University; Serena R Aldrich, Texas A&M University, *Evaluating the Influence of Multi-Decadal Oscillations on Central Appalachian Yellow Pine Stands.*

3:40 C. Mark Cowell*, University of Missouri, *Vegetation dynamics of a loess bluff forest within the Missouri River Hills.*

4:00 Jameson Loesch*, Northern Illinois University; Lesley Rigg, Northern Illinois University; David Goldblum, Northern Illinois University, *Competition in the regeneration niche: balsam fir and sugar maple in the boreal/deciduous forest ecotone, Ontario, Canada.*

3537. Urban Geography Plenary Lecture: The Politics of Urban Neoliberalism's Travels (Sponsored by Urban Geography Specialty Group)

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Robert W. Lake, Rutgers University; James DeFilippis, Rutgers University

CHAIR(S): Robert W. Lake, Rutgers University

Introducer: James DeFilippis

Introducer: Robert W. Lake

2:55 Jennifer Robinson*, University College London, *The Politics of Urban Neoliberalism's Travels.*

Discussant(s): Patricia Ehrkamp, University of Kentucky; Carolyn Cartier, University of Technology, Sydney

3538. To Protect and Serve: Critical Investigations into America's Nature-Culture Dialectic Session III (Sponsored by Recreation, Tourism, and Sport Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yolonda Youngs, Oklahoma State University; Geoffrey L. Buckley, Ohio University

CHAIR(S): Terence Young, California State Polytechnic University-Pomona

2:40 Kevin Blake*, Kansas State University, *Postcards of the Crown Jewel of Rocky Mountain National Park.*

3:00 Katie Algeo, Ph.D.*, Western Kentucky University, *Dark Visions: Cave Promotion and Visual Media.*

3:20 Yolonda Youngs*, Oklahoma State University, *Nature Revised: Postcard Representations of the Grand Canyon.*

3:40 James E Wells, MA*, Kansas State University, *Twenty Five Years of Change in Parks and Protected Areas of the American West.*

Introducer: Terence Young

3539. Regional Geography: Universities and Their Vicinities

Room: Thurgood Marshall WEST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Susan Lee Robertson, University of Bristol

2:40 Geoffrey Boyce*, University of Arizona; Conor J Cash, University of Arizona, *Organizing Against Precarity in the Crisis University.*

3:00 Richard Simpson*, Stanford University, *Campus and Cosmopolitanism at Leland Stanford Jr., University.*

3:20 Clayton Kie*, Columbus State Community College, *Education and Regional Convergence.*

3:40 Tatyana Kaminskaya*, *The University as a Stimulus of Development of a Region in Times of Crisis.*

4:00 Susan Lee Robertson, Professor*, University of Bristol; Fumi Kitagawa, University of Bristol, *City-Regions, Knowledge Economies and Universities.*

3540. Food - Innovations in Africa, Asia, and Latin America

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Doris Garcia, Louisiana State University

2:40 Morgan LaManna, B.A.*, San Francisco State University, *Dairy Culture: The Quaker Introduction of Dairy Farming in Costa Rica.*

3:00 Markus Keck*, Geography Department, University of Bonn, *Measuring Microeconomic Resilience - Business Disturbances and Recovery among Food Wholesalers in Dhaka, Bangladesh.*

3:20 Maribel Elias*, IFPRI; Maximo Torero, IFPRI, *Geographical Association as an Alternative for Diffusion in the Peruvian Traditional Agriculture.*

3:40 William Y. Osei, Ph.D.*, Algoma University College, *Sustainable agriculture: changes and adaptations in rural Ghana.*

4:00 Doris Garcia*, *Space, Culture, and the Garinagu Land Rights Struggle in Honduras.*

FRIDAY, APRIL 16 • 2:40 PM - 4:20 PM • 3500**3541. The Urbanization of the Amazon Basin: current issues of development, the environment, cities and networks.***Room:* Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Juan Miguel Kanai, University of Miami; Tatiana Schor, Federal University of Amazonas

CHAIR(S): Juan Miguel Kanai, University of Miami

2:40 Tatiana Schor*, Federal University of Amazonas; Danielle Pereira da Costa, Universidade do Estado do Amazonas, *Riverine Cities: policentrism in the urban network on the mainstream of the river Solimões-Amazonas?***3:00** Rafael Silva Oliveira, Rafael Oliveira*, Universidade Federal de Roraima (Brazil), *From micro-smuggling to multi-territoriality: Cross-border relational dynamics between Pacaraima, Brazil and Santa Elena de Uairén, Venezuela.***3:20** Juan Miguel Kanai*, University of Miami; Rafael Oliveira, Federal University of Roraima; Paulo Rogerio de Freitas Silva, Dr., Federal University of Roraima, *Globalization and the Restructuring of Roraima's City System.***3:40** Oliver T. Coomes*, Department of Geography, McGill University; Yoshito Takasaki, Graduate School of Humanities and Social Sciences, University of Tsukuba, Tsukuba, Japan; Jeanine Rhemtulla, Department of Geography, McGill University, *Tropical forests and asset poverty dynamics: exploring the links in an Amazonian village.***3542. Everyday Places in North America 4: Landscapes of African American History (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)***Room:* Wilson A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): James A. Hanlon, Southern Illinois University Edwardsville; Christopher W. Post, Kent State University - Stark Campus

CHAIR(S): Christopher W. Post, Kent State University - Stark Campus

2:40 Karen D. Johnson-Webb, Ph.D.*, Bowling Green State University, *Rural Black Landscapes in the Midwest USA.***3:00** Nadia Bukach*, University of Richmond, *Richmond's Black Businesses: Geographies of Race in a Southern Post Civil War City.***3:20** James A. Hanlon*, Southern Illinois University Edwardsville, *Crossing Greenwood: Racial Segregation, Social Progress, and Urban Decline in a Louisville Neighborhood.***3:40** Blake Harrison*, Southern Connecticut State University, *Working in the Shade: Race and Landscape in Connecticut's Mid-Twentieth-Century Tobacco Valley.*

Discussant(s): Richard H. Schein, University of Kentucky

3543. Assembling 'parts of elsewhere' II: Learning, twinning and mobilities (Sponsored by Urban Geography Specialty Group)*Room:* Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Eugene McCann, Simon Fraser University; Kevin Ward, University of Manchester

CHAIR(S): Nick Clarke, University of Southampton

2:40 Laurence Crot, Dr.*, University of Neuchâtel, *Sustainable urbanism in motion: the adoption of One Planet Living communities in the United States and the United Arab Emirates.***3:00** Jon R. Binnie, Dr.*, Manchester Metropolitan University, *Learning from Leiden: City Twinning and the Production of Transnational Solidarity in Lesbian, Gay, Bisexual and Transgender Politics.***3:20** Nick Clarke*, University of Southampton, *Mobilising Policies through Interurban Partnerships.***3:40** Eugene McCann*, Simon Fraser University, *Drug Consumption Rooms: Policy Mobilities, Urban Politics, and Public Health.***4:00** Colin McFarlane*, Durham University, *Urban learning assemblages: translocalism and participation.***3544. Place Name Geography & Historical Analysis III***Room:* Wilson C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Pavel Ilyin, United States Holocaust Memorial Museum

2:40 Pavel Ilyin*, United States Holocaust Memorial Museum, *Toponymic Nationalism in Ukraine 1944-1946.***3:00** Fahui Wang*, Louisiana State University; Guanxiong Wang, Capital Normal University, Beijing; Wei Luo, Northern Illinois University; John Hartmann, Northern Illinois University, *Sinification of Zhuang Place Names in Guangxi, China: A GIS-Based Spatial Analysis Approach.***3:20** Stephan Fuchs*, University of Erlangen-Nuremberg, *German Place Names in the American Midwest.***3:40** Marin Petrov Marinov*, *The place names of school atlas of Hoelzel Company and problems case of their transliteration on Cyrillic version in Bulgarian language.***4:00** Mark A. Butman, M.A.*, African Wildlife Foundation, *Does a placename actually reflect how a community practices its core values? The case study of "Peace Island" in Monrovia, Liberia.***3545. Topics in Climatology***Room:* Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Christopher Andrew Day, Texas State University-San Marcos

Josh Durkee*, Western Kentucky University; John Knox, University of Georgia; Christopher Fuhrmann, University of North Carolina-Chapel Hill; John Frye, Kutztown University, *A Dynamical analysis of ageostrophic wind contributions in non-convective high wind events.*Anna Trevino*, Louisiana State University; David P Brown, Louisiana State University, *A framework for investigation of urban influence on precipitation and storm bifurcation in the southeastern United States.*Philip W. Suckling*, Texas State University-San Marcos; Anthony J. Brazel, Arizona State University, *An Assessment of Urban-Rural Differences for Incoming Solar Radiation in Central Arizona.*Laura Elizabeth McGowan*, University of Delaware; Brian Hanson, Ph.D., University of Delaware; Daniel J. Leathers, Ph. D., University of Delaware, *Atmospheric changes during a Nor'easter due to snowcover in the Northeast United States.*David P Brown*, Louisiana State University, *Case Study of the Record May 2008 Arizona Rainfall Event.*Charles M. Yost*, Louisiana State University; David P. Brown, Louisiana State University, *Climate Division Precipitation Anomalies Under a Varying PDO Diagnostic Framework.*TJ Malone*, Western Kentucky University; Joshua D. Durkee, Western Kentucky University, *Convective vs. Non-Convective Wind Events: A WRF-Based Comparison.*Randall S. Cerveny*, Arizona State University; Matthew B Pace, Arizona State University; Kimberly DeBiasse, Arizona State University; Robert C. Calling, Arizona State University; Andrew W. Ellis, Arizona State University, *Revitalization of Namias' Climatological Isentropic Analysis.*

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- Jessie McCann*, LSU; David Brown, LSU, *Synoptic typing of circulation anomalies associated with the North American Monsoon, 1948-2008*.
- Joshua Will, S&A Property, Parkersburg, WV; Dorothy Sack*, Ohio University, *Temperature Trends and Their Controls in an Appalachian Frost Hollow, Southeastern Ohio*.
- Anthony Njuguna Macharia, Mr.*, University of Utah, *Climatic and anthropogenic influences on lake nutrient dynamics: An insight from 15N natural abundance of Utah Lake and Foy-Lake sedimentary profiles*.
- Frederick B. Chambers, Ph.D.*, University of Colorado, Denver; Jon Barbour, Ph.D., University of Colorado, Denver; John W. Wyckoff, Ph.D., University of Colorado, Denver, *Preliminary Results of Changing Phenology Along the 100th Meridian, West*.
- Barry D. Keim*, Louisiana State University; Robert A. Muller, Louisiana State University, *Hurricanes of the Gulf of Mexico*.
- Susan Eileen Street*, Texas State University, *Twentieth Century Trends in Texas Precipitation*.
- Ian Jacob Comstock*, University of Alabama; Jason C Senkbeil, University of Alabama, *Characteristics of Convective Precipitation Areas in Land-falling Hurricanes*.
- Patrick Shane Cleary*, University of Nevada, Reno; S. Jeffrey Underwood, PhD, University of Nevada, Reno, *Spatial Distribution of Convective Activity in the Las Vegas Valley in Relation to the Urban Footprint*.
- Laura Becker*, University of Georgia, *Effects of Tropical Cyclone Damage on the Climate of the U.S. Gulf Coast*.
- Ginger M. Kelly, Department of Geography and Planning*, Appalachian State University; L. Baker Perry, Department of Geography and Planning, Appalachian State University; Brett F. Taubman, Department of Chemistry, Appalachian State University, *Southeast Flow Precipitation in the Southern Appalachian Mountains: Topographic Influences and Aerosol-Precipitation Interactions*.
- Michael J Roberts*, LSU - Geography and Anthropology Department; Barry D Keim, LSU - Geography and Anthropology Department, *Dry Event Trends and Frequencies in the South Central United States*.
- Stephen Feetham*, University of South Carolina, *Spatial and Temporal Trends in Cirrus Cloudiness over the United States: Changing Relationships with Surface Temperature (1948-1994)*.
- Jeffrey Morrow*, Kutztown University; John D Frye, Ph.D., Kutztown University, *A Climatology of Tornadoes in the Northeastern United States*.
- Desirae Hoffman*, Arizona State University; Darren Ruddell, Arizona State University; Omayya Ahmad, Arizona State University, *Historical Temperature Trends in Phoenix, Arizona from 1896-2009*.
- Rebecca Kim Parylak*, Kent State University, Kent OH, *The Spatial and Temporal Patterns of Precipitation in Central and South Texas*.
- Todd W. Moore*, Texas State; Richard W. Dixon, Texas State, *A Climatology of Tornadoes Associated with Gulf Coast-Landfalling Hurricanes (1950-2005)*.
- Melissa Koeka Phillips*, Kent State University, *A Hot-Spot Analysis of Climate Variation in the United States Using Natural Hazard Data*.
- Casey C Kahn-Thornbrugh, MA*, University of Arizona, *Understanding the North American Monsoon: Learning from Tohono O'odham and Climatology-based Knowledge*.

- Ashley Sedorovich*, Mississippi State University; P. Grady Dixon, Assistant Professor, Mississippi State University, *Climatological Variables Associated with Increased Mortality Rates for Diseases Predominant During the Cold Season*.
- Heather R Hyre*, Mississippi State University; Jamie L Dyer, Ph.D., Mississippi State University, *An Investigation of Mesoscale Convective Boundaries across Maryland and Delaware*.
- John D Frye*, Department of Geography, Kutztown University; Jeff Morrow, Kutztown University, *The Establishment of a Soil Moisture Monitoring Network for Remote Sensing and Meteorological Applications*.
- Michael J. Keables*, University of Denver, *Hydroclimatic Variability in the Great Plains*.
- Christopher Andrew Day*, Texas State University-San Marcos, *Projecting Future Local Hydroclimatology for the Animas River Basin, Colorado: A Statistical Downscaling Approach*.

3546. Hazards, GIS, and Decisions

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alessandra Bianchi

2:40 Nicole Simons*, San Diego State University; Gernot Paulus, Carinthia University of Applied Sciences, Villach, *Forest fire severity mapping using satellite imagery and GIS for Carinthia, Austria*.

3:00 Mathew A. Hay, M.A.*, *A Geospatial Analysis of Indoor Radon Gas Distribution in Marquette County, Michigan*.

3:20 Reginald S. Archer*, University of California Santa Barbara, *Remote Sensing Feature classification of long term disaster recovery indicators in post-Katrina New Orleans*.

3:40 Alessandra Bianchi*, C.I.R.A.M. Interdepartmental Centre for Environmental Research, University of Napoli Federico II and OEP European Landscape Observatory of Arco Latino, *Environmental risk management plan - A decision-making model for natural hazards*.

4:00 Donald J. Berg*, South Dakota State University, *South Dakota's Dust Bowl Disaster: The Northern Great Plains during the Dirty '30s*.

3547. Exploring the Geographies of Food III (Sponsored by Economic Geography Specialty Group, Qualitative Research Specialty Group, Rural Geography Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): John R. Grimes, Eastern Kentucky University; Kathryn Morrison, University of Victoria

CHAIR(S): Garrett Graddy, University of Kentucky

2:40 John R. Grimes*, Eastern Kentucky University, *Considering "Food" as a Topic of Geographic Research*.

3:00 Kelsey Brain*, Portland State University, *The Transnational Networks of Cultural Commodities: Peruvian Food in San Francisco*.

3:20 Rachel Berndtson*, University of Maryland, *The Role of Food in Environmental and Cultural Sustainability*.

3:40 Sarah W James*, University of Western Sydney, *Towards a more reflexive localism: sustaining Sydney's peri-urban market gardens*.

4:00 Amy Trauger*, University of Georgia; Andrew Murphy, Massey University, *Organic Banana Republic: Unpacking Power in the Organic Banana Commodity Chain*.

FRIDAY, APRIL 16 • 2:40 PM - 4:20 PM • 3500**3548. Geographies of the hidden citizen 2 (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Rhys Dafydd; Sarah Mills

CHAIR(S): Rhys Dafydd

2:40 Elaine Lynn-Ee Ho, Dr.*, University of British Columbia, *Navigating citizenship over the life-course: Citizens caught between two life-worlds.*

3:00 Sarah Mills*, Aberystwyth University, *"Instruction in Good Citizenship": Boy Scouts and Communism in 1950s Britain.*

3:20 Kirsi Pauliina Kallio, Dr.*, University of Tampere, *Banal citizenship performances: identifying children's and young people's mundane politics.*

3:40 Elen-Maarja Trell, MSc*, University of Groningen; Bettina van Hoven, dr., University of Groningen; Paulus Huigen, prof. dr., University of Groningen, *Performing citizenship. Everyday political-spatial experiences of youth in rural Estonia.*

Discussant(s): Peter E Hopkins, Newcastle University, UK

3549. 'Best Practices' in the Teaching of the Geography of Food and Agriculture (Sponsored by Cultural and Political Ecology Specialty Group, Geography Education Specialty Group)

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Antoinette M.G.A. WinklerPrins, Michigan State University

CHAIR(S): Antoinette M.G.A. WinklerPrins, Michigan State University

2:40 Antoinette M.G.A. WinklerPrins*, Michigan State University, *Teaching the Geography of Food and Agriculture: Challenges and Prospects.*

2:45 Michael W Kerwin, Ph.D.*, University of Denver, *Does Teaching "The Geography of Food" Require a Kitchen?*

2:50 Autumn Long*, Department of Geology & Geography, West Virginia University, *Mushrooms, Moonshine, and Maple Syrup: Pedagogical Entry Points and the Geography of Food.*

2:55 Nicholas Bauch*, University of California - Los Angeles, *Undergraduate Research Seminar in Geography of Food and Agriculture.*

3:00 D. L. Baylis*, Michigan State University, *Effective Cartographic Design Techniques for Representing Food and Agriculture Data in the Classroom.*

3551. Human Impacts on Watershed Processes 2 - Fluvial Geomorphic Processes (Sponsored by Water Resources Specialty Group, Geomorphology Specialty Group, Mountain Geography Specialty Group)

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

ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA; Yong Q Tian, University of Massachusetts - Boston

CHAIR(S): Yong Q Tian, University of Massachusetts - Boston

2:40 Joshua C. Galster*, Montclair State University; Jonathan Cutler, Montclair State University; Jared Lopes, Montclair State University, *Quantifying the Impacts of Urbanization on River Channels Using Historic Aerial Photographs and GIS.*

3:00 Kirsten J Hunt*, University of South Carolina; P. Dan Royall, University of North Carolina - Greensboro, *Use of LiDAR Data in Defining the Urban-Rural Transition Zone in Stream Cross-Section Morphology.*

3:20 Suzanne C. Walther*, University of Oregon; Patricia F. McDowell, University of Oregon; W. Andrew Marcus, University of Oregon, *The impacts of a run-of-river dam and diversion canals on sediment distribution on the McKenzie River, Oregon.*

3:40 Alex Henshaw, BSc, PhD*, University of Nottingham, *Impacts of upland agricultural land management on sediment dynamics in the Pontbren catchment, mid-Wales, UK.*

4:00 Peter Houben*, Department of Physical Geography; Goethe University Frankfurt, Germany, *Long-Term Human-Environment Interactions, Learned from a 5000-Years Sediment Budget of a Loess Basin (Germany).*

3552. Locating the Border (Sponsored by Political Geography Specialty Group)

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

ORGANIZER(S): Reece Jones, University of Hawaii at Manoa; Corey Johnson, University of North Carolina - Greensboro

CHAIR(S): Corey Johnson, University of North Carolina - Greensboro

Introducer: Reece Jones

Panelists: Louise Amoore, Durham University; Anssi Paasi, University of Oulu; Mark Salter, University of Ottawa; Alison Mountz, Syracuse University; David Newman, Ben-Gurion University

3553. Finance at crossroads and its geographies IV: Big questions for the future

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

ORGANIZER(S): Dariusz Wojcik, Oxford University Centre for the Environment; Gordon L. Clark, University of Oxford

CHAIR(S): Gordon L. Clark, University of Oxford

2:40 Diane Perrons*, London School of Economics, *Global financial crisis, earnings inequalities and gender: towards a more sustainable model of development.*

3:00 Philip Sarre*, The Open University, UK, *Re-thinking the Washington Consensus.*

3:20 Philip Ashton*, University of Illinois-Chicago, *The Financial State of Emergency & New Configurations of Risk.*

3:40 Gordon L. Clark*, University of Oxford, *Time/Space Myopia.*

Discussant(s): Dariusz Wojcik, Oxford University Centre for the Environment

3554. Indigenous Space: Knowledge, Territoriality, and Autonomy

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

ORGANIZER(S): Program Committee

CHAIR(S): Tibusungu'e Vayayana, National Taiwan Normal University

2:40 Andrew Curley*, Development Sociology, Cornell University, *How the Navajo resisted state-making in the U.S. Southwest.*

3:00 Brian Ballantyne*, Surveyor General Branch, Natural Resources Canada; Steven Rogers, Surveyor General Branch, NRCAn, *Boundary-metrics: Questioning conventional wisdom about Aboriginal parcels.*

3:20 vayayana 'e tibusungu*, National Taiwan Normal University, *Indigenous knowledge-based post disaster reconstruction: Indigenous environmental education reform toward autonomy.*

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- 3555. CGSG Marquee Session featuring Bret Wallach: "Just Look: A Paper Without A Subtitle" (Sponsored by Cultural Geography Specialty Group)**
Room: *Washington Room 5, Marriott, Exhibition Level* (Panel Session)
 ORGANIZER(S): Soren Larsen, University of Missouri
 CHAIR(S): Soren Larsen, University of Missouri
 Introducer: Soren Larsen
 Discussant(s): Bret Wallach, University of Oklahoma
 Panelists: Bret Wallach, University of Oklahoma
- 3556. Narrative Cultural Geographies**
Room: *Blue Room, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Miriam Warner, University of Massachusetts Amherst
2:40 Perla Zusman*, University of Buenos Aires, Argentina, *North American Landscapes-Pan American Landscapes: Theodore Roosevelt's Trip to The Northern Patagonia (1913).*
3:00 Miriam Claire Warner*, University of Massachusetts Amherst, *Geo-graphies: performing urban economic spaces and the story teller of Cairo.*
- 3560. Spatial Analysis IV: Personal Behavior**
Room: *Chairman, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Haojie Zhu, University of Utah
2:40 Matteo Gismondi*, Graduate School of Life and Environmental Sciences, Division of Spatial Information Science, University of Tsukuba, Japan, *Spatial Analysis of the Behaviour of Residents after the 2004 Chuetsu Earthquake. A Case Study of Kawaguchi Village, Japan..*
3:00 Hyeyoung Kim*, Dept. of Geoinformatics, University of Seoul; Chulmin Jun, Dept. of Geoinformatics, University of Seoul, *An indoor crowd simulation considering the visual factor.*
3:20 Yitu Xu*, University of Tennessee, Knoxville; Shih-Lung Shaw, University of Tennessee, Knoxville, *A location-based Spatial-Temporal GIS Model for meeting scenario analysis.*
3:40 Haojie Zhu*, Arizona State University; Paul Torrens, Dr., Arizona State University; Xun Li, Arizona State University, *A Geographic Automata System for Pedestrian Shopping Behavior.*
4:00 James S Waynick*, Appalachian State University; Christopher Badurek, PhD., Appalachian State University, *Spatial Analysis of Campus Crime and Surveyed Perceptions of Safety to Inform Environmental Design and Emergency Management.*
- 3563. Spatial Data Mining and Exploratory Data Analysis (3) (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: *Council, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Diansheng Guo, University of South Carolina; Harvey J. Miller, University of Utah
 CHAIR(S): Jeremy Mennis, Temple University/Department of Geography and Urban Studies
2:40 Lan Mu*, University of Georgia, *An Exploratory Spatial Analysis of Cyber-Behavior of Disease.*
3:00 Mona Kashiha*, Department of Geography and Earth Sciences, UNC Charlotte; Jean-Claude Thill, Department of Geography and Earth Sciences, UNC Charlotte, *Information Extraction from a Large Unstructured Address Database for Geocoding Purposes.*
- 3:20** Tim Edgar*, University of Utah; Ikuho Yamada, University of Utah, *Comparison of top-down and bottom-up approaches to detect significant changes in multiple time series data.*
3:40 Zhenyu Lu*, ZL; Jungho Im, IMJ, *Object-based Change Detection Using Disparate Remote Sensing Data Sources.*
4:00 Dana Bauer*, Avencia Incorporated; Jeremy Mennis, Temple University, *A Geographically-Weighted Regression Analysis of Green Space and Socioeconomic Character in the Delaware Valley.*
- 3564. The Changing Middle East**
Room: *Diplomat, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Benjamin N. Smith, Florida International University
2:40 Ahmad K BinTouq, Dr.*, UAE University, *GIS diffusion in the Government of Dubai.*
3:00 John Lauermann*, University of South Carolina, *Developing the Yemeni Qat Industry: Linking Hegemony and Governmentality.*
3:20 Benjamin N Smith*, Florida International University, *The Changing Nature of Good Times in Bahrain.*
3:40 Quentin A Stubbs*, *Cedars of Lebanon: Denudation, Land Use Change, and Environmental Stewardship.*
- 3565. Urbanity and mobilities: Geographies of higher education**
Room: *Director's, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Subhadra Roy, Queen Mary, University of London
 CHAIR(S): Subhadra Roy, Queen Mary, University of London
2:40 Subhadra Roy*, Queen Mary, University of London, *Cityscapes: Indian student identities in London and Toronto.*
2:55 Johanna L. Waters, Dr*, University of Liverpool; Maggi Leung, Dr, University of Hong Kong, *Transnational students and (im)mobilities in Hong Kong.*
3:10 Ana Mosneaga, PhD Fellow*, Department of Geography & Geology, University of Copenhagen; Jytte Agergaard*, Associate Professor, Department of Geography & Geology, University of Copenhagen, *Agents of internationalisation? Danish universities' practices for attracting international students.*
3:25 Peter Meusburger*, University of Heidelberg, *Careers and mobility of university professors in 19th century. The case of Heidelberg University.*
3:40 Heike Joens*, Loughborough University, *Is there a gender gap in academic mobility? Comparing experiences of visiting researchers from different sociocultural contexts.*

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- 3566. Across Borders: Moving Toward Sustainable Resource Management at the Nexus of Water, Climate, Environment, and Governance in the Americas (Sponsored by Water Resources Specialty Group, Human Dimensions of Global Change Specialty Group, Latin America Specialty Group)**
Room: *Embassy, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Gregg Garfin, University of Arizona; Barbara Morehouse
 CHAIR(S): Gregg Garfin, University of Arizona
2:40 Christina L Cook, BSc, LL.B., PhD Candidate*, University of British Columbia; Karen Bakker, PhD, University of British Columbia, *The Emerging Paradigm of Water Security*.
3:00 Sarah Michaels, PhD*, University of Nebraska; Michael W. Gruszczynski, PhD student, University of Nebraska, *Within-country decision making, cross-border environmental implications*.
3:20 Margaret Wilder, Ph.D.*, University of Arizona; Christopher A. Scott, University of Arizona; Nicolas Pineda, El Colegio de Sonora; Robert G. Varady, University of Arizona; Gregg M. Garfin, University of Arizona; Jamie McEvoy, University of Arizona, *Vulnerability and Adaptation in a Transboundary Context: Binational Approaches to Assessing Urban Vulnerability and Adaptation in the U.S.-Mexico Border Region*.
3:40 Barbara Morehouse*, The University of Arizona, *Politics Matter: Science, Observation Networks and Environmental Governance*.
4:00 Gregg Garfin*, University of Arizona, *Translational Environmental Research to Provide Decision and Discussion Support in North America's Border Regions*.
- 3567. Greening the City I: Environment, Economy, and Urbanization (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Empire, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Julie Cidell, University of Illinois
2:40 Ian C Mell*, University of Newcastle, *Green Infrastructure planning - integrating connectivity and multi-functionality with linear and large scale landscape developments*.
3:00 Wolfgang Hoeschele*, Truman State University, *Green Solidarity Community Abundant Economy and Political Ecology: Can they generate a shared urban agenda?*.
3:20 Sandra R. Baptista, PhD*, The Earth Institute at Columbia University, *Adapting to Urban Climate Risk in Coastal Brazil*.
3:40 Michael Porter*, Graduate Center of the City University of New York, *Conflicting spatialities of brownfield development*.
4:00 Kimberly A. Blair*, Northeastern Illinois University, *The New Green Chicago: Urban ecotourism and an Uneven Playing Field*.
- 3570. Geography Education: Curriculum and Instruction**
Room: *Hampton, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Alex Oberle, University of Northern Iowa
2:40 Shelagh Barbara Waddington, BSc, MA, PhD*, National University of Ireland Maynooth, *Active learning, critical engagement and large numbers: developing geographical thinking*.
3:00 Cheryl A. Frazier*, Texas State University-San Marcos, *Influence of Educational Background on Map Literacy Beliefs and Teaching Practices*.
3:20 Lisa M. DeChano-Cook*, Western Michigan University, *Teachers' views of Michigan's Social Studies Grade Level Content Expectations*.
3:40 David James Mitchell, Mr*, Institute of Education University of London, *Futures Thinking - the role of School and Geography*.
4:00 Alex Oberle*, University of Northern Iowa, *An International Curricular Development Project for K-12 Geography Educators*.
- 3571. Tourism and Place**
Room: *Palladian, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Saad Alhussein, King Saud University
2:40 Theodore L. Goudge*, Northwest Missouri State, *Sunbelt vs. Snowbelt: The Geography of Major College Baseball Player Origins and Success*.
3:00 Benjamin D Lisle*, University of Texas at Austin, *"No Longer Snug in a Shoebox": The Suburban Virtues of the Modern Stadium*.
3:20 Mark Moody*, Western Michigan University; Mark Andrew Moody, Masters Student, Western Michigan University, *NASCAR Demographics and Attraction Power*.
3:40 Jeffrey S. Boggs, Ph.D.*, Brock University, *Describing and explaining geographical and temporal patterns of book fairs: the case of Canada, North American and the world*.
4:00 Saad Alhussein*, King Saud University, *Impact of Public Transportation Upon Tourism Development In The Kingdom of Saudi Arabia*.
- 3572. New Geographies of Accessibility (Sponsored by Transportation Geography Specialty Group)**
Room: *Senate, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Joe Weber, University of Alabama; Selima Sultana, University of North Carolina-Greensboro
 CHAIR(S): Joe Weber, University of Alabama
2:40 Heidi Määttä-Juntunen*, University of Oulu, Department of Geography; Harri Antikainen, University of Oulu, Department of Geography; Ossi Kotavaara, University of Oulu, Department of Geography; Jarmo Rusanen, University of Oulu, Department of Geography, *Using GIS tools to estimate CO2 emissions related to the accessibility of large retail stores in Oulu region, Finland*.
3:00 Joe Weber*, University of Alabama, *Accessibility Change on the Interstate Highway System*.
3:20 Mikko Tervo, MSc*, Department of Geography, University of Oulu, Finland, *GIS Method For Optimization of Public Service Accessibility*.

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3574. Urban Political Struggles

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alejandro Melendez

2:40 João Seixas, Dr. *, *Different politics in a different city - New perspectives of critical analysis and systemic empowerment on the governing structures of the city of Lisbon.*

3:00 Joomi Lee, PhD Candidate*, University of Texas at Austin, *The Monarchical Regime and the Politics of Medina Revitalization in Rabat-Salé, Morocco.*

3:20 Nicholas Moore*, Hunter College, *Spaces of protest: Hawaii amid 50 years of statehood.*

3:40 Antoine Laporte*, University of Luxembourg and University of Paris 7, *The difficult definition of the capital city : the example of the German capital city transfer.*

4:00 Alejandro Daniel Meléndez*, University of Puerto Rico , Medical Sciences Campus, *The Impact of Levittown Urbanization in The Urban Geographic Composition in the Municipio of Toa Baja Puerto Rico.*

3576. Forests and Watersheds

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sheng Yang, SUNY-ESF

2:40 Judith Okay, Ph.D. *, Chesapeake Bay Program; Judith A Okay, Ph.D., Chesapeake Bay Program; Robert Feldt, Forester, Maryland DNR, Forest Resources Planning, *A Landscape Targeting Matrix for Riparian Forest Buffer Effectiveness.*

3:00 Forrest R. Stevens*, University of Florida; Nils Christofferson, Wallowa Resources; Joel Hartter, Ph.D., University of New Hampshire; Kevin Boston, Ph.D., Oregon State University, *Mixed Methods for Monitoring Forest Health in Wallowa County, Oregon.*

3:20 Sheng Yang*, SUNY-ESF; Giorgos Mountrakis, SUNY-ESF, *Assessing spatial uniqueness of forest changes in the conterminous US.*

3577. Natural Resource Management: Africa

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Catrina MacKenzie, McGill University, Department of Geography

2:40 Jenny Appelblad*, Stockholm University, *Shifting Management- Probing Partnerships in Small Town Water Supply in Uganda.*

3:00 Ikenna Theodore Oramah, MSc*, University of Alberta; Jeremy Richards, PhD, University of Alberta, *The Contribution of Community-Based Mining to Sustainable Development: Nigeria as a case study.*

3:20 Murtala Chindo*, University, *Geographic Information Systems in Mining Cadastre: A Policy Tool for Mineral Resources Development in Nigeria.*

3:40 Julie A. Silva*, University of Florida, *Development, Decision-making, and Natural Resource Management in Parks and Protected Areas.*

4:00 Catrina MacKenzie, PhD Candidate*, McGill University, Department of Geography, *Factors Influencing the Efficacy of Revenue Sharing: Kibale National Park, Uganda.*

3578. Remote Sensing and Latin America

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jonathan Thayn, Illinois State University

2:40 Izaya Numata*, South Dakota State University; Mark A Cochrane, South Dakota State University; Carlos M Souza Jr., IMAZON, *Hyperspectral analysis of forest disturbance from forest fires and selective logging.*

3:00 Dar A Roberts*, University of California; Michael Toomey, Department of Geography, U.C. Santa Barbara; Izaya Numata, South Dakota State University; Mark Cochrane, South Dakota State University; Joao V Soares, INPE, *A twenty-five year history of land-cover change in Rondonia Brazil, derived from standardized mixture models and decision tree classifiers.*

3:20 Jorge Ruiz*, Universidad Pedagógica y Tecnológica de Colombia, *Spectral response and succession in the Dry Tropical Forests of Old Providence Island, Colombia..*

3:40 Jonathan Thayn, Ph.D. *, Illinois State University, *Mapping the Amplitude of Seasonal Floods on the Amazon River.*

3579. Precipitation

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shuang-Ye Wu, University of Dayton

2:40 Elsa Nickl*, University of Delaware; Cort J Willmott, University of Delaware; Kenji Matsuura, University of Delaware; Scott M. Robeson, Indiana University, *Changes in annual land-surface precipitation over the 20th and early 21st century.*

3:00 Arthur N. Samel*, Bowling Green State University, *Ability of the AMIP II Suite to Simulate Yangtze River Valley Summer Monsoon Rainfall and its Teleconnections.*

3:20 Matt Zorn*, Carthage College, *Recent Trends in Precipitation in the Root-Pike Watershed, Southeastern Wisconsin..*

3:40 Kevin Law*, Marshall University; James Leonard, Marshall University, *A Comparison of West Virginia Climate Division Temperature and Precipitation Patterns in the 20th Century.*

4:00 Shuang-Ye Wu, PhD*, University of Dayton, *Projecting future precipitation pattern for Ohio.*

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3602. Critical Geopolitical Perspectives on the Polar Regions III: Governance (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Philip E. Steinberg, Florida State University; Klaus Dodds, Royal Holloway, University of London
 CHAIR(S): Klaus Dodds, Royal Holloway, University of London
4:40 Rob Shields*, University of Alberta, *Changing Geopolitics of Nunavut and Greenland: Political-Economy, Cultural Topology and Critical Geopolitics*.
5:00 Barret Weber, Ph.D. Student*, University of Alberta, *Nunavut grows-up? On the decentralization debate*.
5:20 Jessica Shadian*, High North Center for Business and Governance, Bodo Graduate School for Business, *Lessons learned, lessons to be learned: A look at Polar Governance from the top down*.
5:40 Lisa E. Bloom*, University of California, San Diego; Bloom E Lisa, Ph.D., University of California, San Diego, *Arctic Discourses, Climate Change and Contemporary Art*.

3603. Geopolitics Lecture (Sponsored by Political Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Simon Dalby, Carleton University; David Newman, Ben-Gurion University
 CHAIR(S): Simon Dalby, Carleton University
 Introducer: Simon Dalby
 Introducer: David Newman
4:50 Gerry Kearns*, Virginia Polytechnic & State University, *Beyond the Legacy of Mackinder*.

3604. Spatial Analysis and Modeling for Population and Health

Room: Embassy, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ge Lin, University of Nebraska
4:40 David C Wheeler, PhD, MPH, MAS*, National Cancer Institute; Lance A Waller, PhD, Emory University, *Spatial Analysis of Genetic Population Structure in Cougars*.
5:00 Geoffrey H. Smith*, University of Iowa, *Methods For Measuring and Analyzing Geographic Data to Support K-12 Educational Research and Planning*.
5:20 Bo Xu*, California State University, San Bernardino, *Spatial-temporal analysis of Hemorrhagic disease of white-tailed deer in Southeast, US*.
5:40 Sylvia N Wilson, Physical Scientist*, U.S. Geological Survey; Diana Papoulias, Biologist, U.S. Geological Survey, *Relationships between Environmental Changes, Contaminant Trends, and Human and Wildlife Health in Two Texas' Counties: Cameron and Hidalgo*.
6:00 Ge Lin*, University of Nebraska, *Spatial warnings, signals and implications in a population based birth defect surveillance in Nebraska*.

3605. Geographies of aging (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Irene Hardill, Nottingham Trent University; Susan Lucas, Temple University
 CHAIR(S): Janice Monk, University of Arizona
4:40 Irene Hardill*, Nottingham Trent University, *Sustaining IT use: working collaboratively with older IT users in the UK*.
 Introducer: Janice Monk
5:10 Susan Lucas*, Temple University, *Re-visioned and re-presented: The retirement community family*.

5:30 Mike Danson, Professor*, University of the West of Scotland; Karen Gilmore, University of the West of Scotland, *Sustaining Older People's Activities During a Recession: Employability, Volunteering and Flexible Lifestyles*.

5:50 Nicholas Quintus*, Temple University, *Local Initiatives to Support Aging in the First Suburbs*.
 Discussant(s): Tim Schwanen, University of Oxford

3608. Social Context for Renewable Energy

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Edward H. Davis, Emory & Henry College
4:40 Jennie C. Stephens, Ph.D.*, Clark University; Elizabeth J Wilson, Ph.D., University of Minnesota; Tarla Rai Peterson, Ph.D., Texas A&M University; Rumika Chaudhry, Clark University; Leah Melnick, Clark; Miriam Fischlein, University of Minnesota; Joel Larson, University of Minnesota; Damon Hall, Texas A&M University; Chara J Ragland, Texas A&M University; Andrea Feldpausch, Texas A&M University, *State-Level Socio-Political Context for Wind and Carbon Capture and Storage: A Comparative Analysis*.
5:00 Brian M. Cacchiotti*, Salem State College; Judith E. Otto, Ph.D, Framingham State College, *Windbags and Blowhards: Debating wind turbine regulation in a small New England city*.
5:20 Ben Champion, D.Phil.*, Kansas State University, *Beyond What's the Matter With Kansas?: Gov. Sebelius Goes to Washington in a Time of Climate Governance*.
5:40 Lawrence A. McGlinn*, SUNY - New Paltz, *Comments on Proposed Wind Farms: Landscape, Language and Aesthetics*.
6:00 Edward H. Davis*, Emory & Henry College; Derek Larimer, Emory & Henry College, *Diffusion of the Climate Protection Movement in American Academia*.

3609. Italy and its Regions Today (Sponsored by European Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): John A. Agnew, University of California - Los Angeles
 CHAIR(S): John A. Agnew, University of California - Los Angeles
4:40 Carlo Brusa*, University of Piemonte Orientale, *The Lombardy model of autonomy: from the "audacious" innovations of the Statute of 2008 to the challenges of the regional elections in March 2009 in the land of Bossi and Berlusconi*.
5:00 Davide Papotti*, University of Parma, *The image of Italy and its regions in tourism promotion: a mirror of the political dialectic about federalism*.
5:20 Thomas Joseph Puleo, PhD*, ASU, *Sicily as an Italian autonomous region*.
5:40 Michael Shin*, UCLA, *Re-scaling the Italian south: From il Mezzogiorno to i Mezzogiorni*.

3610. Environmental Science, policy and politics: exploring the links 3 (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Sebastien Nobert, King's College London; David Demeritt, King's College London
 CHAIR(S): Sebastien Nobert, King's College London
4:40 David Demeritt*, King's College London, *Ensembling EFAS: the technoscientific politics of Europe's emerging flood forecasting capacity*.

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5:00 Sharon Moran*, State University of New York - Env. Science and Forestry, Syracuse, NY, *Sustainable Water Technologies: Architects and Innovation.*

5:20 Jason Beery*, University of Manchester, *Uneven Technical and Legal Capacity in the Governance of Outer Space.*

5:40 Stéphane Cartier*, CNRS France; Elise Beck, UJF Grenoble, *Urban Dilemmas: Mapping local information to reduce seismic vulnerability.*

Discussant(s): Tim Forsyth, London School of Economics

3611. Frontier Geographic Research on Climate Change

Room: *Nathan Hale, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Bob Kates, Independent Scholar; Thomas J. Wilbanks, Oak Ridge National Laboratory

CHAIR(S): Thomas J. Wilbanks, Oak Ridge National Laboratory

Introducer: Bob Kates

4:50 Ellen Mosley-Thompson*, Ohio State University, *Understanding Global Climate Change: Stories from the Ice.*

5:05 Linda O. Mearns*, National Center for Atmos. Research, *The Spatial Scale of Climate Scenarios: What do we really need?*

5:20 Kirstin Dow*, University of South Carolina, *Climate Vulnerability, Adaptation, and Insights from Risk Management.*

5:35 Colin Polsky*, Clark University, *Qualitative and Quantitative Perspectives on Assessing Climate Vulnerability.*

5:50 David Greene*, Oak Ridge National Laboratory, *The Importance of Technology to America's Energy and Climate Goals.*

6:05 William Travis*, University of Colorado, *Desperate Measures for Desperate Times: Responding to Extreme Climate Change.*

3612. Transportation and Social Exclusion: Current Research and Emerging Themes (Sponsored by Transportation Geography Specialty Group)

Room: *Park Tower 8206, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Hejun Kang, University of Idaho

CHAIR(S): Hejun Kang, University of Idaho

4:40 Irene Casas*, Louisiana Tech University; Elizabeth Delmelle, University of North Carolina, Charlotte, *Identifying Excluded Populations using Blog Content Analysis.*

5:00 Hejun Kang*, University of Idaho, *Social Integration of Elderly Americans: A Time-Use Perspective.*

5:20 Gunwha Oh*, SUNY - Buffalo; Irene Casas, Assistant Professor, Dept of Social Sciences, Louisiana Tech University, *Social Exclusion Dimensions: How are children's after school activity opportunities limited by the transportation system?*

5:40 Talia McCray*, University of Texas at Austin; Talia M. McCray, Ph.D., University of Texas at Austin, *How do low-income teenagers perceive the spaces where they socialize?*

3613. Wind Energy in the 21st Century II: Siting, Aesthetics, and Carbon Implications (Sponsored by Energy and Environment Specialty Group)

Room: *Park Tower 8209, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Michael Slattery, Texas Christian University

CHAIR(S): Michael Slattery, Texas Christian University

4:40 Matthias Fripp*, Environmental Change Institute, Oxford University, *The Cost of Using Wind and Solar Power to Achieve Radical Greenhouse Gas Emission Reductions.*

5:00 Becky Richards*, Texas Christian University; Jeffrey Swofford*, Texas Christian University, *Socioeconomic Implications of the Wind Industry in Texas: A Case Study of Nolan and Taylor Counties.*

5:20 Frederick C. Engle*, ManTech; Frank DiGiovanni, DoD; Victor W. Lozano, BLM; Ginny Pyles, BLM; Molly C. Rodriguez, ManTech, *Is the sky the limit for wind energy development in the Western U.S?: Using geospatial tools to resolve agency mission conflicts.*

5:40 W. Cameron Weimar*, University of Michigan, *Land Use Change, Development Rights and Wind Power Development in New England.*

6:00 Stephen J. Stadler*, Oklahoma State University; G. Allen Finchum, Oklahoma State University; Hongbo Yu, Oklahoma State University; J. Scott Greene, University of Oklahoma, *ZephyrBox: A Geographic Toolkit for the Wind Industry.*

3614. Census Mapping Challenges and Issues (Sponsored by Applied Geography Specialty Group)

Room: *Park Tower 8210, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census

CHAIR(S): Stephanie Spahlinger, U.S. Bureau Of the Census

4:40 Stephanie Spahlinger*, Geography Division, U.S. Census Bureau, *Census Automated Map Production System (CAMPS): Producing Millions of Maps to Support the 2010 Census.*

5:00 Elise Alkire*, U.S. Bureau Of the Census; Linda Orsini, U.S. Bureau Of the Census, *Effects on Mapping Based on Handheld Data Collection.*

5:20 Nick A. Padfield, Mapping Specialist / Team Leader*, U.S. Bureau Of the Census, *Portraying Different Vintages of Geography on Reference Maps for the Economic Census.*

5:40 Jessica Jayne Dobrowolski*, U.S. Census Bureau, *Challenges to Creating Generalized Cartographic Boundary Files in an Oracle Environment.*

3615. Creative Peripheries: Geographies of Innovation and Creativity in 'Less Favored' Regions' (Sponsored by Economic Geography Specialty Group, Canadian Studies Specialty Group)

Room: *Park Tower 8212, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Andrey N Petrov, University of Northern Iowa

CHAIR(S): Andrey N Petrov, University of Northern Iowa

4:40 Andrey N Petrov*, University of Northern Iowa, *Creative Peripheries? Theorizing and exploring creative capital in the Canadian North.*

5:00 Atle Hauge*, Eastern Norway Research Institute, *The chicken and the egg - putting Florida's peoples climate into practise.*

5:20 Bruno MORISET, Dr. *, University of Lyon, *Developing the digital economy in France's peripheral regions: an assessment of community-based telecenters, incubators, and small high-tech business parks.*

5:40 Vincent Ng'ethe*, The University of Western Ontario; Godwin Arku, PhD, The University of Western Ontario, *Municipal Attempts to Adapt to the Knowledge Economy in Smaller Communities: The Case of Peterborough, Ontario.*

6:00 Jussi S. Jauhiainen*, University of Turku, *Arctic Innovations - Technology Development in Spitsbergen.*

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3616. Virtual Communities (Sponsored by Cyberinfrastructure Specialty Group, Communication Geography Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Robert Raskin, Jet Propulsion Lab

CHAIR(S): Robert Raskin, Jet Propulsion Lab

4:40 Necati Anaz*, University of Oklahoma; Andrew Dryanski, University of Oklahoma, *Casual geopolitics of Facebook: online performing national identities.*

5:00 Michael W. Longan*, Valparaiso University; Darren Purcell, University of Oklahoma, *Engineering Community and Place: Facebook as Megaengineering.*

5:20 Tom Holt, Michigan State University; Deborah Strumsky, University of North Carolina at Charlotte; Olga Smirnova*, East Carolina University, *Examining the Social Networks of Malware Writers and Hackers.*

5:40 Lorna J Philip*, University of Aberdeen, *Supporting interdisciplinary research, scientific collaboration and policy making: the PolicyGrid II project.*

6:00 Osvaldo A. Muniz*, Texas State University, San Marcos, *Latin American Cyberspace: From VirtualFlow-1 to VirtualFlow-2.*

3617. Historical and Contemporary United States Political Geography (Sponsored by Political Geography Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Fred M. Shelley, University of Oklahoma;

Gerald R. Webster, University of Wyoming

CHAIR(S): Stanley D. Brunn, University of Kentucky

4:40 Kenneth C. Martis, Ph.D.*, West Virginia University; Myra N. Lowe, MLS, MBA, West Virginia University Library; J. Clark Archer, Ph.D., University of Nebraska - Lincoln, *Digitizing, Archiving and Dissemination of Electoral Cartography: The Atlases of Congress Project.*

5:00 John Clark Archer*, University of Nebraska; Kenneth C. Martis, West Virginia University; Fred M. Shelley, University of Oklahoma, *Post-2000 Election Geographical Polarization in the United States House of Representatives.*

5:20 Colleen McTague*, University of Cincinnati; Kevin N Raleigh*, University of Cincinnati, *Neighbor to neighbor: measuring a partisan tipping point.*

5:40 Jonathan Leib*, Old Dominion University, *A Tale of Two Monuments: 'Race', Public Memory and the Civil War in Norfolk, Virginia.*

6:00 Gerald R. Webster*, University of Wyoming, *Institutionalizing the Myth: Custer Place Names on the Western Landscape.*

3618. People and Protected Areas II -- India case studies (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Asian Geography Specialty Group)

Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Monica V Ogra, Gettysburg College

CHAIR(S): Monica V Ogra, Gettysburg College

4:40 Sugato Dutt*, University of Hawaii at Manoa, *Masked by the tiger: an evaluative study of rural livelihoods and conservation values in Northeast India.*

5:00 Tapoja Chaudhuri, Ph.D.*, University of Washington, *Environmental Governmentality in Neoliberal India: An Ethnomethodological Study of a Tiger Reserve..*

5:20 Harry Fischer*, University of Illinois Urbana Champaign; Ashwini Chhatre, PhD, University of Illinois Urbana-Champaign, *Conservation conflicts and democratic communities in the Indian Himalayas.*

5:40 Nitin D Rai*, Ashoka Trust for Research in Ecology and the Environment; Sushmita Mandal, Ashoka Trust for Research in Ecology and the Environment; Chikkananjegowda Madegowda, Ashoka Trust for Research in Ecology and the Environment, *Reconstructing Landscapes: History, Culture and Local Knowledge in Biligiri Rangaswamy Temple Wildlife Sanctuary, India..*

Discussant(s): Paul Robbins, University of Arizona

3619. Fieldwork in an African Setting III (Sponsored by Development Geographies Specialty Group, Africa Specialty Group, Cultural and Political Ecology Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Ryan Zachary Good, University of Florida; Caroline Faria, Dartmouth College

CHAIR(S): Heidi J. Nast, DePaul University

Panelists: Rohit Negi, University of Illinois at Urbana Champaign; Sumanth G. Reddy, Kansas State University; Brian Dowd, University of California - Santa Cruz; Benjamin Neimark, Temple University; Jane Southworth, University of Florida

3620. Climate Adaptation, Landscapes, and Institutions (CALI) VIII (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Maria Carmen Lemos

CHAIR(S): Diana M. Liverman, University of Arizona/University of Oxford

4:40 Renata M T Andrade, PhD*, Universidade Católica De Brasília; Andrew Miccolis, Instituto Sálvia, *Climate Change Policy In Brazil: Mitigation And Adaptation Strategies And Institutions.*

4:55 Matthew Turner*, University of Wisconsin-Madison, *Climate change and scaled institutional landscapes in dryland Africa.*

5:10 Bhaskar Vira*, University of Cambridge, *Landscapes, institutions and adaptation - a patterned mosaic or scalar congruence?.*

5:25 Felipe Murtinho*, University California Santa Barbara; Hallie Eakin, Arizona State University; David L. Carr, UC Santa Barbara, *At what scale are local adaptation processes triggered? Evidence from watershed management in the Andes of Colombia.*

Discussant(s): Diana M. Liverman, University of Arizona/University of Oxford

3621. Climate Change: Impacts and Responses

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

ORGANIZER(S): Program Committee

CHAIR(S): Lisa Segnestam, Stockholm University

4:40 Vivek Prasad*, George Mason University VA, *Exploring the potential and challenges of adaptation to climate change: A bottom up approach.*

5:00 Sascha Michael Henninger*, Technical University Kaiserslautern, *Obvious impacts of climate change in Rwanda.*

5:20 Lisa Segnestam, PhD Candidate*, Stockholm University, Sweden; Julie Cupples, Dr., University of Canterbury, New Zealand, *Gender shifts and climate changes: Unstable performativities of development and drought.*

5:40 Erin Bunting, Doctoral Student*, Department of Geography, University of Florida; Cerian Gibbes, Doctoral Student, Department of Geography, University of Florida; Jane Southworth, Associate Professor Ph.D., Department of Geography, University of Florida, *Climate Induced Vegetation Change Within Protected Areas: A Case Study of Southern Africa.*

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3622. Embodied, Emotional and Affective Geographies of Participation 3: Panel (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Rachel Pain, University of Durham; Mike Kesby
 CHAIR(S): Rachel Pain, University of Durham
 Panelists: Caitlin Cahill, University of Utah; Louise Waite, University of Leeds; Meghan Cope, University of Vermont; Derek McCormack, University of Oxford; Victoria Jupp

3623. Panel in Honor of John Odland (Sponsored by Spatial Analysis and Modeling Specialty Group, Population Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Richard A. Wright, Dartmouth College
 CHAIR(S): Richard A. Wright, Dartmouth College
 Panelists: Mark Ellis, University of Washington; J. Matthew Shumway, Brigham Young University; Lawrence A. Brown, Ohio State University; Arthur Getis, San Diego State University; Daniel C. Knudsen, Indiana University; Kingsley E. Haynes, George Mason University

3624. Roundtable Session on Ecosystem Conservation Priorities in the Americas (Sponsored by Geographic Information Science and Systems Specialty Group, Association of American Geographers, Biogeography Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Patricia Solís, Association of American Geographers
 CHAIR(S): Patricia Solís, Association of American Geographers
 Introducer: Patricia Solís
 Panelists: Thomas Lovejoy, The H. John Heinz III Center for Science, Economics and the Environment; Cletus Springer, Organization of American States; Gladys Cotter, USGS/BRD; James L. Edwards, Smithsonian Institution, Museum of Natural History; Jesús A. Ugalde-Gómez, Instituto Nacional De Biodiversidad (INBio)

3625. South

Room: Hoover, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick
 CHAIR(S): Joshua F. Inwood, Auburn University
4:40 Joshua F. Inwood*, Auburn University, *Reconciling the Truth: Legacies of Racial Violence in the American South.*
5:00 Priscilla McCutcheon*, The University of Georgia, *Constructing Black Identity through the Food Programs of Wheat Street Baptist Church.*
5:20 Benjamin Louis Blandford, PhD Candidate*, University of Kentucky, *From Celebration to Condemnation: Derby Cruising in Louisville, KY.*
5:40 Christin M. Taylor*, University of Maryland, *The Spectre of Cultural Trauma in the Rural Black South.*

3626. Graduate Research on Latin America - II (Sponsored by Latin America Specialty Group)

Room: Jackson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Taylor E. Mack, Louisiana Tech University
 CHAIR(S): Taylor E. Mack, Louisiana Tech University
4:40 Lisa Rausch*, University of Kansas, *Environmental Governance as a Development Strategy in the Amazon: The Case of Lucas do Rio Verde Legal.*
5:00 Colleen Earp*, Rutgers University; Laura Schneider, PhD, Rutgers University, *Fire Regimes and Invasive Species: The case of bracken fern in the Mesoamerican Biological Corridor Sian Ka'an-Calakmul, Mexico.*
5:20 Elizabeth Barona*, International Center for Tropical Agriculture (CIAT); Navin Ramankutty, Department of Geography, McGill University; Glenn Hyman, International Center for Tropical Agriculture (CIAT); Oliver Coomes, Department of Geography, McGill University, *The relationship between agricultural expansion and deforestation in the Brazilian Amazon 2000-2006.*
5:40 Iván J. Ramírez*, Michigan State University; Consortium for Capacity Building, *Reconstructing Cholera and El Niño in Piura, Peru in the 1990s: A Mixed Methods Study.*
6:00 John H. Kelly, PhD candidate*, University of Kansas, *The Individualizing of Water Source Control in Indigenous Mexico?: Reciprocal Adjustments by Communities and the State.*

3627. Remote Sensing of Urban Areas

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Stuart K. McFeeters, California State University, Fresno
4:40 Mahtab A. Lodhi, Ph.D.*, Department of Geography, University of New Orleans, *Analysis of Spatial Pattern and Trend of Urbanization and Associated Land Cover Changes in Selected Coastal Parishes of Louisiana Using Satellite Imagery.*
5:00 Paporn Thebpanya*, Towson University, *An Evaluation of the Advanced Thermal and Land Applications Sensor system for Urban Mapping.*
5:20 F Mike Sims, Jr*, Florida State University, *Utilization of Ancillary Data in Object-Based Classification of High Resolution Satellite Imagery: LIDAR integration.*
5:40 Jared D Newell*, Boston University, *Combining multi-source remotely sensed data for carbon studies of urban vegetation: A geospatial and temporal analysis of Boston's carbon dynamics.*
6:00 Stuart K. McFeeters, Ph.D, GISP*, California State University, Fresno, *Urban Surface Water Delineation in the Fresno/Clovis Metropolitan Area: A Comparison of Methods.*

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- Room:** Johnson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): John W. Jones, United States Geological Survey; Jennifer Rover, United States Geological Survey
 CHAIR(S): John W. Jones, United States Geological Survey
4:40 John W. Jones, Ph.D.*, United States Geological Survey; Roland Viger, National Research Program, USGS; Gary R Buell, Georgia Water Science Center, USGS; Lauren E. Hay, Ph.D., National Research Program, USGS; James T. Peterson, Ph.D., Georgia Cooperative Research Unit, USGS, *Remote sensing of small water body dynamics to improve modeling of minimum flows for ecological needs.*
5:00 Jennifer Rover*, United States Geological Survey; Bruce K Wylie, United States Geological Survey; Devendra Dahal, SGT, contractor to the USGS Earth Resources Observation and Science (EROS) Center, Work performed under USGS contract 08HQCN0005 / South Dakota State University, Brookings, SD, *Analysis of Surface Water Dynamics in the Yukon Flats of Alaska.*
5:20 Kevin Magee*, University of Cincinnati, *Mapping Muck: Extending Object-Oriented Methods to the Classification of Seasonal Wetlands in Petén, Guatemala.*
5:40 Lei Ji*, ARTS, Contractor to USGS Earth Resources Observation and Science Center; Li Zhang, Center for Earth Observation & Digital Earth, Chinese Academy of Sciences; Bruce Wylie, USGS Earth Resources Observation and Science Center, *Evaluation of normalized difference water index for mapping surface water bodies.*
6:00 Megan Weiner Lang, PhD*, USDA-FS; Greg McCarty, PhD, USDA-ARS; Robert Oosterling, University of Maryland; Gabriel Hua, University of Maryland, *LiDAR for Improved Forested Wetland Conservation and Management.*

3633. Indigenous Peoples and Protected Areas III: Conservation Landscapes, Protected Area Governance, and Indigenous Rights (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group)

- Room:** McKinley, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Stan Stevens, University of Massachusetts
 CHAIR(S): Stan Stevens, University of Massachusetts
4:40 Xavier Amelot, University of Bordeaux; André Teyssier, CIRAD TETIS; Cécile Martignac*, CIRAD, *Squatter on one's land? What remains from the indigenous land rights faced with national conservation and agribusiness projects?*
5:00 Cirse A. Gonzalez-Dorantes*, School of Marine Affairs, University of Washington; Jongseong Ryu, MMA, PhD, School of Marine Affairs, University of Washington, *Indigenous people in the US National Marine Sanctuaries: A comparison.*
5:20 Jamie Shinn*, University of Kansas, *Political Ecology and Coastal Conservation: A case study of Menai Bay Conservation Area, Tanzania.*
5:40 Catie Burlando, PhD candidate*, University of Manitoba; Iain Davidson-Hunt, Associate Professor, University of Manitoba, *Emerging scales for decision-making: Pikangikum First Nations' land use planning process and comprehensive conservation planning in the northern boreal.*
6:00 Lucas Ward, Geographer*, University of Colorado, Boulder, *Environmental Zoning Plans (POATS), corruption, and the myth of participation: Re-configuring power asymmetries in the management of protected areas in the Paraguayan Pantanal.*

3634. Everyday Places

- Room:** Taft, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Tom L. Schmiedeler, Washburn University
4:40 Anja Claus*, Northeastern Illinois University, *Protecting Values of Place: Efforts to Develop Democratic Ecological Citizenship in Two North American Communities.*
5:00 Timothy S Vatopec, MA*, University of Kentucky, *The Importance of Land and Space in the Formation of the National Grange of the Patrons of Husbandry.*
5:20 Rob Sullivan*, UCLA Geography Department, *Geography of the Everyday.*
5:40 Steven Schnell*, Kutztown University of Pennsylvania, *Ten Views of "The Local": A Term and its Critics.*
6:00 Tom L. Schmiedeler*, Washburn University, *Decline of the Village Pub in the Garden of England.*

3635. Environmental Justice, Negotiation, and Organizing

- Room:** Taylor, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ujjaini Das, University of Georgia
4:40 Sarah Carvill*, University of California, Santa Cruz, *Cleaning Up and Hanging On: Negotiating Restoration in Rural Montana.*
5:00 Richard J Oddie, PhD*, University of Toronto Scarborough, *Eco-Terrorism or Eco-Defence? Some Thoughts on Legality, Justice and the State.*
5:20 Amy Freitag*, Duke University, *Community organizing in the blue crab fishery.*
5:40 Ujjaini Das*, University of Georgia, *Contesting Political Versus Environmental Scale: A Controversy over the Edison Gorge Dam.*

3636. Judy Olson Retires -- Her Cartography Advisees Gather to Talk Shop (Sponsored by Cartography Specialty Group)

- Room:** Thurgood Marshall EAST, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Cindy Brewer, Pennsylvania State University; Amy Lobben, University of Oregon
 CHAIR(S): Cindy Brewer, Pennsylvania State University
 Discussant(s): Judy M. Olson, Michigan State University
 Panelists: Cindy Brewer, Pennsylvania State University; Michael P. Peterson, University of Nebraska; Amy Lobben, University of Oregon

3637. Spatial Analysis and Modeling Plenary Lecture and Geographical Analysis Reception (Sponsored by Spatial Analysis and Modeling Specialty Group)

- Room:** Thurgood Marshall NORTH, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Daniel A. Griffith, University of Texas - Dallas; Yongwan Chun, The University of Texas at Dallas
 CHAIR(S): Daniel A. Griffith, University of Texas - Dallas
4:40 Peter Nijkamp*, Free University of Amsterdam, *Behaviour of Humans and Behaviour of Models: A Cognitive Perspective.*

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- 3638. To Protect and Serve: Critical Investigations into America's Nature-Culture Dialectic Session IV (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group, History of Geography Specialty Group)**

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Yolonda Youngs, Oklahoma State University; Terence Young, California State Polytechnic University-Pomona

CHAIR(S): Yolonda Youngs, Oklahoma State University

4:40 Karl Byrand, Associate Professor of Geography*, University of Wisconsin-Sheboygan, *4est 0 4est Found: The Images of Yellowstone National Park in Internet Search Engines.*

5:00 Judith L. Meyer, PhD*, Missouri State University, *The Art of Persuasion: Illustrations and the Yellowstone Experience.*

5:20 Stephen M. O'Connell*, University of Mary Washington, *Providing the Context: Imagery and Messaging in the Development of a National Park Community.*

5:40 Tyra A Olstad*, Kansas State University, *Konza Prairie Preserve: Reconciling Science and the Aesthetic Experience.*

Introducer: Yolonda Youngs

- 3639. The Political Geography of Sovereign Wealth Funds (Sponsored by Political Geography Specialty Group)**

Room: Thurgood Marshall WEST, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Ashby Monk, Oxford University; Gordon L. Clark, University of Oxford

CHAIR(S): Gordon L. Clark, University of Oxford

Panelists: Ashby Monk, Oxford University; Henry Wai-chung Yeung, National University of Singapore; Louis Pauly, University of Toronto; Adam D Dixon, University of Bristol; James Faulconbridge, Lancaster University; Andrew Rozanov, State Street; Sven Behrendt, Carnegie Endowment for International Peace

- 3640. Food: Geographic Analysis of Scientific Problems**

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Roberto Izaurralde, Pacific Northwest National Laboratory

4:40 Timothy LeDoux*, MSU; Igor Vojnovic, MSU, *The Health Consequences from Unequal Access to Food in the Lansing, Michigan Metropolitan Region.*

5:00 Rachel Hirsch, PhD Candidate*, University of Western Ontario; Jamie Baxter, PhD, University of Western Ontario, *'The pests problem': A narrative analysis of residential pesticide policy preferences in Calgary, Alberta and Halifax, Nova Scotia.*

5:20 Bradley A. Shellito*, Youngstown State University; Julie Robinson, Youngstown State University, *Monitoring Agricultural Sewage Sludge.*

5:40 Roberto Izaurralde*, Pacific Northwest National Laboratory; Xuesong Zhang, PNNL; Tristram West, ORNL; David Manowitz, University of Maryland; Mac W. Post, ORNL; Jimmy R. Williams, Texas A&M University; Allison M. Thomson, PNNL; Prasad V. Bandaru, ORNL; Jeff Nichols, ORNL, *Modeling with EPIC the Carbon Flux of the Mid-Continent Intensive Campaign Region during 2000-2008.*

- 3641. Using Emerging Media in Geographic Education: Strategies, Issues and Examples (Sponsored by Communication Geography Specialty Group, Geography Education Specialty Group)**

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Petra A. Zimmermann, Ball State University

CHAIR(S): Petra A. Zimmermann, Ball State University

4:40 Petra A. Zimmermann, Ph.D.*, Ball State University, *All A-Twitter in the Microclimate World: Using Emerging Media in a Climatology Project.*

5:00 Jeffrey C Brunskill*, Bloomsburg University of Pennsylvania; Curt Jones, Bloomsburg University of Pennsylvania, *Using the Bloomsburg University Weather Viewer to Enhance Student Comprehension of Introductory Weather Concepts.*

5:20 Liane Brouillette*, University of California, Irvine; Karen Gibbs*, National Geographic Society, *Mapping the History of Popular Music Boosts Geographic Knowledge in Middle School: A Quasi-Experimental Study.*

5:40 Jennifer Dickie*, University of Leicester, UK; Claire Jarvis, Dr, Department of Geography, University of Leicester; Gavin Brown, Dr, Department of Geography, University of Leicester, *Building pedagogic bridges: Digital mobile perspectives for learning.*

- 3642. Everyday Places in North America 5: Perceptions and Conceptualizations of Landscape (Sponsored by Cultural Geography Specialty Group, History of Geography Specialty Group)**

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

ORGANIZER(S): James A. Hanlon, Southern Illinois University Edwardsville; Christopher W. Post, Kent State University - Stark Campus

CHAIR(S): James A. Hanlon, Southern Illinois University Edwardsville

4:40 Margaret M. Gripshover, Ph.D.*, Western Kentucky University; Thomas L Bell, Ph.D., University of Tennessee and Western Kentucky University, *Environmental Perception, Miasma! How a Public Health Crisis and Real Estate Speculation Led to the Annexation of Lake View by the City of Chicago.*

5:00 Dave Lemberg*, Western Michigan University, *Hollister California: Perceptions of Real Places Obscured by Mall Clothing.*

5:20 Nate Millington*, University of Wisconsin Geography Department, *"Wild, Wild Midwest": Landscape, Vision, and Nature in Detroit, MI.*

5:40 Agnieszka Whelan*, Old Dominion University, *American peasant writes home: United States and the landscape debate in Poland at the turn of the 19th century..*

6:00 Lis Pankl*, Kansas State University, *The Romantic Ideology of Wilderness in Edward Abbey's _Desert Solitaire_.*

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- 3643. Assembling 'parts of elsewhere' III: Cities, territories and mobilities (Sponsored by Urban Geography Specialty Group)**
Room: *Wilson B, Marriott, Mezzanine Level (Paper Session)*
 ORGANIZER(S): Eugene McCann, Simon Fraser University; Kevin Ward, University of Manchester
 CHAIR(S): Eugene McCann, Simon Fraser University
4:40 Jennifer Mapes*, University of Southern California, *One size fits all?: Urban policy transfer and the new American small town.*
5:00 Craig Townsend*, Concordia University, *Urban Policy Mobility of an Urban Mobility Policy: Bus Rapid Transit and the Globalization of Urban Transportation Planning.*
5:20 Heather Elizabeth McLean*, York University, *Add 'top tier' culture and stir: Policy mobilities and Toronto's Luminato arts and culture festival.*
5:40 Andy Walter*, University of West Georgia; Katherine B. Hankins, Georgia State University, *The relocation of "radical relocation": Atlanta and the mobility of an anti-poverty strategy.*
6:00 AbdouMaliq Simone*, Goldsmiths College, *Remaking African City Centers.*
- 3644. Geographies of the Holocaust (Sponsored by Historical Geography Specialty Group, Geographic Information Science and Systems Specialty Group)**
Room: *Wilson C, Marriott, Mezzanine Level (Paper Session)*
 ORGANIZER(S): Anne Kelly Knowles, Middlebury College
 CHAIR(S): Anne Kelly Knowles, Middlebury College
4:40 Alberto Giordano*, Texas State University; Anna Holian*, Arizona State University, *A Spatial Analysis of the Holocaust in Italy: National and International Dimensions.*
5:00 Tim Cole*, University of Bristol; Alberto Giordano, Texas State University, *Mapping Ghettoization: "Doctors of Space" in Budapest, 1944.*
5:20 Waitman Wade Beorn, MA, PhD Candidate*, University of North Carolina-Chapel Hill, *Walking in the Footsteps of the Vanished: Using Physical Landscapes to Understand Wehrmacht Participation in Einsatzgruppen Killings in Belarus.*
5:40 Erik Steiner*, Stanford University - Spatial History Lab; Marc Masurovsky, United States Holocaust Museum; Simone Gigliotti, Victoria University of Wellington, New Zealand, *Mapping Emotional Communities: Resilience and Decline in the Evacuations from Auschwitz, January 1945.*
6:00 Chester Harvey*, Middlebury College; Paul B. Jaskot, PhD, DePaul University, *Modeling Auschwitz: Visualizing the spaces of victims and perpetrators.*
- 3646. Food: Response to Supply Concerns**
Room: *Lincoln Room 2, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Kenji K. Oshiro, Wright State University
4:40 Jennifer Vazquez*, Iowa State University; Carmen Bain, Iowa State University, *U.S. Food Retailers: A Case Study in CSR and Market-Based Initiatives in Altering Production Practices.*
5:00 Terence P McFadden, BA, HDip, MA*, Geography, Planning Environmental Policy UCD, *A Role for the Farm Household?.*
5:20 John A. Cross*, University of Wisconsin-Oshkosh, *Minnesota's Changing Dairy Industry.*
5:40 Bryant Hammond*, Western Washington University, *Exploring Social Resilience in Washington State Agriculture.*
6:00 Kenji K. Oshiro*, Wright State University, *Geographical Risk and Agricultural Trade.*
- 3647. Exploring the Geographies of Food IV (Sponsored by Economic Geography Specialty Group, Qualitative Research Specialty Group, Rural Geography Specialty Group)**
Room: *Lincoln Room 3, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): John R. Grimes, Eastern Kentucky University; Kathryn Morrison, University of Victoria
 CHAIR(S): Garrett Graddy, University of Kentucky
4:40 Edmund Harris*, Clark University, *Eat Local? Constructions of Place in Alternative Food Politics.*
5:00 Anna Carla Lopez-Carr, Ph.D.*, San Diego State University, *Out of the frying pan and into the fire? Urbanization and Food Security, Food Safety, and emerging Food Systems in Accra, Ghana.*
5:20 Amy Zader, PhD Candidate*, University of Colorado, Boulder, *The Price of Rice: Culture, Economy and Ecology in the Commodity Network of Chinese Northeast Rice.*
5:40 Christopher D. Merrett*, Western Illinois University, *Exploring the Sustainability of Local Food Systems: The Case of Community Supported Agriculture.*
6:00 Elizabeth Louis*, University of Hawaii; East-West Center, *Food Sovereignty and Agricultural Viability in India: An Agriculturalist's Perspective.*
- 3648. Geographies of the hidden citizen 3 (Sponsored by Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Lincoln Room 4, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Rhys Dafydd; Sarah Mills
 CHAIR(S): Sarah Mills
4:40 Philippa Williams*, University of Cambridge, *Terrorist or victim? Reconstituting citizenship from the margins in urban north India.*
5:00 Patricia Ehrkamp*, University of Kentucky; Caroline Nagel, University of South Carolina, *Places of worship and the politics of citizenship.*
5:20 Rhys Dafydd Jones*, Aberystwyth University, *University Challenges: religion, the everyday, and campus politics.*
5:40 Michael Eric Samers*, University of Kentucky, *On the governance of the 'hidden citizen'.*
 Discussant(s): Tracey Skelton, National University of Singapore
- 3649. Applications using the Civil Air Patrol ARCHER Hyperspectral System (Sponsored by Geographic Information Science and Systems Specialty Group, Hazards Specialty Group, Remote Sensing Specialty Group)**
Room: *Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)*
 ORGANIZER(S): Donald A. Friend, Minnesota State University; Fei Yuan, Minnesota State University, Mankato
 CHAIR(S): Donald A. Friend, Minnesota State University
4:40 Kevin White*, Space Computer Corporation, *Technical Capabilities of the ARCHER Hyperspectral Remote Sensing System.*
4:45 Thomas Vreeland*, Advanced Technology Group - Civil Air Patrol, *Model for a Tactical Geospatial Information System Employing Airborne Hyper Spectral Imaging Capabilities.*
4:50 Carol S. Mladinich*, United States Geological Survey; E. Terrance Slonecker, United States Geological Survey, *Calibration of Airborne Real-time Cueing Hyperspectral Enhanced Reconnaissance Imagery.*
4:55 Jeff Sloan*, United States Geological Survey, *The Use of the Civil Air Patrol ARCHER Hyperspectral Imagery for Forest Health and Multi-Stage Conifer Mortality.*

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5:00 Shawn Muenks, Missouri Department of Natural Resources; Nick Carbone, Missouri Department of Natural Resources; Donald A. Friend*, Minnesota State University, *Missouri Department of Natural Resources 2005 - 2009 Project to Develop Applications of Civil Air Patrol Hyperspectral Imagery for Characterizing Contamination and Monitoring Remediation.*

5:05 Fei Yuan*, Minnesota State University, Mankato; Bryce Hoppie, Minnesota State University, Mankato; Donald Friend, Minnesota State University, Mankato, *Improved River Water Quality Monitoring Using ARCHER Hyperspectral Sensing and GIS Analysis.*

3651. Human Impacts on Watershed Processes 3 - Ecological and Geochemical Processes (Sponsored by Water Resources Specialty Group, Geomorphology Specialty Group, Mountain Geography Specialty Group)

Room: Washington Room 1, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Shixiong Hu, Dept. of Geography, East Stroudsburg University of PA; Yong Q Tian, University of Massachusetts - Boston

CHAIR(S): Chansheng He, Western Michigan University

4:40 Yong Q Tian*, University of Massachusetts - Boston; Robert F Chen, Professor, University of Massachusetts-Boston; Qian Yu, Assistant Professor, University of Massachusetts-Amherst; Keith Cialino, University of Massachusetts-Boston; Wei Huang, University of Massachusetts-Boston; G Bernie Gardner, University of Massachusetts-Boston, *Variation of DOC exports from urban watershed to marine water in response to climate change: A case study for the Northeast of the United States.*

5:00 Lijuan LI*, Institute of Geographic Sciences and Natural Resources Research, CAS; Jiuyi LI, Institute of Geographic Sciences and Natural Resources Research, CAS, *Study on ecological water requirement in-stream---A Case Study in Songhuajiang River Basin, North-East China.*

5:20 Mario A Giraldo*, Kennesaw State University, *Spatial heterogeneity of agriculture systems in a watershed of the central cordillera of Colombia.*

5:40 Shixiong Hu*, Dept. of Geography, East Stroudsburg University of PA; Scott Collenburg, Dept. of Biology, East Stroudsburg University of PA, *Study on Stream Temperature of the Sambo Creek, Northeastern PA.*

6:00 Alvin Rentsch*, University of Wisconsin-Madison, *Assessment of Land Use Change Effects on Hydrology of the Salt River Basin, Kentucky.*

3652. Academia Insurgent 2: Occupying and Communizing Universities // Militant Research and Organizing (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington Room 2, Marriott, Exhibition Level (Panel Session)
ORGANIZER(S): Eli Meyerhoff, University of Minnesota; Elizabeth Johnson, University of Minnesota - Minneapolis

CHAIR(S): Elizabeth Johnson, University of Minnesota - Minneapolis

Discussant(s): Elizabeth Johnson, University of Minnesota - Minneapolis

Panelists: Ulrich Best, UBC; Joshua M Akers, University of Toronto; Eli Meyerhoff, University of Minnesota

3653. Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society (Sponsored by Geomorphology Specialty Group)

Room: Washington Room 3, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Dan Royall, UNC-Greensboro
CHAIR(S): Dan Royall, UNC-Greensboro

4:40 Stanley W. Trimble*, University of California, *The Severity of Historical Soil Erosion and Hydrologic Disruption in the Eastern US; Some Agronomic, Economic, Sociological, and Hydroclimatological Considerations.*

3654. Collaborative GIS for Addressing Global Challenges: The ArcGIS Platform

Room: Washington Room 4, Marriott Exhibition Level (Panel Session)
ORGANIZER(S): Carmelle J. Terborgh, Federal/Global Affairs Team Lead, ESRI
CHAIR(S): Carmelle J. Terborgh, Federal/Global Affairs Team Lead, ESRI

Keynote Presentation: Jack Dangermond, President, ESRI

Panelists: Carmelle J. Terborgh, Federal/Global Affairs Team Lead, ESRI; Bernard Szukalski, Product Manager, ESRI; Owen Evans, Team Lead, DC Technology Center, ESRI; Michael Gould, Education Program Manager, ESRI

3655. Living On In Place: The Role of Refugee Camps as a Structuring Force and Form in the Social Organization of Everyday Living Amidst Long-Term Displacement (Sponsored by Geographic Perspectives on Women Specialty Group, Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Panel Session)
ORGANIZER(S): Kevin M. DeJesus, York University
CHAIR(S): Ranu Basu, York University
Panelists: Hanaa Motasim, Catholic University of Leuven; Kevin M. DeJesus, York University

3656. Roepke Lecture in Economic Geography (Sponsored by Economic Geography Specialty Group)

Room: Blue Room, Omni Shoreham (Paper Session)
ORGANIZER(S): Yuko Aoyama, Clark University; Julie Cidell, University of Illinois
CHAIR(S): Andrew Wood, University of Kentucky
4:40 David Harvey, PhD*, CUNY Graduate Center, *Crises, Geographical Disruptions and Hegemonic Shifts..*
Discussant(s): Kevin R. Cox, Ohio State University

3660. Spatial Analysis V: Location Analysis

Room: Chairman, Omni Shoreham (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Bing Sheng Wu, Department of Geography, Texas A&M University

4:40 Olugbenga Samson Adesope*, Olugbenga Samson Adesope, *GIS-Based Approach for Defining Infrastructure Facilities Location for Sustainable Development: A Case Study of the Niger Delta of Nigeria.*

5:00 Xun Shi*, Dartmouth College; Jennifer Alford-Teaster*, Dartmouth College; Tracy L. Onega, Ph.D., Dartmouth Medical School / Norris Cotton Cancer Center; Dongmei Wang, MA. MS., The Dartmouth Medical School, *A Location Analysis of the Cancer Care Facilities in the US.*

5:20 Alka Patel, MGIS*, University of Calgary; Jack V Tu, MD, PhD, Institute for Clinical Evaluative Sciences; Nigel M Waters, PhD, George Mason University; Dennis T Ko, MD, MSc, Institute for Clinical Evaluative Sciences; Mark J Eisenberg, MD, MPH, McGill University Health Center; Thao Huynh, MD, MSc, McGill University Health Center; Stéphane Rinfret, MD, MSc, Laval University; Merrill Knudtson, MD, University of Calgary; William A Ghali, MD, MPH, University of Calgary, *Using Geographic Information Systems to evaluate access to emergency cardiac care in Canada.*

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- 5:40** Evan J Fedorko*, West Virginia University; Frank Lafone, West Virginia University; Tim Carr, PhD, West Virginia University, *West Virginia Carbon Capture and Storage Opportunities and Potential Locations for Coal-To-Liquid Facilities.*
- 6:00** Bing Sheng Wu*, Department of Geography, Texas A&M University, *GIS-based CA modeling of Asian urbanization: impacts of globalization on spatial restructuring of the desakota regions.*
- 3663. Migration in urban China (Sponsored by Urban Geography Specialty Group, Population Specialty Group, China Specialty Group)**
Room: Council, Omni Shoreham (Paper Session)
 ORGANIZER(S): Yu Zhou, Vassar College
 CHAIR(S): Weiping Wu, Virginia Commonwealth University
4:40 Weiping Wu*, Virginia Commonwealth University; Guixin Wang, Fudan University, *Housing Disparity and Inequality in Urban China.*
5:00 Wenfei Winnie Wang*, University of Bristol, *Adaptation and Assimilation in cities: A generational Comparison of Rural-Urban Migration in China.*
5:20 Xiaochu Hu*, School of Public Policy, George Mason University, *Occupations, Geographic Migration Patterns, and Age: A Case Study of Migrants from Bozhou, China.*
5:40 Chen Chen*, University of California, Los Angeles, *Migrant Workers' Housing choice -- An empirical study in Beijing.*
6:00 Youqin Huang*, SUNY - Albany, *Housing Migrants in Chinese Cities: Current Status and Policy Design.*
- 3664. CAPE / HDGC Keynote Lecture (Sponsored by Cultural and Political Ecology Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Diplomat, Omni Shoreham (Paper Session)
 ORGANIZER(S): William G. Moseley, Macalester College
 CHAIR(S): William G. Moseley, Macalester College
 Introducer: William G. Moseley
4:50 Piers Blaikie*, University of East Anglia, *Should some political ecology be useful?*
- 3665. Geospatial Technology in Community Colleges (Sponsored by Community College Affinity Group)**
Room: Director's, Omni Shoreham (Panel Session)
 ORGANIZER(S): Kerry Lyste, Everett Community College
 CHAIR(S): Michael Krimmer, Community College
 Panelists: Michael Krimmer, Community College; Jeannie Allen, Sigma Space Corp.; Bob Kolvoord, James Madison University; Salvatore DiMaria, Montgomery College
- 3666. warscapes: histories/ geographies/ technologies (Sponsored by Historical Geography Specialty Group)**
Room: Embassy, Omni Shoreham (Paper Session)
 ORGANIZER(S): Patrick McHaffie, Depaul University; John Cloud, NOAA Central Library
 CHAIR(S): Matthew Farish, University of Toronto
4:40 Christine Keiner*, Rochester Institute of Technology, *The Sea-Level Panama Canal Debate as a Cold War Forum for Emerging Environmental Concerns.*
5:00 Patrick McHaffie*, Depaul University, *Chicago 1955: Planning the Apocalypse Highway.*
5:20 John Cloud*, NOAA Central Library, *The Spies Who Came in from the Web.*
5:40 Hugh Gusterson*, GMU, *Nuclear Geographies.*
 Introducer: Matthew Farish
- 3667. Greening the City II: Environment, Economy, and Urbanization (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group)**
Room: Empire, Omni Shoreham (Paper Session)
 ORGANIZER(S): Julie Cidell, University of Illinois
 CHAIR(S): Julie Cidell, University of Illinois
4:40 Erin DeMuynck*, University of Illinois, *Urban Redevelopment, Environmental Fixes, and Social Justice: The Complexities and Possibilities of Farmers' Markets.*
5:00 David L. Prytherch*, Miami University, *Thinking Globally, Planning Locally? Climate Change, Land-use Regulation, and the Rescaling of the Public Welfare.*
5:20 Julie Cidell*, University of Illinois, *Conventions theory and justifications for municipal green building regulation.*
5:40 Peleg Kremer*, PhD Student, *Understanding local food systems- spatial and organizational structure of the local food system in Philadelphia.*
6:00 Sarah E. Knuth*, UC - Berkeley, *Green City Marketing in the Bay Area: Scalar Cooperation, Competition, and Contradictions.*
- 3670. Geographies of Rumor and Conspiracy (Sponsored by Political Geography Specialty Group)**
Room: Hampton, Omni Shoreham (Paper Session)
 ORGANIZER(S): Jason Dittmer, University College London; Alasdair Pinkerton, Royal Holloway, University of London
 CHAIR(S): Alasdair Pinkerton, Royal Holloway, University of London
4:40 Laura Jones*, Aberystwyth University, *Performing common-place geopolitics at a 9/11 Truth Movement conference.*
5:00 Jason Dittmer*, University College London, *Antichrist Obama? Evangelical Geopolitics and Conspiracy Theory.*
5:20 Stephen Young*, University of Washington, *Weapons of Mass Communication.*
5:40 Kimberley Peters*, Royal Holloway, University of London, *Circulations of Rumour and Conspiracy at Sea: the case of 'Radio Caroline'.*
6:00 Steven Flusty*, York University, *The Emperor's Dirty Laundry: A Mystery.*
- 3671. Waldo Tobler Distinguished Lecture in GIScience (Sponsored by Geographic Information Science and Systems Specialty Group)**
Room: Palladian, Omni Shoreham (Panel Session)
 ORGANIZER(S): Jennifer A. Miller, University of Texas at Austin
 CHAIR(S): Jennifer A. Miller, University of Texas at Austin
 Panelists: Richard J. Aspinall, Macaulay Institute

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3672. Narrating Urban Experience

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Neil Walter Davidson, University of Dundee

4:40 Ulrike Gerhard*, University of Wuerzburg, *Dreamland or Wasteland? The discursive structure of cities.*

5:00 Robert Scott Fiedler*, York University, *The Challenge of the "In-Between": Toronto's Postwar (Sub)Urban Spaces.*

5:20 Aya Oda*, Texas A&M University, *Older Adults' Travel Behaviors within Their Own Communities: A Case Study of Yao City, Japan.*

5:40 Marc Brosseau*, University of Ottawa; Anne Gilbert, University of Ottawa, *The asymmetrical border: Linguistic minorities in the Ontario-Quebec contact zone.*

6:00 Neil Walter Davidson, BSci, MRes*, University of Dundee, *The 'night-time economy' in Scottish towns and cities.*

3674. Urban Transitions

Room: Park Tower 8205, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Joe DiGianni, Montclair State University;

Gregory A. Pope, Montclair State University

CHAIR(S): Joe DiGianni, Montclair State University

Panelists: William D. Solecki, Hunter College; Rolf Sternberg, Montclair State University; Gregory A. Pope, Montclair State University; Joe DiGianni, Montclair State University; Robert Winston Taylor, Montclair State University

3675. Political Geographies of the Middle East

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Peter J. Hugill, Texas A&M University

4:40 Joseph Lewis*, Ohio State University, *"You can't get there from here": The Geographies of (and Geostrategy in) Palestinian Development Programs.*

5:00 D. Yavuz Tuyoglu*, *The Contested Territories of the Turkish Nation.*

5:20 Alpan Risvanoglu*, University of South Carolina, *"-Don't let them know my name!": Being an Armenian in Istanbul.*

5:40 Steven Oluic, PhD*, US Military Academy, *The Porous Boundaries and Frontiers of Iraq.*

6:00 Peter J. Hugill*, Texas A&M University, *We Fight for Oil. The American-British struggle to control the Middle Eastern Oil spigot after World War One..*

3676. Sustainable Water Resources Management

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Assaf Alhawas

4:40 Kathryn Zimmerman*, Central Washington University, *"Sustainability" by Power of Scale: Rhetoric, policies, campaigns, and water resource governance for Las Vegas, Nevada.*

5:00 Amy R. Lilienfeld*, University of Wisconsin - Fox Valley, *Development of a Source Water Protection Plan for the Fox Citites, Wisconsin.*

5:20 Johanna Wadsley*, The Open University, *Financing Water For All: a moral economy of global water governance.*

5:40 Bhuiyan Monwar Alam*, The University of Toledo; Sharmin Sultana, The University of Toledo, *Implications of U.S. - Mexico Water Sharing on Ganges Water Dispute Resolution: A Bangladeshi Perspective.*

6:00 Assaf A Alhawas*, King Saud University, *Towards Sustainable Water Resources for Saudi Arabia.*

3677. Residential Environments and Housing

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Josh Bazuin, Vanderbilt University

4:40 Anne-Marie Séguin*, INRS Urbanisation Culture et Société, Université du Québec, *Factors encouraging the propagation of the gated community model: Lessons from a metropolis where the gated communities are almost absent.*

5:00 Dulce Bueno*, Binghamton University, *Exploring Gentrification in Harlem, N.Y. Using Geographic Information System.*

5:20 Julia Koschinsky, Dr.*, Arizona State University; Emily Talen, Dr., Arizona State University, *Is Affordable Housing in Sustainable Neighborhoods and Does it Matter for Resident Outcomes?.*

5:40 Joshua Theodore Bazuin*, Vanderbilt University; James C. Fraser, Vanderbilt University, *The Ghost of the Projects: The Spectre of Historically Dysfunctional Public Housing in HOPE VI Redevelopment.*

3678. Remote Sensing and Climatology

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): J. Ronald Eastman, Clark University

4:40 Tao Zheng*, Central Michigan University, *Predicting NDVI over Eurasian Grassland Using Surface Meteorological and Radiative Variables.*

5:00 Gwangyong Choi*, Kangwon National University; Sinkyu Kang, Kangwon National University; Jihye Lee, Kangwon National University, *Improvements of the Global NPP to GPP Ratio Data Set Derived from MODIS Imagery.*

5:20 Qingling Wu*, Clark University; J. Ronald Eastman, Clark University, *Extended EOT Analysis of Multi-level Ocean/Atmosphere Temperature.*

5:40 Suzanne E Briggs, M.S.A. Candidate*, Ryerson University; Andrew A Millward, Ph. D., Ryerson University Geography, Toronto, Canada, *Temporal Variability in the Spatial Distribution of Greater Toronto's Urban Heat Island.*

6:00 J. Ronald Eastman, Ph.D.*, Clark University, *Climate Teleconnections: An Empirical Orthogonal Teleconnection (EOT) Analysis of Global Sea Surface Temperature.*

3679. Regional Development

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clyde Mitchell-Weaver, University of Pittsburgh

4:40 Kate Skaggs*, College of Charleston, *How an Emerging "Nature Class" may be Shaping Regional Development in South Carolina's Lowcountry.*

5:00 Basilio Verduzco-Chavez, Dr*, Universidad De Guadalajara; Maria Basilia Valenzuela-Varela, Profesor, Universidad De Guadalajara; Alvaro Mora Maciel, Universidad De Guadalajara, *Redrawing a regional economy after large infrastructure projects&do small businesses and ethnic minorities have an opportunity.*

5:20 John R. Miron, Professor*, University of Toronto, *Thünen, Walras, and the Regional Economy.*

5:40 Enru Wang*, University of North Dakota, *Fiscal Decentralization and Regional Inequalities in China.*

6:00 Clyde Mitchell-Weaver*, University of Pittsburgh; G M Joachim Boko, Graduate Student, University of Pittsburgh, *Logistics Corridors and North American Integration in the Twenty-First Century.*

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3680. Economic Livelihoods and Social Change in Africa

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Simone Rettberg, Free University Berlin

4:40 Danielle Del Castillo Shelton, undergraduate student*, Texas State University Dept of Geography, *A Slaughterhouse to Serve Them All: Case Study of Community Resilience Building among the Keekonyokie Maasai of Southern Kenya.*

5:00 Joshua J Ramisch, PhD*, University of Ottawa, *"The rains have always made us work hard": The livelihood context of climatic and other 'vulnerabilities' in Kenya's medium potential agroecozones.*

5:20 Sarah D'haen*, University of Louvain-la-Neuve, Belgium; Eric Lambin, University of Louvain-la-Neuve, Belgium, *A climate for wealth: household labour allocation and climate variability in Burkina Faso.*

5:40 Simone Rettberg*, Free University Berlin, *Pathways of pastoral adaptation and resistance to socio-ecological change: evidence from the Afar region/Ethiopia.*

3681. Geocollaboration for Decision Making Supported by Cyberinfrastructure

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Barry N. Haack, United States Geological Survey

4:40 David Frost Attaway*, Student, *Developing a Spatial Decision Support System to Help Envision Future Federal Workplaces in the National Capital Region.*

5:00 Misha Chakrabarti*, University of Pennsylvania; Sucharita Gopal, Professor, Boston University; David Kealey, Boston University, *Impacts of Geosocial Networks on Consumer Spatial Decision Making and Behavior.*

5:20 Matthew Dance, BA*, University of Alberta; Arie Croitoru, Ph.D., University of Alberta; Ofer Arazy, Ph.D., University of Alberta, *Towards a Conceptual Framework for Understanding Location-Based Mass Collaboration Systems.*

5:40 Michael Stryker*, The Pennsylvania State University; Sen Xu, The Pennsylvania State University; Thomas Watson, The Pennsylvania State University; Bo Yu, The Pennsylvania State University, *An evaluation of a tool for map-based, asynchronous deliberation.*

6:00 Barry N. Haack*, United States Geological Survey, *Exploring the Hindu Kush-Karakoram-Himalaya (HKHH) Partnership Project Decision Support Toolbox for Sagarmatha National Park.*

3682. Habitat and Land Cover Issues

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Evan Lue, University of Southern California

4:40 Michael A. O'Neal*, University of Delaware; Brian Hanson, University of Delaware; Dan Leathers, University of Delaware; Lyndsey Roth, University of Delaware, *A Field-Based Model of the Effects of Landcover Changes on Daytime Summer Temperatures in Alpine Settings.*

5:00 Ryan G Lauritsen*, Department of Geography, Ohio State University, *Influences on 20th Century United States Diurnal Temperature Range Variations.*

5:20 Christopher E Luszczyk*, York University; Roberto Quinlan, Associate Professor, York University, *Spatial variation in littoral macroinvertebrate communities across Nunavut, Canada.*

5:40 Travis Tennessen*, University of Wisconsin-Madison, *Who Belongs on Kodiak?: Understanding Alaska's Introduced Wildlife.*

6:00 Evan Lue*, University of Southern California; John P Wilson, University of Southern California; Travis R Longcore, University of Southern California, *Assessing fuzzy k-means landscape classification as a complement to GPS collar data in determining Catalina island fox habitat preferences.*

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3706. AAG Atlas Award Presentation and Lecture by Jane Goodall Gombe and Beyond: The Next 50 Years

Friday, April 16, 6:30 p.m. - 8:00 p.m.

Room: *Marriott Ballroom and Balconies, Lobby Level*

Introduction: Douglas Richardson, AAG Executive Director

Presentation of Atlas Award: Carol Harden, AAG President

Speaker: **Jane Goodall**, Ph.D., DBE; Founder – The Jane Goodall Institute & UN Messenger of Peace

World-renowned primatologist, anthropologist, environmentalist, and humanitarian **Dr. Jane Goodall** will be presented with the inaugural AAG Atlas Award. This new award is designed to recognize and celebrate outstanding accomplishments that advance world understanding in exceptional ways. Widely recognized for her groundbreaking study of chimpanzees, which she began in Tanzania in 1960, Dr. Goodall is a renowned advocate for conservation and environmental causes. The award presentation will be followed by an address entitled, *Gombe and Beyond: The Next 50 Years*, to be delivered by Dr. Goodall to a gathering of geographers, media members, and other meeting attendees.

The year 2010 marks a monumental milestone for the Jane Goodall Institute (JGI) and its founder, Dr. Jane Goodall, DBE. Fifty years ago, Goodall, who is today a world-renowned primatologist, conservationist and UN Messenger of Peace, first set foot on the shores of Lake Tanganyika, in what is now Tanzania's Gombe National Park. The chimpanzee behavioral research she pioneered there has produced a wealth of scientific discovery, and her vision has expanded into a global mission to empower people to make a difference for all living things. While the original research was conducted using binoculars and notebooks, half a century later this long-term study employs state-of-the-art geospatial technologies such as QuickBird satellite imagery (DigitalGlobe) and ArcGIS tools (ESRI) to monitor chimpanzee habitat inside and outside the park.

In her lecture, *Gombe and Beyond: The Next 50 Years*, Dr. Goodall will reflect - both personally and professionally - on the meaning of the past five decades, the extraordinary changes the world has seen since 1960, and the impact these changes have had on people, animals and the environment we all share. In addition, she will discuss the role we must all play over the next 50 years to ensure a better future for generations to come. For more information about Dr. Goodall and her work, please visit www.janegoodall.org and www.rootsandshoots.org.

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3808. Coastal and Marine Specialty Group Business Meeting (Sponsored by Coastal and Marine Specialty Group)

Room: *Maryland Suite A, Marriott, Lobby Level* (Meeting Session)

3809. Urban Geography Specialty Group Business Meeting (Sponsored by Urban Geography Specialty Group)

Room: *Maryland Suite B, Marriott, Lobby Level* (Meeting Session)

3811. Recreation, Tourism, and Sport Specialty Group Business Meeting (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: *Nathan Hale, Marriott, Lobby Level* (Meeting Session)

3816. Landscape Specialty Group Business Meeting (Sponsored by Landscape Specialty Group)

Room: *Park Tower 8216, Marriott, Lobby Level* (Meeting Session)

3817. Middle East Specialty Group Business Meeting (Sponsored by Middle East Specialty Group)

Room: *Park Tower 8219, Marriott, Lobby Level* (Meeting Session)

3821. Regional Development and Planning Specialty Group Business Meeting (Sponsored by Regional Development and Planning Specialty Group)

Room: *Virginia Suite B, Marriott, Lobby Level* (Meeting Session)

3822. Socialist and Critical Geography Group Business Meeting (Sponsored by Socialist and Critical Geography Specialty Group)

Room: *Virginia Suite C, Marriott, Lobby Level* (Meeting Session)

3823. Water Resources Specialty Group Business Meeting and 2010 WRSG Distinguished Career Award Ceremony (Sponsored by Water Resources Specialty Group)

Room: *Coolidge, Marriott, Mezzanine Level* (Meeting Session)

3824. Biogeography Specialty Group Business Meeting (Sponsored by Biogeography Specialty Group)

Room: *Harding, Marriott, Mezzanine Level* (Meeting Session)

3825. Communication Geography Specialty Group Business Meeting (Sponsored by Communication Geography Specialty Group)

Room: *Hoover, Marriott, Mezzanine Level* (Meeting Session)

3842. Wine Specialty Group Business Meeting (Sponsored by Wine Specialty Group)

Room: *Wilson A, Marriott, Mezzanine Level* (Meeting Session)

3843. Geography Education Specialty Group Business Meeting (Sponsored by Geography Education Specialty Group)

Room: *Wilson B, Marriott, Mezzanine Level* (Meeting Session)

3844. Energy and Environment Specialty Group Business Meeting (Sponsored by Energy and Environment Specialty Group)

Room: *Wilson C, Marriott, Mezzanine Level* (Meeting Session)

3848. Cultural and Political Ecology Specialty Group Business Meeting (Sponsored by Cultural and Political Ecology Specialty Group)

Room: *Lincoln Room 4, Marriott, Exhibition Level* (Meeting Session)

SATURDAY

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

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4046. Military Geography Specialty Group Business Meeting (Sponsored by Military Geography Specialty Group)

Room: Lincoln Room 2, Marriott, Exhibition Level (Meeting Session)

SATURDAY, APRIL 17 • 8:00 AM - 9:40 AM • 4100

4102. Atmospheric Circulation and the Cryosphere (Sponsored by Climate Specialty Group, Cryosphere Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Gina Henderson, University of Delaware;

Daniel J. Leathers, University of Delaware

CHAIR(S): Gina Henderson, University of Delaware

8:00 Daria Kluver*, University of Delaware, *Seasonal snowfall prediction using regionalized multiple discriminant analysis.*

8:16 Weihang Chan*, University of Delaware; Daniel J. Leathers, University of Delaware, *Links between Arctic Summer Sea Ice Area and Subsequent winter North Atlantic Oscillation.*

8:32 Daniel J. Leathers*, University of Delaware, *Snow Cover Ablation, Synoptic Weather Types and Winter Season Chesapeake Bay Hydrology.*

8:48 Gina R Henderson*, University of Delaware; Daniel J. Leathers, University of Delaware; Brian Hanson, University of Delaware, *Modeled responses to anomalous snow conditions in the Northern Hemisphere in a GCM coupled to a slab ocean model.*

9:04 Oliver W. Frauenfeld*, Texas A&M University; Paul C. Knappenberger, New Hope Environmental Services, Inc.; Patrick J. Michaels, Cato Institute, *Reconstructed Greenland melt extent for the past two and a quarter centuries.*

9:20 Neil P Barton*, The University of Delaware; Dana Veron, University of Delaware, *Variability in Arctic Clouds; large-scale dynamics and local forcing.*

4103. Social Geography of Risk: Which Approaches? I (Sponsored by Hazards Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Pierpaolo Mudu, Università Di Roma; Elise Beck, Joseph Fourier University

CHAIR(S): Ben Wisner, Independent Scholar

8:00 Damienne Provitolo*, UMR Géoazur; Edwige Dubos-Paillard*, UMR 6049 ThéMA; Muller Jean-Pierre, CIRAD, *Describing knowledge of the domain of risk and catastrophe by the creation of an ontology.*

8:15 Daniel Harrington*, McMaster University; Susan J Elliott, McMaster University; Ann Clarke, McGill University Health Centre, *Says Who? Exploring the role of the media in the social construction of an emerging environmental health risk.*

8:30 Pietro Saitta*, University of Messina, *Quality and Quantity: Knowledge and Politics in the Field of Risk.*

8:45 Céline Lutoff*, University of Grenoble, UMR PACTE, Grenoble, France; Isabelle Ruin, NCAR, Boulder, Colorado; Sandrine Anquetin, CNRS, LTRE, Grenoble, France; Jean-Dominique Creutin, CNRS, LTRE, Grenoble, France; Marc Bertran Rojo, University of Grenoble, UMR PACTE, Grenoble, France, *Forecasts, warnings and mobility facing flash floods: Is temporality a major problem?.*

9:00 Laurence Créton-Cazanave*, UMR Pacte-Territoires; Céline Lutoff, UMR Pacte-Territoires; Olivier Soubeyran, UMR Pacte-Territoires, *How do we (actually) process a flash-flood warning? Thinking the distance, or the place of geographers. Case study: flash-flood warning in the Gard département, South of France.*

9:15 Sara Edge, MES*, McMaster University; John Eyles, PhD, McMaster University, *'To Ban or Not to Ban?' Scientific & Political Claims-making in Toxic Management: The Case of Bisphenol A.*

4104. China and Urban Planning

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Anthony Howell, UCLA

8:00 Xiaolan Yang, The Chinese University of Hong Kong; Yang Xiaolan*, The Chinese University of HongKong, *Beyond state territory: an empirical research on Chinese cities in the world city network.*

8:20 Ke Zhou*, Feiqiong Wu, *How to Use the Use Right Transaction System of Rural Land to Improve the Urbanization Quality of China.*

8:40 Anthony Howell, M.S.*, UCLA, *The Emergence of Local Labor Markets in Xinjiang, China: empirical evidence that examines Han-Uighur employment variation in Urumqi's private service sector.*

4105. Urban Geographies

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): LeeAnn Lands, Kennesaw State University

8:00 Hanaa Motasim*, Catholic University of Leuven, *Differentiating between IDPs and Refugees: Using 'Space' as a Parameter for Differentiation.*

8:20 Benke Gavin*, U. of Texas at Austin, *Company Town: The Freight Relationship between Enron and Houston, TX.*

8:40 Yeon-Taek Ryu*, Chungbuk National University, South Korea, *Legal and Ethical Issues Associated with Impact Fees.*

9:00 LeeAnn Lands, Ph.D.*, Kennesaw State University, *Rights Talk and Rules Talk: Tenant Organizing in Atlanta in the 1960s and 1970s.*

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4106. Migration and Creative Class Theory

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

ORGANIZER(S): Karen King, University of Toronto; Kathrine E. Richardson, San Jose State University

CHAIR(S): Karen King, University of Toronto

8:00 David A McGranahan*, Economic Research Service/USDA; Timothy R Wojan, Economic Research Service/USDA; Tracey Farrigan, Economic Research Service/USDA, *Creative places as Migration filters*.

8:20 Karen M King, PhD*, University of Toronto, *Technology, Talent and Tolerance and Internal Migration: Evidence from the 2001 Census of Canada*.

8:40 Ali Tayebi*, University of Texas at Arlington, *Using a knowledge-based framework of urban economic growth to explain different population migration trends in Dallas-Fort Worth and Philadelphia Metropolitan Areas*.

9:00 Kathrine E. Richardson, Ph.D.*, San Jose State University; Richard Florida, Ph.D., University of Toronto; Kevin Stolarick, University of Toronto, *The New Location Advantage: Using the Power of Place to Attract Global Talent*.

9:20 Jorg Ploger, Dr.*, ILS - Research Institute for Regional and Urban Development, *Another Item on the "Curriculum" of Urban Competitiveness? - The Emergence of International Schools and Educational Degrees in the Ruhr Area, Germany*.

4107. B/ordering Europe: Internal and external borders in the European Union I (Sponsored by European Specialty Group, Political Geography Specialty Group, Qualitative Research Specialty Group)

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

ORGANIZER(S): Celia (Luna) Vives-Gonzalez, University of British Columbia; Maria Lois, Prof. University Complutense

CHAIR(S): Guntram Herb, Middlebury College

8:00 Xavier Ferrer-Gallardo*, Universitat Autònoma de Barcelona, *Ceuta, Gibraltar and the Herculean Divide of Cross-Border Cooperation: Overcoming Sovereignty Disputes in the Western Mediterranean?*.

8:15 Maria Lois*, University Complutense Madrid, *Practising Europe in the EU borders?: local geographies, tourism and spatial socialization in the Spanish-Portuguese border*.

8:30 Katherine Hepworth*, University of Technology Sydney, *Differential porosity: Practicing the Italian border within Romanian Roma encampments*.

8:45 Corey Johnson*, University of North Carolina - Greensboro, *Policing the Margins: Is the EU Behaving as a Sovereign State at its External Boundary?*.

Discussant(s): Celia (Luna) Vives-Gonzalez, University of British Columbia

4108. Paleoenvironments of the Circum-Caribbean (Sponsored by Paleoenvironmental Change Specialty Group)

Room: *Maryland Suite A, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Maria Caffrey, University of Tennessee; Ian Slayton

CHAIR(S): Maria Caffrey, University of Tennessee

8:00 Ian A Slayton*, University of Tennessee, Knoxville; Sally P Horn, University of Tennessee, Knoxville; Kenneth H Orvis, University of Tennessee, Knoxville, *Pollen Analysis at Emerald Pond, Great Abaco Island, The Bahamas*.

8:20 Amy M. Bloom*, Illinois State University; Jennifer E. Slate, Northeastern Illinois University; Robert A. Dull, The University of Texas at Austin; Sabine W. Bowen, The University of Texas at Austin, *Diatom-based reconstruction of late Pleistocene and Holocene environmental conditions at Lake Nicaragua, Central America*.

8:40 Pat Farrell*, University of Minnesota Duluth; Nicholas Dunning, University of Cincinnati; Peter Siegel, Montclair State University; John G. Jones, Washington State University; Deborah Pearsall, University of Missouri - Columbia, *Island Hopping: A Preliminary Report on Early Human Environmental Impacts in the Lesser Antilles*.

4109. Elevation modeling applications at global, regional, and local scales (Sponsored by Geomorphology Specialty Group, Remote Sensing Specialty Group)

Room: *Maryland Suite B, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Peter George Chirico, United States Geological Survey; Jeffrey J. Danielson, United States Geological Survey

CHAIR(S): Peter George Chirico, United States Geological Survey

8:00 Jeffrey J. Danielson*, United States Geological Survey, *A New Enhanced Global Digital Elevation Model (DEM): Final Accuracy Assessment And Hydrological Comparisons*.

8:20 Dean Gesch*, U.S. Geological Survey, *Elevation Uncertainty in Sea-Level Rise Assessments: How Much Land is Really at Risk?*.

8:40 William Charles Wright, MS Civil Engineering*, West Point, NY; Michael David Hendricks, Associate Professor, West Point, NY; Hannon Albert Didier, Assistant Professor, West Point, NY, *Development and evaluation of route elevation profiles and slope values..*

9:00 John C MacLachlan*, McMaster University; Carolyn H Eyles, McMaster University, *Mapping and Analysis of Drumlins in Guelph, Ontario, Canada*.

9:20 Peter George Chirico*, United States Geological Survey, *A semi-automated approach to fluvial surficial materials mapping from a high resolution DEM and hydrographic data*.

4110. Animal Geographies: Wildlife and Wild Animals (Sponsored by Animal Geography Specialty Group)

Room: *Maryland Suite C, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Sharon Wilcox Adams, University of Texas Austin; Stella Capoccia, Rutgers University

CHAIR(S): Sharon Wilcox Adams, University of Texas Austin

8:00 Sharon Wilcox Adams*, University of Texas Austin, *Spotted in the Wilderness: Hunting for the Jaguar in the United States and Mexico*.

8:20 Stella Capoccia, Ph.D. Candidate*, Rutgers University, *Wildlife conservation in Kenya: advocates and animal protection*.

8:40 Karen Hibbard-Rode Mager, PhD. Candidate*, University of Alaska Fairbanks, *Identifying caribou herds: the role of local knowledge, range spaces, and historical legacies in understanding animals on Alaska's North Slope*.

9:00 Tino Petri Johansson*, University of Helsinki, Department of Geosciences and Geography, *The role of wild animals in local stakeholders' perceived images of African countryside - a case study of the Liwale District, Tanzania*.

SATURDAY, APRIL 17 • 8:00 AM - 9:40 AM • 4100**4111. Topics in Biogeography and Environment**

Room: *Nathan Hale, Marriott, Lobby Level* (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jordan Howell, Michigan State University

8:00 Steve Stevens*, University of New Orleans, *Aftercare of Companion Animals*.

8:07 Taly Drezner, Ph.D.*, York University; Christopher Donnermeyer, Northern Arizona University, *The Regeneration of a Keystone Species and the Relationship to Global-Scale Climate and Volcanism*.

8:14 Colin J. Courtney Mustaphi*, Carleton University Paleocology Laboratory, Dept. of Geography and Environmental Studies, Carleton University; Courtney L. Steele, Dept. of Geography and Environmental Studies, Carleton University; John Nesbitt, Tree-Ring Lab at UBC, Dept. of Geography, University of British Columbia; Lori D. Daniels, Tree-Ring Lab at UBC, Dept. of Geography, University of British Columbia; Michael F.J. Pisaric, Carleton University Paleocology Laboratory, Dept. of Geography and Environmental Studies, Carleton University, *Late Holocene climate-fire-vegetation interactions in the West Kootenay District, British Columbia, Canada, inferred from lake sediments*.

8:21 Emariana Taylor*, Kent State University, *Bats in Buildings, Bridges, Culverts and Crevices: Modeling the Distribution of Bat Urban Habitat Use*.

8:28 Julie P. Tuttle*, University of North Carolina at Chapel Hill; Peter S. White, Ph.D., University of North Carolina at Chapel Hill, *Can maxent modeling be used to interpret 65 years of forest change in Great Smoky Mountains National Park, USA?*.

8:35 Kristen Dawn Winter*, Central Washington University, *Evaluating Models for Wildlife Conflict Management Practices*.

8:42 Kerry Ard*, University of Michigan, *Segregation, Mobility and Pollution: Does Residential Segregation Lock African-American and Low Income Individuals in Polluted Neighborhoods and how Might this Effect Health?*.

8:49 Lori Kumler*, Youngstown State University, *Human and environment interactions: Closing the loop in teaching*.

8:56 Ariane De Bremond, PhD*, Goucher College, *'Sustaining' landscapes in post-peace El Salvador: Rural environmental governance in the age of climate change*.

9:03 Eliza L. Gross*, United States Geological Survey, *Estimating the Probability of Elevated Arsenic Concentrations in Pennsylvania Groundwater*.

9:10 Rushforth Richard*, University of Arizona; Richard Rushforth, University of Arizona, *Looking for Value in Wastelands: Developing Renewable Energy on Degraded and Polluted Lands*.

9:17 Yajing Emily Li*, Clark IDCE; China Environment Forum, Woodrow Wilson Center, *Green Transportation: Driving Towards a Green Economy in China*.

9:24 Jordan P. Howell*, Michigan State University, *Geographic Trends in the Development of Michigan's Electricity System*.

4112. Spaces of Standards and Standardization I (Sponsored by Economic Geography Specialty Group, Political Geography Specialty Group)

Room: *Park Tower 8206, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Corey Johnson, University of North Carolina - Greensboro; Ulrich Ermann, Institute for Regional Geography

CHAIR(S): Ulrich Ermann, Institute for Regional Geography

8:00 Douglas Grane*, University of Iowa, *Expanding and Emerging spaces of Program Evaluation*.

8:20 Melanie Feakins*, UC Berkeley, *Local Experiments with Global Certificates*.

8:40 Simon Bolwig*, DTU Climate Centre, Risø, Technical University of Denmark; Peter Gibbon, Danish Institute for International Studies, *Emerging product carbon footprint standards and their possible trade impacts*.

9:00 Gale Raj Reichert*, University of Manchester, *Environmental Standards in the Governance of Global Commodity Chains and the Relocation of Harmful Production*.

9:20 Michael R. Glass*, University of Pittsburgh, *Selling the Standard: Standards Developing Organizations, Knowledge Production, and the Global Market for Water Industry Standards*.

4113. Immigrant Incorporation in the U.S. and the Politics of Scale (Sponsored by Population Specialty Group, Political Geography Specialty Group, Ethnic Geography Specialty Group)

Room: *Park Tower 8209, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Marie D. Price, George Washington University

CHAIR(S): Marie D. Price, George Washington University

8:00 Hiromi Ishizawa*, George Washington University, *Civic Participation among Young Adults across Immigrant Generations*.

8:20 Patricia L. Price*, Florida International University, *Extroverted Enclaves: Rethinking the Local (and the Locals) Through Little Havana*.

8:40 Sarah A. Blue*, Northern Illinois University, *Place Matters!: Immigrant Recruitment to Post-Katrina New Orleans*.

9:00 Nicole Prchal Svajlenka*, The George Washington University, *The Politics of Immigrant Integration and Local Enforcement Strategies in Metropolitan Washington DC*.

9:20 Marie D. Price*, George Washington University; Elizabeth Chacko, George Washington University; Lindsey Withers, George Washington University, *Turning Immigrants into Entrepreneurs: An Analysis of Urban Policies that Promote Immigrant Entrepreneurship*.

4114. Gender and Environment I: Gender and Global Environmental Justice (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Cultural and Political Ecology Specialty Group)

Room: *Park Tower 8210, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Diana Ojeda, Clark University; Roberta Hawkins, Clark University

CHAIR(S): Roberta Hawkins, Clark University

8:00 Laura Zanotti*, Purdue University, *Gender and Resistance Strategies: A Feminist Political Ecology analysis of Protests, Participation and Power in the Central Brazilian Amazon*.

8:15 Ryan Ehrhart*, City University of New York, *Gender and the Reproduction of Environmental Conditions in a Developing Rural Agricultural Context*.

8:30 Jill Williams*, Clark University, *Environmental Protection, Border Militarization, and Exclusionary Nationalism in Southern Arizona*.

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8:45 Diana Ojeda*, Clark University, *"Paradise Regained": Security, Gender and Nature Tourism in Colombia*.
Discussant(s): Roberta Hawkins, Clark University

4115. Re-regionalizing the Food System?, sponsored by Cambridge Journal of Regions, Economy, and Society (Sponsored by Economic Geography Specialty Group)

Room: Park Tower 8212, Marriott, Lobby Level (Panel Session)
ORGANIZER(S): Melanie Bedore; Betsy Donald, Queen's University
CHAIR(S): Betsy Donald, Queen's University
Panelists: Melanie Bedore; Betsy Donald, Queen's University; Linda Lobao, Ohio State University; Sean Field, Queen's University; Nathan C. McClintock, University of California, Berkeley

4116. Coastal Geomorphology and Management I (Sponsored by Geomorphology Specialty Group, Coastal and Marine Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Jean Taylor Ellis, University of South Carolina; Chris Houser, Texas A&M University
CHAIR(S): Bailiang Li, Texas A&M University
8:00 Gemma Barrett*, Texas A&M University, *Relating beach use and rip currents*.
8:20 Chris Houser*, Texas A&M University, *Field Measurement of Flow Velocities Over a Beach Step during Drag Down and Infilling*.
8:40 Stephanie Hill*, East Carolina University; Paul Gares, Professor, East Carolina University, *Exploratory Analysis of Storm Generated 'Wave Events' from 1997-2007 at Duck, NC*.
9:00 Elspeth M Rae*, University of New South Wales, at the Australian Defence Force Academy, *Ground Penetrating Radar of a Holocene Beach Ridge Plain Indicate Small Sea Level Fluctuations*.
9:20 Daniel A Friess, Dr.*; National University of Singapore; Dominic See, National University of Singapore; Edward L Webb, Dr., National University of Singapore, *Elevation and Stem Density Relationships Affecting Sediment Deposition in a Rhizophora-dominated Mangrove*.

4117. Mapping Lebanon: Historical/Contemporary Geographies of State and Society - Session I (Sponsored by Middle East Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Kevin M. DeJesus, York University
CHAIR(S): John A. Agnew, University of California - Los Angeles
8:00 Patrick Vincent McGreevy*, American University of Beirut, *Embracing the Future in the Capital of Chaos: Lebanon's Alternative Modernity*.
8:12 Hatim El Hibri*, NYU, *Sectarianism, Maps, and Beirut: Towards a History of the Translation of Space from the Mandate through the civil war (1920-1991)*.
8:24 Ashley Emerson, M.A.*, Western Michigan University, *"Conflicting Passions": Religion, Eisenhower, and the Lebanese Crisis of 1958*.
8:36 Rudy Mounir Sassine, B.A.*, The Lebanese Emigration Research Center LERC; Rudy Mounir Sassine, B.A., The Lebanese Emigration Research Center, *An attempt at explaining Christian anti-Americanism in Lebanon*.
8:48 Eric Bordenkircher*, UCLA, *Elections without losers? The Lebanese Political System after the Syrian Withdrawal*.
Discussant(s): Benjamin N. Smith, Florida International University

4118. Transnational Mexico: Militarization, Maize and Migration (Sponsored by Socialist and Critical Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group, Latin America Specialty Group)

Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Melissa W. Wright, Penn State University
CHAIR(S): Tad Mutersbaugh, University of Kentucky
8:00 Kristin L Mercer*, Ohio State University, *Climate change and maize diversity*.
8:15 Lise Nelson, Associate Professor*, University of Oregon, *The Reproduction of North-South Power Relations in Mexican Migrant 'Hometown Association' Networks*.
8:30 Melissa W. Wright*, Penn State University, *Drug Wars, Wars on Drugs and Democracy: Reflections from Mexico*.
8:45 Tad Mutersbaugh*, University of Kentucky, *Geography, Communitarity, and Militarization in Southern Mexico*.
9:00 Altha J. Cravey, PhD*, University of North Carolina, Chapel Hill, *Mexico, Race, Racism, Migrants, Deportation*.

4119. Healthy Planet, Healthy Places, Healthy People (Sponsored by Health and Medical Geography Specialty Group, Graduate Student Affinity Group, Energy and Environment Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Amy Roe, University of Delaware
CHAIR(S): Amy Roe, University of Delaware
8:00 Thomas Battagliese*, University of Delaware Center for Energy and Environmental Policy, *Sustainability Implications of the Emerging Bioeconomy*.
8:20 Sophia A Harmes*, University of Delaware Center for Energy and Environmental Policy, *An Alarming Response: "Access to Chemical Fertilizer Determines Everything"*.
8:40 Peter Andrews Olmsted*, University of Delaware Center for Energy and Environmental Policy, *Taking the Sustainable Energy Model to the Next Level*.
9:00 Kuholski Kate*, University of Delaware Center for Energy and Environmental Policy, *Making Energy Healthier*.

4120. Snow Drifts - Exploring North's Shifting Cultural Terrains (Sponsored by Canadian Studies Specialty Group, Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Elizabeth S. Vidon, Indiana University; Lisa Cooke, Thompson Rivers University
CHAIR(S): Elizabeth S. Vidon, Indiana University
8:00 Tanya Argounova-Low, Dr.*, University of Aberdeen, *Roads in Siberia: Perception and Experience*.
8:20 Laura Prazeres*, University of Ottawa, *Gendered Experiences of the Northern Landscape*.

4121. Jacques Rancière and Critical Spatial Scholarship (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Virginia Suite B, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Nicholas Dahmann, University of Southern California; Carolyn Cartier, University of Technology, Sydney
CHAIR(S): Nicholas Dahmann, University of Southern California
8:00 Carolyn Cartier, Professor*, University of Technology, Sydney, *Sudden Culture: Urban Redevelopment in Hong Kong and a Politics of Aesthetics*.
8:20 Mustafa Dikec*, Royal Holloway, University of London, *Politics is Sublime*.
8:40 Mark Purcell*, University of Washington, *Ranciere and Revolution*.
9:00 Nicholas Dahmann*, University of Southern California, *Rancière and Skid Row: "Lessons" on Spatial Politics*.
Discussant(s): Nik Heynen, University of Georgia

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4122. **Glaciers and Changing Environments: Processes and Impacts (1) (Sponsored by Cryosphere Specialty Group, Human Dimensions of Global Change Specialty Group, Mountain Geography Specialty Group)**

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Bryan G. Mark, The Ohio State University;

Adam French, University of California, Santa Cruz

CHAIR(S): Bryan G. Mark, The Ohio State University

Introducer: Bryan G. Mark

8:00 Andrew Fountain*, Portland State University; Hassan J Basagic, Portland State University; Matthew Hoffman, Portland State University; Kristina Thomeycroft, Portland State University; Mark DeVisser, Portland State University, *The rapid retreat of glaciers in the continental US.*

8:20 Ellen Mosley-Thompson*, Ohio State University; Lonnie G. Thompson, Ohio State University; Henry H. Brecher, Ohio State University; Douglas R. Hardy, University of Massachusetts Amherst; Bryan G. Mark, Ohio State University, *Abrupt Climate Change: It has happened before and it is happening now!*

8:40 Bryan G. Mark*, The Ohio State University; Jeffrey M McKenzie, McGill University; Michel Baraer, McGill University; Sarah Fortner, The Ohio State University; Michael Shoenfelt, The Ohio State University, *Hydrochemical Insights to Changing Tropical Glacier Environments in Peru.*

9:00 Adam French*, University of California, Santa Cruz, *Webs and Flows: A Political Hydrology of Risk and Resistance in the Peruvian Andes.*

9:20 David Blauvelt*, University of Newcastle, *Modelling proglacial landsystems with Digital Elevation Models (DEMs): Skeiðarárjökull, Iceland, 1945-2007.*

4123. **Integrating Ecology and Political Ecology I (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Thomas J. Bassett, University of Illinois

CHAIR(S): Tim Forsyth, London School of Economics

8:00 Petra Tschakert*, Penn State University; Maureen Biermann, Penn State University, *Managing resilience: Synergies between political ecology and climate change adaptation.*

8:20 Moussa KONE*, University of Illinois at Urbana-Champaign; Thomas J. Bassett, University of Illinois at Urbana-Champaign, *Integrating savanna ecology and burning regimes into global climate change models: The Case of Côte d'Ivoire.*

8:40 Baptiste Hautdidier*, Cemagref, UR ADBX; Denis Gautier, Cirad, *Empowered Woodcutters In An Impoverished Forest? Local Struggles Around The Management And The Ecology of Malian Mesic Savannas.*

9:00 Elizabeth (Za) Barron*, Rutgers University; Marla R. Emery, Ph.D., USDA Forest Service, *Social-Ecological Systems and Cross-Scale Dynamics: Developing Scale Appropriate Policies for Nontimber Forest Products.*

9:20 Jacques POLLINI, PhD*, Hendrix College, *The use of ecological models in environmental geography: from the equilibrium/nonequilibrium controversy to ecosystem history.*

4124. **Landscape and Environment I: Environmental Planning and Change**

Room: Harding, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Christopher Badurek, Appalachian State University

CHAIR(S): Christopher Badurek, Appalachian State University

8:00 Stanislav Martinat*, Institute of Geonics, Academy of Sciences of the Czech Republic, Department of Environmental Geography, Ostrava, Czech Republic, *Agricultural change in sub-mountain and mountain conditions under Common Agricultural Policy (CAP) of the European Union. Case of the Czech Republic.*

8:20 John Jesse Minor*, University of Arizona; Paul F. Robbins, PhD, University of Arizona; Paula Decker, University of Arizona, *Effects of rural development on an ecosystem service: Hunting in Montana.*

8:40 Javier Spyker*, Portland State University; Javier David Spyker, Undergraduate, Portland State University, *Portland's Agricultural Landscape: land use, farmers, across the rural-urban divide.*

9:00 Christopher A. Badurek*, Appalachian State University; Richard J. Crepeau, Appalachian State University, *Reconstructing Land Use Histories to Inform Exurban Environmental Planning in Western North Carolina.*

9:20 Jun Tu*, Kennesaw State University, *Impact of Land Use Changes on Water Quality in the Watersheds of Northern Georgia.*

4125. **Space**

Room: Hoover, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick

CHAIR(S): Katherine McKittrick

8:00 Katherine McKittrick*, Queen's University, *Math Space.*

8:20 Clyde Woods*, University of California, Santa Barbara, *Blues Geographies: The Central Avenue, Watts, and South Central Renaissances.*

8:40 Rinaldo Walcott*, University of Toronto, *The White House as Black Space and Place.*

9:00 Simone Browne*, University of Texas at Austin, *Fugitive Truths: Space, Surveillance and The Book of Negroes.*

4126. **World Population Issues (Sponsored by Population Specialty Group)**

Room: Jackson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Kazimierz J. Zaniewski, University of Wisconsin

CHAIR(S): Kazimierz J. Zaniewski, University of Wisconsin

8:00 Kazimierz J. Zaniewski*, University of Wisconsin Oshkosh, *World Population Trends Since 1950.*

8:20 Jitka Rychtarikova*, Charles University in Prague, *Population Aging: Realities and Challenges for Europe and North America.*

8:40 Max Lu*, Kansas State University, *Socioeconomic Transition, One-child Policy and China's Changing Demographic Landscapes.*

9:00 Richard C. Jones*, University of Texas at San Antonio, *Trends in Mexican Migration to the United States.*

9:20 François Michel Le Tourneau, Dr.*, CNRS - CREDAL; Hervé Théry, Dr., CNRS - CREDAL, *Population and environment in Brazil.*

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4127. Collaborative Urban Politics and the Civil Society: Challenges and Opportunities I

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Parama Roy; Sandra Zupan, University of Wisconsin-Milwaukee

CHAIR(S): Sandra Zupan, University of Wisconsin-Milwaukee

8:00 Deanna H. Schmidt, PhD*, University of Houston-Clear Lake, *Community Organizing to Address the Environmental Injustices of Breathing: Negotiating Houston's Initiatives to Improve Air Quality.*

8:20 Barbara Schoenig*, Technical University Darmstadt, *Pragmatic visionaries - ambivalences of civil society based regional planning in metropolitan regions. Case study on the Regional Plan Association's efforts to implement sustainable development in the metropolitan area New York - New Jersey - Connecticut.*

8:40 Parama Roy*, Georgia State University, *Listening to the Voice of Community: Community Empowerment in Boulevard Crossing Park Development in Atlanta.*

9:00 Brendan Brink-Halloran*, Virginia Tech, *A Seat at the Table? Collaborative Governance in Uspantán, Guatemala.*

9:20 Daniel Trudeau, Ph.D.*, Macalester College, *Locating spaces of civic engagement: volunteering and citizenship in Minneapolis-St. Paul.*

4128. Investigating Environmental Influences of Disease

Room: Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kathryn Fisher, McMaster University

8:00 David M. Hondula*, The University of Virginia; Robert E. Davis, The University of Virginia; David B. Knight, Penn State University; Luke J. Sitka, The University of Virginia; Stephen D. Gawtry, The University of Virginia; Caroline P. Normile, Penn State University; Philip J. Stenger, The University of Virginia, *A Respiratory Health Alert Model for the Shenandoah Valley of Virginia, USA.*

8:20 Tonya Farrow-Chestnut*, University of North Carolina at Charlotte, *A Spatial Analysis of Cancer Rates, NPL Sites and Mitigating Income Factors.*

8:40 Christine Hardwick, BA*, *The Dog Days of Texas: Examination of Spatial Associations between ENSO and Rabies Cases in Texas.*

9:00 Kathryn A Fisher, PhD Candidate, M.A.Sc., M.Sc.*, McMaster University; Bruce K. Newbold, PhD, McMaster University, *Towards an Understanding of Chronic Illness in Old Order Mennonites.*

4129. A Common/Place Enlightenment (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Deborah Dixon; Susan Ruddick, University of Toronto

CHAIR(S): Deborah Dixon

8:00 Susan Ruddick*, University of Toronto; Susan Ruddick, University of Toronto; Leesa Fawcett, Faculty of Environmental Studies, York University, *Buried Streams.*

8:20 Santa Arias*, University of Kansas, *Reconfiguring Peru: Mapping and Empire in the Eighteenth Century.*

8:40 Ulf Strohmayer*, University of Ireland Galway, *Knowledge in the political arena: folded knowledge, contestation and the tricky materiality of wrecked historical geographies..*

9:00 Mark Paterson*, University of Exeter, *Invisible evidence? Diderot, Voltaire and the radical possibility of a 'haptic language'.*

9:20 Leesa K. Fawcett, Dr.*, Faculty of Environmental Studies, York University; Susan Ruddick, PhD, Geography Department, University of Toronto, *Estuaries.*

4130. Climate Change and Water Resources: From Impact Assessment to Adaptation I (Sponsored by Water Resources Specialty Group, Climate Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Heejun Chang, Portland State University; Woonsup Choi, University of Wisconsin-Milwaukee

CHAIR(S): Heejun Chang, Portland State University

8:00 Melissa Mauzy*, University of Arizona; Connie Woodhouse, University of Arizona; Jeanine Jones, California Department of Water Resources, *Evaluation of Paleohydrologic Data in Drought Planning for California.*

8:20 Stephen Gray, PhD*, University of Wyoming; Stephen Jackson, PhD, University of Wyoming; Gregory McCabe, PhD, US Geological Survey; Jeffrey Lukas, Western Water Assessment; Bryan Shuman, PhD, University of Wyoming; Gregory Pederson, US Geological Survey; Connie Woodhouse, PhD, University of Arizona, *Applying the Paleoenvironmental Record to Critical Problems in Water Resource Management.*

8:40 Eric A. Sproles*, Oregon State University; Anne W. Nolin, PhD, Oregon State University, *Characterizing Mountain Snowpack and Hydrology in a Pacific Northwest Watershed Using Distributive Models and Analytic Methods.*

9:00 IL WON JUNG*, Portland State University; Heejun Chang, Portland State University; Hamid Moradkhani, Portland State University, *Uncertainty and change in urban flooding under changing climate and growing urbanization in Oregon.*

9:20 Sarah Praskievicz*, University of Oregon; Heejun Chang, Portland State University, *Identifying the Relationships Between Urban Water Consumption and Weather Variables in Seoul, Korea.*

4131. The Organization of Work and Labor Markets in Cities (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): James DeFilippis, Rutgers University

CHAIR(S): Pascale Joassart-Marcelli, San Diego State University

8:00 Pascale Joassart-Marcelli*, San Diego State University; Sean Crotty, San Diego State University, *From Marginal to Mainstream: The Informalization of Work in Southern California.*

8:20 James DeFilippis*, Rutgers University, *Broken Laws, Unprotected Workers: Violations of Employment and Labor Laws in America's Cities.*

8:40 D'Addario Silvia*, York University, *Who Cares? : Work, Home and the Commodification of Care.*

9:00 Chris Benner*, University of California Davis, *Race, Space and Youth Employment: Explaining youth job disparities in America's "Most Integrated City".*

9:20 Peter V. Hall*, Simon Fraser University, *The work of mobility: exploring transport labor markets in place.*

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- 4132. Meeting Rural America's Need for Data: Rural Statistical Areas and the American Community Survey (Sponsored by Applied Geography Specialty Group)**
Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census; Nancy K. Torrieri, U.S. Bureau Of the Census
 CHAIR(S): Michael Ratcliffe, U.S. Bureau Of the Census
 Introducer: Michael Ratcliffe
 Panelists: Nancy K. Torrieri, U.S. Bureau Of the Census; April Avnayim, U.S. Bureau Of the Census; John Cromartie, Economic Research Service, USDA
- 4133. Territory and Cartography: Politics, History, Techniques I (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cartography Specialty Group)**
Room: *McKinley, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Jeremy Crampton, Georgia State University; Stuart Elden, University of Durham
 CHAIR(S): Matthew Farish, University of Toronto
8:00 Jeremy Crampton*, Georgia State University; Stuart Elden*, University of Durham, *Territory and Cartography: Setting the Agenda.*
8:20 Nisha Shah*, Watson Institute, Brown University/CsGG, LSE, *Metaphors, man and maps: the cartographic production of 'territory' as a normative principle.*
8:40 Jouni Häkli*, University of Tampere, *Archiving territory, mapping politics.*
9:00 Mark Monmonier*, Syracuse University, *Aeronautical Charting and the Production, Reproduction, and Regulation of Airspace by the United States.*
9:20 Richard C. Powell*, University of Liverpool, *What is submarine territory? Extending the sovereign rights of the Danish kingdom.*
- 4135. Supporting, encouraging, & assessing faculty productivity across all ranks (Sponsored by Enhancing Departments and Graduate Education project (EDGE), Geography Faculty Development Alliance (GFDA))**
Room: *Taylor, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Ken Foote, University of Colorado
 CHAIR(S): Ken Foote, University of Colorado
 Panelists: Virginia Maclaren, University of Toronto; Xueming Chen, Virginia Commonwealth University; Gerald R. Webster, University of Wyoming; Susan M. Roberts, University of Kentucky; Eric J. Fournier, Samford University
- 4136. Rail Transit Systems I (Sponsored by Transportation Geography Specialty Group)**
Room: *Thurgood Marshall EAST, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Andrew R. Goetz, University of Denver
 CHAIR(S): Andrew R. Goetz, University of Denver
8:00 Richard D. Knowles*, University of Salford; Christian Wichmann Matthiessen, Copenhagen University, Denmark, *Orestad: transit-oriented development in Copenhagen, Denmark.*
8:20 Andrew Ryder*, University of Portsmouth, *London: World city, but world transport? Notes from the Underground..*
8:40 Keith A. Ratner*, Salem State College, *Transit Oriented Development in Boston, Does the Legacy Continue?.*
9:00 Sutapa Bhattacharjee*, University of Denver, *Kolkata Metro: A twenty-five years of experience.*
 Discussant(s): Andrew R. Goetz, University of Denver
- 4137. Keeping the state's secrets? Negotiating critical perspectives in publicly funded security research**
Room: *Thurgood Marshall NORTH, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Jason Robert Burke, University of Toronto
 CHAIR(S): Jason Robert Burke, University of Toronto
 Panelists: Jon Coaffee, University of Birmingham, UK; Paul O'Hare, University of Manchester
- 4138. Public Scholarship and Community Engagement I**
Room: *Thurgood Marshall SOUTH, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Vanessa A. Massaro, Penn State University; Lakshman Yapa, Pennsylvania State
 CHAIR(S): Vanessa A. Massaro, Penn State University
8:00 Arielle Hesse*, Penn State University, *Divided by more than a road: Bridging Parkside and the West Fairmount Park.*
8:20 Siobhan Oconnor*, Penn State University, *Answers to Affordable Housing? Deconstructing the Suburbs.*
8:40 Catherine Sweitzer*, Penn State University; Erin Rudegear*, Penn State University, *Exercising undergraduate student agency through urban agriculture.*
9:00 Melinda Maule*, The Pennsylvania State University, *Improving channels of information transmission in low-income areas.*
 Discussant(s): Garrett Graddy, University of Kentucky
- 4139. Study Abroad I: Expanding the responsibilities of educators of study abroad in the developing world (Sponsored by Geography Education Specialty Group)**
Room: *Thurgood Marshall WEST, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Suzanne Walther, University of Oregon; Robert Swap, University of Virginia
 CHAIR(S): Suzanne Walther, University of Oregon
 Introducer: Suzanne Walther
 Panelists: Robert Swap, University of Virginia; Sharon Meagher, The University of Scranton; Johnathan Walker, James Madison University; Joseph L. Scarpaci, Virginia Military Institute; Nancy Hoalst-Pullen, Kennesaw State University; Francisco Lara, Jeremy Tasch, Towson University
- 4140. Exploring Contested Labour Geographies**
Room: *Truman, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Rebecca Ryland, University of Liverpool
 CHAIR(S): Steven Tufts, York University
8:00 Rebecca Ryland*, University of Liverpool, *"I'm alright Jack": Grassroots' understandings of Labour Internationalisms.*
8:20 Steven Tufts*, York University, *Union Competition for Hospitality Workers: World Wars and Local Battles.*
8:40 Tod D. Rutherford*, Syracuse University, *Abstract: De/Re-centring Work and Class?: A Review and Critique of Labour Geography.*
9:00 Montserrat Pallares-Barbera, PhD*, Universitat Autònoma Barcelona; Antonia Casellas, PhD, Universitat Autònoma Barcelona, *Social Capital Analysis of Women's Work in Rural Spain.*

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4141. Geographies of Waste and Value 1: Directions in Waste Studies

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Josh Lepawsky, Memorial University of Newfoundland

CHAIR(S): Josh Lepawsky, Memorial University of Newfoundland

8:00 Sarah A Moore*, University of Arizona, *The Matter of Waste*.

8:20 Pierre Desrochers*, Department of Geography - University of Toronto Mississauga; Samuli Leppala, Department of Economics, Turku School of Economics, *Industrial Symbiosis: Old Wine in Recycled Bottles?*.

8:40 Ruth Lane, PhD*, RMIT University; Matt Watson, PhD, University of Sheffield, *The Stewardship of Things*.

9:00 Jutta Gutberlet, Dr*, UVic, *Shifting values from waste to resource: Addressing environmental change and human security*.

Discussant(s): David Evans

4142. GIS Specialty Group Honors Student Paper Competition (Sponsored by Geographic Information Science and Systems Specialty Group)

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

ORGANIZER(S): Jin-Kyu Jung, University of North Dakota

CHAIR(S): Jin-Kyu Jung, University of North Dakota

8:00 Wenwen Li*, George Mason University, *An efficient method to discover distributed geospatial information services*.

8:20 Qiusheng Wu*, University of Cincinnati; Hongxing Liu, University of Cincinnati, *Object-Oriented Representation and Analysis of Coastal Changes for Hurricane-Induced Damage Assessment*.

8:40 Grant W Fraley*, San Diego State University, *Multiple Objective Geographic Modeling for Hazards Using a Genetic Algorithm with Spatial Fuzzy Adaptation*.

9:00 Ling Yin*, The University of Tennessee; Shih-Lung Shaw, The University of Tennessee, *Potential effects of ICT on face-to-face meeting opportunities: A GIS-based time-geographic exploratory approach*.

9:20 Justin Shepard*, San Diego State University, *Developing a Rich Internet Application-based GIS Prototype for Collaborative Habitat Management*.

4143. Open Source Tools & Standards in GIS Research and Education (I) (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Sung-Gheel (Gil) Jang, Cleveland State University; Luc Anselin, Arizona State University

CHAIR(S): Sung-Gheel (Gil) Jang, Cleveland State University

8:00 Serge Rey*, School of Geographical Sciences, Arizona State University; Luc Anselin, School of Geographical Sciences, Arizona State University, *PySAL: A Python Library for Spatial Analysis and Geocomputation*.

8:20 Roger Bivand*, Norwegian School of Economics and Business Administration, *More from less: Using R to analyse spatial data*.

8:40 Charles R. Schmidt, M.A. *, GeoDa Center for Geospatial Analysis and Computation, *A web-based, open-source ESDA prototype in a cloud computing environment*.

9:00 Andrew Winslow, B.S. *, Tufts University, *Spatial Network Analysis on Large Datasets with GeoDaNet*.

9:20 Mark McCann*, ASU; Luc Anselin*, Arizona State University, *OpenGeoDa, an Open Source Tool for Geovisualization and Exploration*.

4144. Historical GIS and Local Analysis I: The Eastern U.S. (Sponsored by Historical Geography Specialty Group)

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

ORGANIZER(S): Richard Hunter

CHAIR(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill

8:00 Scott W. Anderson*, SUNY Cortland, *The Perils of Monopoly Capitalism and Overpriced Land: A Historical GIS Interpretation of the Early Economic Development of Seneca Falls, New York*.

8:20 G. Rebecca Dobbs*, University of North Carolina at Chapel Hill, *Historical GIS and local history in the classroom: the case of the chapel, the hill, and the university*.

8:40 Brian Kraft, postbaccalaureate certificate GIS Penn State 2008*, independent, *A Graphic History Eckington, Northeast Washington DC*.

9:00 Li Li*, Texas A&M University; Reuben S. Rose-Redwood, University of Victoria, *From Island of Hills to Cartesian Flatland? Using GIS to Assess Topographical Change in New York City, 1819-1999*.

9:20 Sheridan Wright Kennedy*, California State University, Long Beach, *Historical Mapping: Three-dimensional Mapping of the Antietam Creek Battlefield*.

4146. Civilian Geographers working for the U.S. Army Geospatial Center [AGC] (Sponsored by Military Geography Specialty Group)

Room: Lincoln Room 2, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Ray Caputo, U.S. Army Geospatial Center

CHAIR(S): Ray Caputo, U.S. Army Geospatial Center

Introducer: Ray Caputo

4147. "What do we mean by 'critical'?" "Critical" Geographies of Latin America and the Caribbean, Part 1 (Sponsored by Latin America Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Sharlene Mollett, Dartmouth College

CHAIR(S): Sharlene Mollett, Dartmouth College

Introducer: Sharlene Mollett

8:05 Fletcher P Chmara-Huff*, The Ohio State University, *Researchers, States, NGOs, and Human Beings: Negotiating 'critical' theory within the context of Bahamian conservation*.

8:23 Leeann Townsend, PhD Candidate*, York University, *Critical Methodologies: Conducting Research and Fieldwork in Guyana*.

8:41 Jonathan Otto*, University of Kentucky, *Development, Discontent, and Space: The Mapping of the San Cristóbal-Palenque Highway*.

Discussant(s): Maureen Hays-Mitchell, Colgate University

4148. Biodiversity, livelihoods, and conservation: Emerging Trends, Challenges, and Responses I (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Patrick T. Hurley, Ursinus College

CHAIR(S): Michael Mascia, World Wildlife Fund

8:00 Parakh Hoon*, Virginia Tech, *Neoliberal Environments, Elephants, and Botswana's "Exceptionality"*.

8:15 Peter Wilshusen, Ph.D. *, Bucknell University, *Constructing Degrees of Freedom: Local Responses to Neoliberal Reform in the Community Forests of Quintana Roo Mexico*.

8:30 Rob D.S Small, Mr*, University of Cambridge, *Sustainable Insects, Sustainable Organisations? Butterfly trading in Papua New Guinea..*

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8:45 Grace Wong*, Conservation International; Jordi Surkin, Grupo Nacional de Trabajo para la Participación, *A Landscape of Change: Adaptation and Vulnerability to Climate Change in the Context of Social, Institutional and Ecological Inter Linkages in Bolivia.*

Discussant(s): Michael Mascia, World Wildlife Fund

4149. Topics in GIS, Remote Sensing, and Spatial Analysis

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hyun Joong Kim, Pittsburg State University

8:00 Melissa Wagner*, School of Geographical Sciences and Urban Planning/Arizona State University, *Examining the Relationship between Socioeconomic Recovery and Damage Intensity using Geospatial Information.*

8:05 Kin M. Ma*, Grand Valley State University, *Advanced techniques to identify "fire blight" disease in apple orchards.*

8:10 Lucy Kammer*, Syracuse University, *Spectral differentiation of the invasive shrub tamarisk (Tamarix spp.) from native willow (Salix spp.) using imaging spectroscopy: A case study in southeast Utah.*

8:15 Timothy J. St. Onge*, University of Mary Washington, *The Geography of Water Pollution in the Salton Sea.*

8:20 Mahalakshmi Bargavi Govindasamy Thulasi*, Michigan State University; Qi Jiaguo, Ph.D., Michigan State University, *Mapping And Understanding The Changing Rainfall Pattern In South India Through Remote Sensing.*

8:25 Anya K Bogdanow*, University of Mary Washington, *The Aral Sea Catastrophe: How are former Soviet countries dealing with the problems?.*

8:30 Ian Kracalik*, University of Florida, Department of Geography and Emerging Pathogens Institute; Larissa Lukhnova, Kazakh Science Center for Quarantine and Zoonotic Diseases; Alim Aikimbayev, Kazakh Science Center for Quarantine and Zoonotic Diseases; Yerlan Pazilov, Kazakh Science Center for Quarantine and Zoonotic Diseases; Gulnara Temiralyeva, Kazakh Science Center for Quarantine and Zoonotic Diseases; Jason K. Blackburn, Spatial Epidemiology and Ecology Research Laboratory, University of Florida, Department of Geography and Emerging Pathogens Institute, *Incorporating retrospective clustering into a prospective CUSUM methodology: Evaluating the effects of disease expectation.*

8:35 Lisa Emili*, Penn State University, *Modeling agricultural non-point source pollution using a GIS approach.*

8:40 Kevin Devine*, University of Kentucky, *Utilizing Species Distribution Models to Facilitate Castanea dentata Conservation Efforts Along the Appalachian Trail.*

8:45 Meghan D. Hutchins*, University of Michigan; William S. Currie, University of Michigan; Rick Riolo, University of Michigan; Joan I. Nassauer, University of Michigan, *Trajectories of carbon storage in low-density residential landscapes: an agent-based modeling approach to study emergence at the neighborhood scale.*

8:50 Gretchen Maria Culp*, The Graduate Center, CUNY, *IRIS - An ArcMap Toolset for Color Vision Confusion Accessible Design.*

8:55 Magdalena Wisniewska*, Western Michigan University; Kathleen M Baker, Western Michigan University; Heather Petcovic, Western Michigan University; Caitlin Callahan, Western Michigan University, *Field Mapping Strategies of Novice and Expert Geologists.*

9:00 Selorm D. Ababio*, University of Ghana; George Wiafe, University of Ghana, *Application of GIS in Shoreline Change Detection Analysis along the Eastern Coastline of Ghana, West Africa.*

9:05 Jackson Matthews*, Louisiana Tech University, *Mapping the Development of Shreveport, Louisiana Using GIS and Sanborn Fire Insurance Maps.*

9:10 Hyun Joong Kim*, Pittsburg State University, *Analysis of rapid urban expansion using diffusion and landscape patterns.*

4150. Supporting Women in Geography, Part 1: Undergraduate Perspectives (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: Lincoln Room 6, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Jodi Vender, Pennsylvania State University; Jennifer Spinelli, Penn State University

CHAIR(S): Jodi Vender, Pennsylvania State University

Introducer: Jodi Vender

Panelists: Jennifer Spinelli, Penn State University

4151. Quantifying Food Systems and Food Access I

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

ORGANIZER(S): Shannon Brines, University of Michigan

CHAIR(S): Shannon Brines, University of Michigan

8:00 Shannon Joseph Brines*, University of Michigan; Karly Wentzloff, University of Michigan, *Access, perception, and potential in the Southeastern Michigan food system.*

8:20 Katlyn J Giombolini*, Willamette University; Kimberlee J Chambers, Professor, Willamette University; Sheridan A Schlegel, Willamette University; Jonnie B Dunne, Willamette University, *Growing to feed the needs of the local food movement: can supply meet demand in the productive Willamette Valley?.*

8:40 Meghan Sloan*, Student, Southern Connecticut State University, *A Methodology to Understand the Spatial Dimensions of the Urban Food System: A Case Study of Hartford, Connecticut.*

9:00 Alexandros Gasparatos*, United Nations University, Institute of Advanced Studies (UNU-IAS), *Quantifying the appropriation of land and natural capital for the meat produced in Japan and consumed in Tokyo.*

4152. Sustainable Mobility and Mobility Justice: Geographies of Transition I

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

ORGANIZER(S): Mimi Sheller, Drexel University; Sven Kesselring, Technische Universität München

CHAIR(S): Sven Kesselring, Technische Universität München

8:00 Ole B. Jensen*, Dept of Architecture & Design, Aalborg University, *In search of the 'Wild Contemporary' - exploring the potential of the techno utopian urban imaginary to contemporary mobility challenges.*

8:20 Katharina Manderscheid*, Soziologisches Seminar, Universität Luzern, Switzerland; Noel Cass, Lancaster University, UK, *Mobility justice and the right to immobility - from automobility to autonomobility.*

8:40 Anne Jensen*, Aarhus University, *Urban Mobility in the Reframing of a City for a Climate Friendly Future.*

9:00 Lise Drewes Nielsen*, Roskilde University, *Sustainable future mobilities, decoupling car culture and social life?.*

Introducer: Sven Kesselring

Discussant(s): Mimi Sheller, Drexel University

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- 4153. Study of the American South Specialty Group Plenary Session (Sponsored by Study of the American South Specialty Group)**
Room: Washington Room 3, Marriott, Exhibition Level (Panel Session)
 ORGANIZER(S): Jonathan Leib, Old Dominion University
 CHAIR(S): Jonathan Leib, Old Dominion University
 Introducer: Jonathan Leib
 Discussant(s): Robert Yarbrough, Georgia Southern University; Thomas Chapman
 Panelists: Jamie Winders, Syracuse University
- 4154. Spaces of post-secular engagement 1**
Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Jason Hackworth, University of Toronto; Justin Beaumont, University of Groningen
 CHAIR(S): Jason Hackworth, University of Toronto
8:00 Chris Baker, Ph.D., Urban Geography, *Re-entering the Thirdspace? - re-evaluating Ed Soja's spatial theory in and for the postsecular city.*
8:15 Justin Beaumont*, University of Groningen, *Beyond faith? Progressive faith-secular praxis for social justice in European cities.*
8:30 Candice Dias*, University of Groningen; Justin Beaumont, University of Groningen, *Filling in the gaps: Faith organisations as secularity's safety net.*
8:45 Paul Cloke, Professor*, University of Exeter, *Postsecular geographies: redemptive theo-ethics and the role of forgiveness and sacrifice in tackling social injustice..*
9:00 Anni Greve*, Denmark, *The post-secular city: An emergent international culture?.*
 Discussant(s): David F. Ley, University of British Columbia
- 4155. Perspectives on Geographic Complexity (1): Theories and Methods (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Alison Heppenstall
 CHAIR(S): Alison Heppenstall
8:00 Sara Metcal*, University at Buffalo; Michael Widener, University at Buffalo, *S(t)imulating (S)pace: Cultivating a Postmodern Geographic (Con)science.*
8:20 Amit Patel, PhD Student*, School of Public Policy, George Mason University; Phoram Shah, MPA, *Slum Formation Theory: A Simulation Approach.*
8:40 Itzhak Benenson*, Tel Aviv University, Israel; Erez Hatna, Wageningen University, The Netherlands, *Warning, the Rationality of Spatial Agents is Bounded!.*
9:00 Monica Wachowicz*, Wageningen UR; Jack Owens, Idaho State University, *Space-Time Representation of Narrative Knowledge.*
9:20 Claudio Cioffi-Revilla, Ph.D.*, George Mason University, *MASON AfriLand: A Regional Multi-Country Agent-Based Model with Cultural and Environmental Dynamics.*
- 4156. Sovereign spaces: security after the war on terror**
Room: Blue Room, Omni Shoreham (Panel Session)
 ORGANIZER(S): Louise Amoore, Durham University
 CHAIR(S): Louise Amoore, Durham University
 Panelists: Louise Amoore, Durham University; Marieke De Goede, University of Amsterdam; Emily Gilbert, University of Toronto; Deborah Cowen, University of Toronto; Stephen Graham, Newcastle University
- 4160. Spatial Analysis VI: Themes and Applications**
Room: Chairman, Omni Shoreham (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Lu Liang
8:00 Lauren Michelle Childs, M.A.*, University of New Orleans, *A New Orleans State of Crime: Spatio-Temporal Analysis of Shifting Homicide Patterns In Post-Hurricane Katrina New Orleans, LA.*
8:20 Lu Liang*, State Key Laboratory of Remote Sensing Science, Jointly Sponsored by Institute of Remote Sensing Applications, Chinese Academy of Sciences, and Beijing Normal University, *A study of H5N1 transmission mechanism and spread route using spatial information technique and phylogenetic analysis.*
8:40 Ritvik Sahajpal*, University of Maryland College Park; In-Young Yeo, University of Maryland College Park, *Impact of BMP location on mitigating NPS pollution.*
9:00 Kai CAO*, The Chinese University of Hong Kong; Bo HUANG, The Chinese University of Hong Kong; Nan JIANG, Nanjing Normal University, *Land Use Allocation Optimization towards Sustainable Development.*
- 4163. Geography: Teaching with the Stars**
Room: Council, Omni Shoreham (Panel Session)
 ORGANIZER(S): Richard G. Boehm, Texas State University
 CHAIR(S): Richard G. Boehm, Texas State University
 Introducer: Richard G. Boehm
 Panelists: Audrey Mohan, University of Texas - San Antonio; Kristin Alvarez, University of Redlands; Mark H. Bockenhauer, St. Norbert College; Richard G. Boehm, Texas State University
- 4165. Disturbance and Disturbance Interactions - Part I (Sponsored by Biogeography Specialty Group)**
Room: Director's, Omni Shoreham (Paper Session)
 ORGANIZER(S): Erica Smithwick; Alan H. Taylor, Pennsylvania State University
 CHAIR(S): Alan H. Taylor, Pennsylvania State University
8:00 Dominik Kulakowski*, Clark University, *A dendroecological investigation of the effect of mountain pine beetle outbreaks on forest susceptibility to stand replacing fire.*
8:20 Mark A. Cochrane*, South Dakota State University (GIScE), *Disturbance Interactions between Fuel Treatments and Fire in the United States.*
8:40 Lindsay N. Deel*, West Virginia University; Philip A. Townsend, Ph.D., University of Wisconsin - Madison; Brenden E. McNeil, Ph.D., West Virginia University, *Assessing the cumulative impact of disturbance on canopy nitrogen in Appalachian forests.*
9:00 Erica Smithwick*, The Pennsylvania State University; Robert E Keane, USDA Forest Service, Rocky Mountain Research Station; Donald McKenzie, USDA Forest Service Pacific Wildland Fire Sciences Laboratory; Rachel Loehman, USDA Forest Service, Rocky Mountain Research Station; Martin Simard, University of Wisconsin-Madison; Carol Miller, Aldo Leopold Wilderness Research Institute; Daniel M Kashian, Wayne State University; Donald A Falk, University of Arizona, *Climate Impacts on Multiple Disturbance Interactions, Yellowstone National Park.*
9:20 Christopher Justice*, University of Maryland; Louis Giglio, PhD, SSAI/ NASA GSFC; David Roy, PhD, Geographic Information Science Center of Excellence, South Dakota State University, *Global Fire Disturbance.*

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4166. Comparative dimensions of "green" city development I (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Harvey Neo, National University of Singapore; Choon-Piew Pow, National University of Singapore

CHAIR(S): Harvey Neo, National University of Singapore

8:00 Alana Boland*, University of Toronto, *Targeting sustainability: Environmental indicators and the greening of Chinese cities.*

8:20 Abra Adamo*, Carleton University, *Growing any 'smarter'?: Sustainability and urban growth politics in neoliberal times.*

8:40 Roger M. Picton*, Trent University, *Back to Nature? Environmental Governance, Nature, and National Urban Development.*

9:00 Dongquan Li*, School of Public Administration, Remin University of China, *A Survey Study of the Urban Renewal Activities in Nanchizi Community, Beijing, China: A Community Development Perspective.*

9:20 Choon-Piew Pow*, National University of Singapore, *Imagineering Green Civilization: Selling Dongtan Eco-City in China.*

4167. Participatory Mapping: Strategies for Democratizing Mapping Tools, Technologies, and Practices

Room: Empire, Omni Shoreham (Paper Session)

ORGANIZER(S): Catalina Garzon, University of California-Berkeley

CHAIR(S): Jon Corbett, University of British Columbia-Okanagan

8:00 Matthew Hamilton*, UC - Davis; Eldin Castellanos, Catholic Relief Services - Guatemala; Norma Minero, Catholic Relief Services - El Salvador, *Using Google Earth to Improve Integrated Water Resource Management in Central America.*

8:20 Catalina Garzon, MCP*, University of California-Berkeley; Matalon Eyal*, Pacific Institute; Eli Moore, MA, Pacific Institute, *Putting Our Stories on the Map: Participatory Mapping and Popular Education for Environmental Justice in Freight Transport-Impacted Communities in the San Francisco Bay Area.*

8:40 Danielson R. Kisanga*, Miami University, Middletown, OH, *Participatory Mapping of Semiarid Degraded Lands of Arusha, Tanzania: Challenges and Successful Strategies.*

9:00 K Animashaun Ducre, PhD*, Syracuse University, *Bearing Witness: Conceptualizing the Environment & Community Mapping in Syracuse.*

Discussant(s): Jon Corbett, University of British Columbia-Okanagan

4168. Right to the city: transnational urban governance and socio-spatial transformations-I (Sponsored by Urban Geography Specialty Group, China Specialty Group)

Room: Forum, Omni Shoreham (Paper Session)

ORGANIZER(S): Shenjing He, Sun Yat-Sen University; Tony Samara, George Mason University

CHAIR(S): Shenjing He, Sun Yat-Sen University

8:00 Tony Roshan Samara, Dr.*, George Mason University, *Transnational Urban Governance and the Mega-event: A comparative study of peripheralization in Shanghai, New Delhi and Cape Town.*

8:20 Laam Hae*, York University, *Policy Transfer, City Marketing and the Neoliberal Turn of Critical Urban Studies in South Korea.*

8:40 Linda Szabó*, Central European University, Budapest, Hungary, *Budapest's response(s) to "Chinese" market: A comparative analysis of urban development policies of two districts in Budapest, with special regard to*

migrants.

9:00 Lanchih Po*, University of California, Berkeley, *Unfinished Urbanization: A Study of China's chengzhongcun from the Perspective of Public Finance.*

Discussant(s): Martin Murray, Taubman College of Architecture and Urban Planning

4171. Real Worlds and Environmental Visions I

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Erik Jönsson, Lund University; Guy Baeten

CHAIR(S): Guy Baeten

8:00 Huei-Min Tsai*, National Taiwan Normal University; Eric Clark, Lund University, Sweden, *Island Visions - Island Struggles: Ongoing political ecologies of the Penghu Islands and Pongso no Tao.*

8:20 Erik Jönsson*, Lund University, *Entwined visions: Capital, Politics and Nature in the production of Trump International - Scotland's Aberdeenshire golf resort.*

8:40 Alicia Bauza Van Slingerlandt*, PhD Candidate, *Airport Mega-Projects and Social Contestation in Mallorca.*

9:00 Cheryl McEwan*, University of Durham; David Bek, Durham University; Alex Hughes, Newcastle University, *A new politics of place? Biodiversity, conservation and community development in South Africa's Cape Floral Kingdom..*

Discussant(s): Jason W. Moore

4172. Remote Sensing, Spatial Analysis and Modeling

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zhiyong Hu, University of West Florida

8:00 Dongdong Wang*, University of Maryland, College Park; Shunlin Liang, University of Maryland, College Park, *Integrating MODIS and MISR LAI using multiresolution tree method.*

8:20 Conghe Song, Dr.*, UNC Chapel Hill, *Estimating Tree Crown Size Using Spatial Information from Ikonos and QuickBird Images: Across-Sensor and Across-Site Comparisons.*

8:40 Wei Zhuang*, State University of New York, College of Environmental Science and Forestry; Giorgos Mountrakis, SUNY - ESF, *Evaluating a novel multi-scale radial basis function network in image classification.*

9:00 Huiran Jin*, SUNY College of Environmental Science and Forestry; Giorgos Mountrakis, SUNY College of Environmental Science and Forestry, *Super-resolution Reconstruction Using Indicator Variograms And Local Spatial Structure.*

9:20 Zhiyong Hu, Ph.D.*, University of West Florida, *Modeling spatial varying relationship between aerosol optical depth and PM2.5 concentration incorporating multiple meteorological parameters.*

4173. Spaces of Vernacular Creativity Revisited: meet the authors and contributors

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Steve Millington, Manchester Metropolitan University; Norma Rantisi

CHAIR(S): Steve Millington, Manchester Metropolitan University

Panelists: Steve Millington, Manchester Metropolitan University; Paul Milbourne, Cardiff University; Heather Elizabeth McLean, York University; Graeme Evans, London Met University; Deborah Leslie, University of Toronto; Brian Hrac, University of Toronto; Chris Gibson, University of Wollongong; Tim Edensor, Manchester Metropolitan University

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4174. Food, Migration, and Human Problems in Latin America

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Amanda Colegrove

8:00 John O. Browder*, Virginia Tech; Robert Walker, Michigan State University, *Socioeconomic stratification of the Amazon's Peasantry and the Globalization of Brazilian Agriculture.*

8:20 Jennifer Eve Payton*, York University; Jennifer Eve Payton, MA, York University, *Migration and Identity: Agricultural Production in Manila's Peri-Urban Periphery.*

8:40 Robert M. Bridi, Masters Student*, York University, *Unveiling the Nature of the Labour Process: Migrant Agricultural Workers in South-Western Ontario.*

9:00 Alder Keleman, MA, MEd, PhD student*, Yale University School of Forestry & Environmental Studies; Jonathan Hellin, PhD, International Maize and Wheat Improvement Center, Mexico City, Mexico; Dagoberto Flores, International Maize and Wheat Improvement Center, Mexico City, Mexico, *Labor, Liquidity, and Germplasm: Hypothesizing patterns in maize landrace use across production scales in the Mexican central highlands.*

9:20 Amanda Colegrove*, Grand Rapids Community College, *The Fight Against Human Trafficking in Central America.*

4175. Political Geographies Around the World

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Gary Schnakenberg, Michigan State University

8:00 Victoria Jupp*, Durham University, *Should participatory practice start from where 'they' are? Exploring the personal and the role of emotional understanding within participatory processes..*

8:20 Miguel de Oliver*, University of Texas at San Antonio, *What the 'Third Wave' tells us: The emerging profile of the democratic project.*

8:40 Håvard Haarstad, Dr. *, University of Bergen, Norway, *Negotiating new political spaces: claims for redistribution and recognition in Bolivia.*

9:00 Kristina Weaver, PhD expected July*, University of Glasgow, *Sayling, Stories from the Mothership: Narrating Political Geographies of Occult Violence at Nigeria's Premier University.*

9:20 Gary Schnakenberg*, Michigan State University, *Clientelist Politics in Jamaica: A Ghost in the Machine?.*

4176. Critical Geographies of Outer Space

Room: Park Tower 8217, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Jason Beery, University of Manchester

CHAIR(S): Jason Beery, University of Manchester

Panelists: Jason Beery, University of Manchester; Christy Collis; Maria Lane, University of New Mexico; Carl Thor Dahlman, Miami University

4177. Remote Sensing and Population

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ryan Engstrom, George Washington University

8:00 Lei Wang*, State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences; Peng Gong, State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences; Qing Ying, State Key Laboratory of Remote Sensing Science, Institute of Remote Sensing Applications, Chinese Academy of Sciences; Xiao

Cheng, College of Global Change and Earth System, Beijing Normal University, *Watershed segmentation method and active contour models for settlement extraction from remotely sensed data.*

8:20 Charles Gichana Manyara, Dr. *, Radford University, *Correlating Land Use and Population change in Gusii (Kenya) Based on Remote Sensing, Goggle Earth and GIS Spatial Data set..*

8:40 Jordan Graesser*, U.S. Census Bureau, *Population Estimates in Pakistan: A Study of Land Cover and Population Change.*

9:00 Sathya Ramesh, Department of Geography, University of North Texas; Pinliang Dong*, Department of Geography, University of North Texas, *Small-area population estimation using IKONOS images and LiDAR data.*

9:20 Ryan Engstrom*, George Washington University, *Relating Population to Estimates of Built Up Areas Derived from High Resolution Satellite Data in Accra, Ghana.*

4178. Spaces of Resistance and Power

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Natalia Barykina, University of Toronto

8:00 Vincent Miller*, University of Kent; Phil Carney, University of Kent, *The Vague Realm of the Possible: Interstices, Nomadism and the Re-Enchantment of Space.*

8:20 James Mogle*, Florida State University, *Native American Spaces in the Continental United States: Resistance, Sovereignty and Third World Influence.*

8:40 Natalia Barykina*, University of Toronto, *Resistance and Space in 'Defiance': A Deleuzian Reading.*

4179. National Resource Management: China

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Christine Boyle, University of North Carolina

8:00 Qun Gao*, Dan Wang, *Analysis on temporal-spatial changes of urban integrative carrying capacity to assess urban sustainability in Yangtze River delta area in China.*

8:20 Li Shan*, Key Lab of GIScience, East China Normal University; Wang Zheng, Institute of Policy and Management, Chinese Academy of Sciences; Xiao Min, Key lab of GIScience, East China Normal University, *Computable models on regional spillovers of tourism industry: A case study of Yangtze River Delta.*

8:40 Astrid Cerny, PhD*, *Going where the grass is greener: Kazaks leaving China to regain a sustainable livelihood.*

9:00 De Tong*, Peking University, China; Yan Song, The Department of City and Regional Planning, University of North Carolina, Chapel Hill; Chang-chun Feng, Peking University, China, *Spatial Distributing Characteristics of Rural-Urban Migrants' Housing Rent: A Case Study of Urbanizing Villages in Shenzhen, China.*

9:20 Christine E Boyle, MRP*, University of North Carolina; Jinxia Wang, PhD, Institute for Geography and Natural Resources, Chinese Academy of Science; Scott Rozelle, PhD, Freeman Spogli Institute for International Studies, Stanford University; Qiuqiong Huang, PhD, Department of Applied Economics, University of Minnesota, *Understanding the Territoriality of Village-Level Irrigation Provision in Northern China.*

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4182. Geographical Perspectives on Identity: Territories and Borders

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Vernon A. Domingo, Bridgewater State College

8:00 John Legrid*, University of Massachusetts-Amherst, *A "Charter of Liberties and Privileges": European Geopolitics and Local Conflicts in Colonial New York.*

8:20 Kaj Zimmerbauer*, University of Oulu, *Resistance-identity and territorial activism in deinstitutionalization of regions.*

8:40 Joni Vainikka*, University of Oulu, *The 'scalability' of spatial identity: from assemblages of lived places to cosmopolitanism.*

9:00 Michal Kohout*, California State University, San Bernardino, *Is the Inland Empire a Region? In Search of Identity at the Edge of Southern California.*

9:20 Vernon A. Domingo*, Bridgewater State College, *Apartheid's structures: made and not yet un-made.*

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4202. Cryospheric Data Records (Sponsored by Climate Specialty Group, Cryosphere Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Thomas L. Mote, University of Georgia; David A. Robinson, Rutgers University

CHAIR(S): Thomas L. Mote, University of Georgia

10:00 Mark Anderson*, University of Nebraska-Lincoln, *The Importance of Satellite Data Version Numbers for Climate Data Records.*

10:15 Dorothy K. Hall*, NASA Goddard Space Flight Center; Josefino C. Comiso, NASA / Goddard Space Flight Center; Christopher A. Shuman, University of Maryland Baltimore County; Nicolo E. DiGirolamo, SSAI & NASA GSFC; Larry V. Stock, SSAI & NASA / GSFC, *Development of a Climate-Data Record (CDR) of the Surface Temperature of the Greenland Ice Sheet.*

10:30 Jordan P. Lieberman*, University of Georgia Dept. of Geography; Thomas Mote, University of Georgia, Dept. of Geography, *Comparison of MODIS LST and SSM/I melt detection products on the Greenland ice sheet.*

10:45 David A. Robinson*, Rutgers University; Thomas W. Estilow, Rutgers University, *Northern Hemisphere snow cover extent during the satellite era.*

11:00 Allan Frei*, Hunter College; ShihYan Lee, CUNY Graduate Center, *Comparison of optical based snow extent observations during Spring over North America and possible implications for the Climate Data Record.*

11:15 Thomas L. Mote*, University of Georgia, *Assessment of the Stability of Satellite Snow Cover CDRs using Station Snow Depth Observations.*

4203. Social Geography of Risk: Which Approaches? II (Sponsored by Hazards Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Pierpaolo Mudu, Università Di Roma; Elise Beck, Joseph Fourier University

CHAIR(S): Ben Wisner, Independent Scholar

10:00 Emmanuel Bonnet*, Marion Amalric, *Managing the hazard by managing the housing settlement : combining industrial risk and landscape's representations.*

10:15 Johnny Douvinet*, University of Avignon, UMR ESPACE 6012 CNRS; Daniel Delahaye, University of Caen Basse-Normandie, UMR LETG 6554 CNRS, *Triggering conditions and dynamics of flash floods occurring in the north-western France : contributions to the risk assessment.*

10:30 Salvatore Engel-DiMauro, Associate Professor*, SUNY New Paltz, *Soils as Hazards: Exploring the Social Determinants of Risky Soils.*

10:45 Elise Beck*, PACTE-Territoires, Joseph Fourier University, Grenoble, France; Isabelle André-Poyaud, PACTE-Territoires, Joseph Fourier University, Grenoble, France; Céline Lutoff, PACTE-Territoires, Joseph Fourier University, Grenoble, France; Sonia Chardonnel, PACTE-Territoires, Joseph Fourier University, Grenoble, France; Paule-Annick Davoine, Lig-Steamer, Grenoble Institute of Technology, France, *Social vulnerability to earthquakes in Grenoble (French Alps).*

11:00 Amy Noreuil, MA Candidate*, The George Washington University, *Measuring Vulnerability through Participatory GIS.*

11:15 Peter D. Howe*, The Pennsylvania State University, *Spatial Dynamics of Risk Perception: Implications for Vulnerability Research.*

4204. China and Urban Planning

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jian-Yi Liu, Montana State University

10:00 Yun Qian*, *The assessment of integrated efforts of neighbourhood renewal practice in Chinese cities: with case study in Beijing.*

10:20 Yanyan Chen*, CUHK, *Infrastructure investment in China: From monopoly to multi-level partnership --With a case of Wu-Guang high-speed railway.*

10:40 Juan Jing*, Yun Qian, *Prospects of High-rise Public Housing Estates in Chinese Cities: a case study in Shenzhen with references to European practice.*

11:00 Jian-Yi Liu*, Montana State University, *Spatial patterns of China's urban system.*

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4205. Urban Geography

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ian Yeboah, Miami University

10:00 John Oswald*, University of Texas at Austin, *Divided Nicosia: Rethinking the causes and consequences of communal violence in Cyprus' capital city.*

10:20 Olubunmi Oyebola Alugbin, B.Sc Geography*, Individual, *Developing A Model City of the Future: The Lagos Megacity Example.*

10:40 James Kweku Eshun*, University of Cape Coast, *Urban Change in Ghana, The Case of the Cape Coast Metropolitan area.*

11:00 Ian Yeboah, Professor*, Miami University; Samuel Nii Cudjoe, Senior Reader, Regional Institute for Population Studies, University of Ghana, Legon, *Changing Fortunes of Ghanaian Towns.*

4206. Economic Development Theory and Practice: Creative Class and Human Capital Perspectives

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

ORGANIZER(S): Karen King, University of Toronto; Kevin Stolarick, University of Toronto

CHAIR(S): Karen King, University of Toronto

10:00 Kevin Stolarick*, University of Toronto; Elizabeth Currid, University of Southern California, *The Great Divide: Economic Development Theory versus Practice, A Survey of the Current Landscape.*

10:20 Scott Bennet*, University of Calgary, *Canada's Creative Class Policies: A Temporal Comparison of Creative Capital Measurements.*

10:40 Thomas Kemeny*, UCLA; David Rigby, UCLA, *Are 'Creative' Jobs Immune from Offshoring? Trade and the Task Content of U.S. Employment.*

11:00 Jeffrey Zimmerman*, University of Wisconsin Whitewater, *Real Estate Gone Wild: The creative class development strategy in post-justice Milwaukee.*

Discussant(s): Kevin Stolarick, University of Toronto

4207. Geography of Post-Fordism: Class

Room: Marriott Ballroom Salon 3, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Waquar Ahmed, Mount Holyoke College; Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin

CHAIR(S): Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin

Panelists: Raju J. Das, York University; Jamie Peck, University of British Columbia; Richard Peet, Clark University; Richard A. Walker, University of California-Berkeley; Neil Smith, City University of New York; David Featherstone, University of Glasgow

4208. Land Use Change and Watershed Assessment I (Sponsored by Water Resources Specialty Group, Biogeography Specialty Group, Remote Sensing Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (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

Introducer: Xiaojun Yang

10:04 Li Fu*, Department of Geography, Western Michigan University, *Land use change analysis in the middle reach of the Heihe River basin, Northwest China.*

10:24 Albert Decatur*, Clark University, *Accuracy Assessment using Conditionally Generated Objects.*

10:44 Miguel Villarreal*, University of Arizona, *Examination of Historical Riparian Dynamics, Natural Disturbance and Land Use Interactions in a Semi-Arid Watershed.*

11:04 Yang Yu Hai*, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Yaning Chen, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Science; Urumqi 830011, China; Weihong Li, Key Laboratory of Oasis Ecology and Desert Environment, Xinjiang Institute of Ecology and Geography, Chinese Academy of Science; Urumqi 830011, China, *Desertification change and its driving forces in the Lower reaches of Tarim River valley, Xinjiang, China.*

11:22 Weihong Li*, Chinese Academy of Sciences, *Ecological Process of Desert Riparian Forest Communities and Its Hydrological Mechanism of Inland River Basin in Arid Area.*

4209. Remote Sensing and Drought (Sponsored by Hazards Specialty Group, Remote Sensing Specialty Group)

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Brian Wardlow, National Drought Mitigation Center, University of Nebraska-Lincoln; Jesslyn Brown, United States Geological Survey

CHAIR(S): Brian Wardlow, National Drought Mitigation Center, University of Nebraska-Lincoln

10:00 Jesslyn Brown*, United States Geological Survey; Brian Wardlow, National Drought Mitigation Center, University of Nebraska--Lincoln; Tsegaye Tadesse, National Drought Mitigation Center, University of Nebraska--Lincoln, *Advantages of Real-time Satellite Data for Operational Drought Monitoring: The Utility of MODIS and AVHRR.*

10:20 Tsegaye Tadesse*, University of Nebraska-Lincoln, NDMC; Brian D Wardlow, University of Nebraska-Lincoln, NDMC; Karin Callahan, University of Nebraska-Lincoln, NDMC; Calvin C Poulsen, University of Nebraska-Lincoln, NDMC, *Integrating Satellite, Climate, Oceanic, and Biophysical Information to Predict the General Vegetation Condition.*

10:40 Martha Anderson*, USDA-ARS, *A Satellite-Based Drought Product Using Thermal Remote Sensing of Evapotranspiration.*

11:00 Sharmistha Swain*, School of Natural Resources, University of Nebraska, Lincoln; Sunil Narumalani, School of Natural Resources, University of Nebraska, Lincoln; Brian D. Wardlow, National Drought Mitigation Center, School of Natural Resources, University of Nebraska, Lincoln; Tsegaye Tadesse, National Drought Mitigation Center, School of Natural Resources, University of Nebraska, Lincoln; Karin Callahan, National Drought Mitigation Center, School of Natural Resources, University of Nebraska, Lincoln, *Evaluating Drought-induced Changes in Grassland and Cropland Cover Types in Southwestern Nebraska Using Terra-MODIS LST and NDVI.*

11:20 Gabriel Bogale Senay*, United States Geological Survey; Stefanie Bohms, SGT; James P Verdin, USGS, *Using Remote Sensing for Estimating Regional Evapotranspiration and Basin Water Balance Components.*

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4210. **Animated Spaces: The Convergence of Human and Animal Lives in North America (Sponsored by Animal Geography Specialty Group)**

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Connie Johnston, Clark University

CHAIR(S): Connie Johnston, Clark University

10:00 John Wall*, Carleton University, *Mutual Adaptations on the Resource Periphery: Living with Species at Risk in Canada.*

10:20 Mona Seymour*, University of Southern California, *Biodiversity, socio-cultural diversity, and opportunities for inclusive urban environmentalisms.*

10:40 Julie Urbanik, Ph.D.*, University of Missouri Kansas City; Mary Morgan*, University of Missouri - Kansas City, *Who Kept the Dogs Out? Dog Parks and Dog Politics in Kansas City.*

11:00 David Lulka*, *The Lawn; or On Becoming a Killer.*

Discussant(s): Jacque (Jody) L. Emel, Clark University

4211. **Topics in Cultural and Social Geography**

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrea Hall

10:00 Vienne Vu*, *How local is local? A study of perceptions of local farmers' markets.*

10:09 Michelle Behr*, University of Northern Colorado; Christine Marston, University of Northern Colorado; Kyle Anne Nelson, University of Northern Colorado; Anita Alves Pena, Colorado State University, *Secondary Refugee Migration: A Case Study.*

10:18 Charles W. Abbott*, University of Iowa, *The Sudanese of Iowa City post-flood: Larger Community Center, more taxis).*

10:27 Manali Baruah*, Department of geography, University of South Carolina, *Biodiversity Conservation: Why Landscape matters?.*

10:36 Octávio A R. Schuenck Amorelli R. P.*, Departamento de Geografia - Universidade de Brasília, Brasil; Pedro A Branco Ramos Pinto, Faculdade de Comunicação - Universidade de Brasília, *Geography and Cinema: Approaching search through representation.*

10:45 Yin Xiong*, *Furniture trade relationship between the United States and China, the international supply chain.*

10:54 Huasheng Zhu*, Beijing Normal University, China, *Creative Networking in Developing Countries: a Case of Design Industry in Shanghai, China.*

11:03 Kalli Fullerton*, California State University, Long Beach; Samantha Roth*, California State University, Long Beach, *Developing Local Identity in Tourist Places: a look at the permanent residents of Mammoth Lakes, California.*

11:12 Carolyn Doherty*, University of Richmond, *Greening the tourism sector of the Caribbean region with alternative energy sources..*

11:21 Andrea B Hall*, University of Wisconsin at Milwaukee, *(Eco)tourism in the karst landscape of Puerto Rico.*

4212. **Spaces of Standards and Standardization II (Sponsored by Economic Geography Specialty Group, Political Geography Specialty Group)**

Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Corey Johnson, University of North Carolina - Greensboro; Ulrich Ermann, Institute for Regional Geography

CHAIR(S): Corey Johnson, University of North Carolina - Greensboro

10:00 Amy Quark*, College of William & Mary, *Scientific Authority, Geopolitics and Cotton Quality Standards.*

10:20 Stefano Ponte*, Danish Institute for International Studies; Peter Gibbon, Danish Institute for International Studies; Evelyne Lazaro, Sokoine University of Agriculture, *Governing through standards in agro-food value chains.*

10:40 Stefan Ouma*, PHD Student, *The Relational Spaces of Standard-Setting: The Role of Industry Technocrats, Entrepreneurs and Translocal Knowledge Brokers in Domesticating Global Agricultural Standards".*

Discussant(s): Corey Johnson, University of North Carolina - Greensboro

4213. **Local Immigration Policy Responses in the United States (Sponsored by Population Specialty Group, Political Geography Specialty Group)**

Room: Park Tower 8209, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Kyle Walker, University of Minnesota; Jill Huttar Wilson, The Brookings Institution

CHAIR(S): Audrey Singer, The Brookings Institution

Discussant(s): Audrey Singer, The Brookings Institution

Panelists: Mark Ellis, University of Washington; Heather Anne Smith, University of North Carolina at Charlotte; Monica Varsanyi, City University of New York; Jill Huttar Wilson, The Brookings Institution; Kyle Walker, University of Minnesota

4214. **Gender and Environment II: Gendered Livelihoods, Gendered Environments (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Diana Ojeda, Clark University; Roberta Hawkins, Clark University

CHAIR(S): Diana Ojeda, Clark University

10:00 Jennifer Vansteenkiste*, University of Western Ontario, *Urban Women and the Embodiment of the Haitian Political Economy.*

10:15 Vanessa Organo*, University of Wollongong; Lesley Head, University of Wollongong; Gordon Waitt, University of Wollongong, *Sustainable Households: A Time and Gender Analysis.*

10:30 Nandini C Singh, Associate Prof.&Head, Dept. of Geography*, Rajiv Gandhi University, India, *Environment, Development and Social Transition: A Perspective on the Profile of Women in India With Special Reference to Arunachal Pradesh.*

10:45 Kelly Feltault*, *Dark Skin, White Seafood & Invisible Pathogens: Racializing Global Seafood Safety Standards in Thailand.*

11:00 Roberta Hawkins*, Clark University, *Shopping to save lives? Gender and Environment meets Ethical Consumption.*

Discussant(s): Diana Ojeda, Clark University

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4215. "Little Nowhere"?: Ethnic Enclaves, Identity and Transnationalism (Sponsored by Ethnic Geography Specialty Group)

Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Luis D. Sanchez, University of Puerto Rico;

Jose R. Diaz-Garayua, University of Puerto Rico

CHAIR(S): Neiset Bayouth, Rutgers University

10:00 Jose R. Diaz-Garayua*, University of Puerto Rico, *Exploring the Housing Market: In the search of a Conceptual Model.*

10:20 Ramon Luis Concepcion Torres*, University of North Carolina at Charlotte; Heather A Smith, University of North Carolina at Charlotte; Thad Dixon, University of North Carolina at Charlotte; Hazel Tapp, Carolinas Medical Center, Department of Family Medicine; Tom Ludden, Carolinas Medical Center, Department of Family Medicine; Lauren Mowrer; Diana Poulimenos, *Best Practices in the Provision of Primary Health Care in a Transitioning Hispanic Community: The Case of Charlotte, North Carolina.*

10:40 Neiset Bayouth*, Rutgers University, *In search of "Arabtown": ethnic enclave, identity, religion and transnationalism.*

11:00 Luis D. Sanchez, Ph.D.*, University of Puerto Rico, *From Merengue to Tango: Landscapes of Change.*

11:20 Nicholas J Klein*, Rutgers University; Andrew Zitcer*, Rutgers University, *"Everything but the Chickens": Cultural Authenticity Onboard the Chinatown Bus.*

4216. Coastal Geomorphology and Management II (Sponsored by Geomorphology Specialty Group, Coastal and Marine Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)

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

Carolina; Chris Houser, Texas A&M University

CHAIR(S): Jean Taylor Ellis, University of South Carolina

10:00 Norbert P. Psuty*, Rutgers University; Tanya M. Silveira, Rutgers University, *Monitoring Coastal Change in the Northeast Coastal and Barrier Network: A National Park Service Science-based Program.*

10:20 Diane P. Horn*, Birkbeck College, University of London, *"Unsaleable, uninsurable and uninhabitable": development and flood risk in the Thames Gateway.*

10:40 Frank Hopf*, Texas A&M University, *Levee failures in the Sacramento-San Joaquin Delta: Characteristics and Characterization.*

11:00 Nathan Kettle*, University of South Carolina, *Cross-scalar Barriers to Coastal Adaptation to Climate Change.*

11:20 Maritza Barreto, Ph.D.*, University of Puerto Rico-Rio Piedras; Lyzaida Rodriguez, Planner and geographer, *An integrated geomorphic assessment of Punta Manati Beach, Manati, Puerto Rico (2009).*

4217. Mapping Lebanon: Historical/Contemporary Geographies of State and Society - Session II (Sponsored by Middle East Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Kevin M. DeJesus, York University

CHAIR(S): John A. Agnew, University of California - Los Angeles

10:00 Michael Bracy, PhD*, Oklahoma State University; Najwa Raouda, PhD, Oklahoma State University, *One Ideology, Two Paths: Gender, Education, and Emigration among Lebanese Shi'i of Jabal 'Amil and the Biqa'.*

10:12 Kristin Monroe*, Northwestern University, *Driving Lebanon: The Mandate, Automobility, and Modernity.*

10:24 Tsolin Nalbantian*, Columbia University, *The Fashioning of the Armenian Other within the National Space of Lebanon.*

10:36 Hélène Balhawan*, CNRS; Ali El Samad*, Gester Université Montpellier 3, *Beirut down-town public spaces: between urban transformations and political reappropriation.*

10:48 Ali El Samad*, Gester Université Montpellier 3; Hélène Balhawan, CNRS, 2, Rue des Canoniers 59000 Lille, France. CLERSE - Université Sciences et Technologies de Lille.; Hélène Balhawan*, CNRS, *Beirut down-town public spaces: between urban transformations and political reappropriation..*

Discussant(s): Waleed Hazbun, Johns Hopkins University

4218. Tools for Teaching Geospatial Concepts (Sponsored by Geographic Information Science and Systems Specialty Group, Geography Education Specialty Group)

Room: Park Tower 8222, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Lynn Songer; Eric Sproles

CHAIR(S): Lynn Songer

Introducer: Eric Sproles

Discussant(s): Lynn Songer; Jeannie Allen, Sigma Space Corp.; Gwenda H. Rice, Western Oregon University; Niem Tu Huynh, Texas State University - San Marcos; Michael N. DeMers, New Mexico State University

4219. Geographies of Tourism and Technology (Sponsored by Recreation, Tourism, and Sport Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Daniel H. Olsen, Brandon University

CHAIR(S): Daniel H. Olsen, Brandon University

10:00 Cody Morris Paris, Phd Candidate*, Arizona State University, *Spatial and Temporal Dimensions of Social Media and Backpacking: A comparison of Facebook, YouTube, Twitter, and blogs..*

10:15 Jennie Germann Molz, PhD*, College of the Holy Cross, *'Have apps, will travel.' Unpacking Flashpacking as a Form of Mobile Sociality.*

4220. Critical issues in Indigenous Geography (Sponsored by Indigenous Peoples Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Chantelle Richmond, The University of Western Ontario; Ezra Zeitler, University of Wisconsin-Eau Claire

CHAIR(S): Chantelle Richmond, The University of Western Ontario

10:00 Martha Dowsley*, Lakehead University, *Inuit and ringed seal: Changing access to country food.*

10:20 Chantelle Richmond, PhD*, The University of Western Ontario; Rachel Bezner-Kerr, PhD, The University of Western Ontario; Kathi Wilson, PhD, The University of Toronto; Brian Dokis, The Southwest Ontario Aboriginal Health Access Centre, *Social and environmental determinants of food choice among First Nation people in the city of London Ontario.*

10:40 Zoltan Grossman*, The Evergreen State College, *"Who's the Illegal Alien, Pilgrim?": Intersections Between Indigenous and Immigrant Geographies.*

11:00 Paula Smith*, University of Kansas, *Researching Climate Change in Indigenous Communities.*

Discussant(s): Jay T. Johnson, University of Kansas

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4222. **Glaciers and Changing Environments: Processes and Impacts (2) (Sponsored by Cryosphere Specialty Group, Human Dimensions of Global Change Specialty Group, Mountain Geography Specialty Group)**

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Bryan G. Mark, The Ohio State University; Adam French, University of California, Santa Cruz

CHAIR(S): Adam French, University of California, Santa Cruz

Introducer: Adam French

10:00 Brandon S. Krumwiede*, University of Montana; Ulrich Kamp, University of Montana; Michael Walther, MOLARE Research Centre for Climate and Landscape Studies, National University of Mongolia; Dashtseren Avirmed, Permafrost Laboratory, Institute of Geography, Mongolia Academy of Sciences, *Glaciations and Glacier Variations in the Central Altai Mountains, Western Mongolia*.

10:20 Ulrich Kamp*, University of Montana; Martin E. Byrne, University of Montana; Tobias Bolch, Technical University Dresden, *Glacier variations between 1975 and 2008 in Ladakh, north-western India*.

10:40 Umesh K. Haritashya*, University of Dayton; Todd Longbottom, University of Dayton, *Fluctuating Glacier Terminus and Changing Snowline Altitude in the Central Himalaya*.

11:00 Mehmet Akif Sarikaya*, University of Nebraska-Omaha; Michael P. Bishop, University of Nebraska-Omaha, *Space-based assessments of the ice cap on Mount Agri (Ararat), Eastern Turkey*.

11:20 David T. Decker*, The Ohio State University; Jason E. Box, The Ohio State University, *Remote Sensing of the Climate and Cryosphere of Nares St, Northwest Greenland*.

4223. **Integrating Ecology and Political Ecology II (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Thomas J. Bassett, University of Illinois

CHAIR(S): Karl S. Zimmerer, Penn State University

10:00 Leslie Gray*, Santa Clara University, *Darfur as a Climate Conflict?: Science, Rhetoric and Politics in Sudan*.

10:20 Claude Garcia*, CIRAD; Jeremy Vendé, AgroParisTech; Cheryl D. Nath, French Institute of Pondicherry; Konenrira M. Nanaya, French Institute of Pondicherry; Lucie Cheynier, INRA; C. G. Kushalappa, University of Agricultural Sciences, Bangalore; Philippe Vaast, CIRAD; Christophe le Page, CIRAD, *Public Policies, Coping Strategies and Biodiversity: Integrating Biodiversity Conservation in a Production Landscape of the Western Ghats, India*.

10:40 Betsy Anne Beymer, PhD Candidate*, University of Illinois at Urbana-Champaign; Thomas J. Bassett, PhD, University of Illinois at Urbana-Champaign; Ian Bryceson, PhD, Norwegian University of Life Sciences, *Surprise, surprise: a maladaptive shift of prawn farming from India to Tanzania*.

11:00 Christian Kull*, Monash University (Australia), *Red-green agendas: alien vegetation, rural livelihoods, and biodiversity conservation in Madagascar*.

11:20 Xavier Arnauld de Sartre*, CNRS (France); Monica Castro, INRA (France); Bernard Hubert*, Inra; Johan Oswald, Université de Rennes 2 (France); Sylvain Dolédec, Université de Lyon 1 (France); Iran Veiga, Universidade Federal do Para (Brazil); Valery Gond, CIRAD (France); Fernando Michelotti, Universidade Federal do Para (Brazil); Patrick Lavelle, IRD (France), *Scalar organization of reality and social diversity thinking in the ecosystem services assessment*.

4224. **Landscape and Environment II: What do we do with landscape & environmental meaning, politically? (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Kirsten Valentine Cadieux, University of Minnesota; Laura Taylor, University of Toronto

CHAIR(S): Kirsten Valentine Cadieux, University of Minnesota

10:00 Leah S. Horowitz, Ph.D.*, Rutgers University; Joan Ehrenfeld, Ph.D., Rutgers University, *"Are turtles more important than kids?" Pollution, vulnerability, and the micropolitical ecology of New Jersey's Dismal Swamp*.

10:20 Kirsten Valentine Cadieux*, University of Minnesota, *Urban-edge agriculture landscapes and the promise of environmental agency*.

10:40 Laura Taylor*, Faculty of Environmental Studies, York University, *Re-Naturalizing Farmland: The Politics of Cultural and Natural Heritage*.

11:00 Susan J. Gilbertz*, Montana State University-Billings, *(un)Arrested Development: Delayed Learning Curve Contributes to Tragedy of the Amenity Commons*.

Discussant(s): Dianne E. Rocheleau, Clark University

4225. **Urban**

Room: Hoover, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Rashad Shabazz, The University of Vermont; Katherine McKittrick

CHAIR(S): Rashad Shabazz, The University of Vermont

10:00 Rashad Shabazz, PhD*, The University of Vermont, *Boyz 'n the Hood: Gender, Space and the Production of Rap Music*.

10:20 Rachel Brahinsky*, University of California - Berkeley, *Where is "black San Francisco"? Interrogating segregation in a progressive city*.

10:40 Marlon M. Bailey, PhD, MFA*, Indiana University, Bloomington, *Engendering Space: Black Queer Performance and Ballroom Culture in Detroit*.

11:00 Jeramy DeCristo*, History of Consciousness, UC Santa Cruz, *A Body They Can't Account For: Plantation Dynamics and the Role of Mediation in Ann Petry's the Street*.

4226. **Landscapes of Abandonment (Sponsored by Historical Geography Specialty Group)**

Room: Jackson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Paul G. Marr, Shippensburg University

CHAIR(S): Paul G. Marr, Shippensburg University

10:00 William Matthew Hunter*, Heberling Associates, Inc, *Scale, Technology and Landscape: Archaeology of Innovation and Abandonment at Benner Commerce Park*.

10:20 David C. Schalliol*, University of Chicago; Michael Carriere, Milwaukee School of Engineering, *Revisiting the Narrative of Declension: Finding Opportunity in Abandonment*.

10:40 Arn Keeling*, Dept. of Geography, Memorial University of Newfoundland; John Sandlos, Dept. of History, Memorial University of Newfoundland, *Mining, Mega-projects and the Production of Abandoned Landscapes in Sub-arctic Canada*.

11:00 Thomas Magnuson, MA*, Trading Path Association, *A hidden cost of progress: transportation technology changes and settlement abandonment in the southeastern backcountry of North America, 1600-1900*.

11:20 Paul G. Marr*, Shippensburg University; Claire A. Jantz, Shippensburg University, *Inefficiency and the Collapse of the Chilean Nitrate Industry*.

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4227. Collaborative Urban Politics and the Civil Society: Challenges and Opportunities II

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Parama Roy; Sandra Zupan, University of Wisconsin-Milwaukee

CHAIR(S): Parama Roy

10:00 Christina Maria West*, University of Mannheim, Chair of Economic Geography, *Creative Power or powerlessness of the Public - Spontaneous Processes of Public Participation in Urban Development.*

10:20 Marcia R. England*, Miami University, *Playing Chess with the City: Community Organizations and Local Government in Cincinnati, Ohio.*

10:40 Sandra Zupan*, University of Wisconsin-Milwaukee, *Enacting an Equitable Community Agenda: Exploring Community Strategies in Milwaukee's Inner-City Redevelopment.*

11:00 Derek Eysenbach*, University of Arizona, *Community Unionism and Affordable Housing in Sustainable Urban Development.*

11:20 Nina Martin, PhD*, University of North Carolina at Chapel Hill, *The Contradictory Roles of Immigrant Nonprofit Organizations in U.S. Cities: Theoretical Perspectives on Civil Society.*

4228. Methods of Disease Mapping

Room: Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sam Copeland, SUNY Buffalo

10:00 Chetan Tiwari*, University of North Texas, *A Method for Creating Spatially Continuous Maps of Age-Adjusted Disease Burdens.*

10:20 Indy Hurt*, University of California, Santa Barbara, *Agent Based Modeling - Evaluating the Computing Environment for Infectious Disease Modeling.*

10:40 Jun Wu; Chengsheng Jiang*; Zhen Liu; Douglas Houston; Guillermo Jaimes; Rob McConell, *Comparison of Multiple Portable GPS Units for Use in Epidemiological Studies.*

11:00 Sam Copeland*, SUNY Buffalo; Ling Bian, Dr., SUNY Buffalo, *3D Modeling of Nosocomial Disease Diffusion.*

4229. A Common/Place Enlightenment (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Deborah Dixon; Susan Ruddick, University of Toronto

CHAIR(S): Deborah Dixon

Panelists: David Lambert; Heidi J. Nast, DePaul University; Joan Landes, Penn State University

4230. Climate Change and Water Resources: From Impact Assessment to Adaptation II (Sponsored by Water Resources Specialty Group, Climate Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Heejun Chang, Portland State University;

Woonsup Choi, University of Wisconsin-Milwaukee

CHAIR(S): Woonsup Choi, University of Wisconsin-Milwaukee

10:00 Lauren Patterson*, UNC - Chapel Hill; Martin W. Doyle, UNC-Chapel Hill, *Spatial Analysis of Drought Characteristics in the Southeast, USA.*

10:20 Peter Campana, University of Georgia; John A. Knox, Dr., University of Georgia; Andrew Grundstein, Dr., University of Georgia; John Dowd, Dr., University of

Georgia, *The 2007-2009 Drought in Athens, GA: A Climatological Analysis and an Assessment of Future Water Availability.*

10:40 James Duncan*, Oregon State University; Aaron T. Wolf*, Oregon State University; Lucia De Stefano, PhD, Oregon State University; Shlomi Dinar, PhD, Florida International University; Kerstin Stahl, PhD, University of Freiburg, *Global Distribution of Transboundary Institutional Mechanisms for Accommodating the Effects of Climate Change.*

Discussant(s): C Gregory Knight, Pennsylvania State University

4231. PG Ed Board Meeting

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jay D. Gatrell, Indiana State University

Discussant(s): Sharmistha Bagchi-Sen, SUNY-Buffalo

4232. Spatializing Resistance, Everyday Life, and Hegemony (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Teresa Abbruzzese, York University; Parastou Saberi, York University Faculty of Environmental Studies

CHAIR(S): Heather Elizabeth McLean, York University

10:00 Parastou Saberi, PhD Candidate*, York University Faculty of Environmental Studies, *On the Production of 'Multicultural' Toronto: Neoliberal Creativity and the Politics of Public Space.*

10:20 Teresa Vita Abbruzzese*, York University, *Il Divertimento del Popolo (The Entertainment of the Commons): Lunapark as a folkloric site of cultural expression and resistance in southern Italy.*

10:40 Jen E. McCormack*, University of Arizona, *The "Right of Discovery": Using Spectacle to Map Contests in Federal Indian Law.*

11:00 Margaret Haderer*, University of Toronto, *Public Housing as a Site of Social Reform: On the Socialist Experiment in Red Vienna (1919-1934) and its Relevance today.*

Discussant(s): Mustafa Dikec

4233. Territory and Cartography: Politics, History, Techniques II (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cartography Specialty Group)

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jeremy Crampton, Georgia State University; Stuart Elden, University of Durham

CHAIR(S): Jeremy Crampton, Georgia State University

10:00 Scott Kirsch*, University of North Carolina, *The Invention of Territory.*

10:20 John Hessler, Fellow Royal Geographical Society*, Library of Congress, Geography and Map Division, *Economic Foundations of Roman Cartography: Bounded Rationality, Territory, and Epigraphy, 100 BC-300 AD.*

10:40 Michael Heffernan*, University of Nottingham, *Maps and the City: Paris and the 18th Century Cartographic Imagination.*

11:00 Catherine Dunlop*, Yale University, *Borderland Cartography from Below: The Role of Civil Society in Mapping Alsace-Lorraine, 1860-1918.*

11:20 Nessa Cronin, Dr*, National University of Ireland, Galway, *The Jurisdiction of the Map: Official and unofficial productions of imperial space in the Ordnance Survey of Ireland, 1824-46.*

SATURDAY, APRIL 17 • 10:00 AM - 11:40 AM • 4200**4235. Geographic Areas for the 2010 Census and the American Community Survey (Sponsored by Applied Geography Specialty Group)**

Room: Taylor, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census
 CHAIR(S): Matthew Jennings, U.S. Bureau Of the Census
 Panelists: Matthew Jennings, U.S. Bureau Of the Census; Joshua Coutts, U.S. Bureau Of the Census; April Avnayim, U.S. Bureau Of the Census; Vincent Osier, U.S. Bureau Of the Census

4236. Rail Transit Systems II (Sponsored by Transportation Geography Specialty Group)

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Andrew R. Goetz, University of Denver
 CHAIR(S): Keith A. Ratner, Salem State College
10:00 Andrew R. Goetz*, University of Denver; Andrew E Jonas, University of Hull; Keith Ratner, Salem State College; Sutapa Bhattacharjee, University of Denver, *Denver Rail Transit: Regional Collaboration and Transit-Oriented Development in the Mile-High City.*
10:20 Jiuxu Cui*, CUNY - Graduate Center; Jeffrey Osleeb, Prof., Department of Geography, UCON; Yehuda Klein, Prof., Earth and Environmental Sciences, GC CUNY, *An Endogenous Approach To Identify Rent Hierarchy For Metropolitan Areas With Rail Transit Systems.*
10:40 Min Sun*, George Mason University; David Wong, George Mason University, *Sustainability of Metro Commuting in Washington, DC Area.*
11:00 Katherine Kittrell, MS, MUEP, PhD student*, Arizona State University, *Phoenix Metro Light Rail: Land Values and Public Policy.*
11:20 Kevin Keenan*, College of Charleston, *Understanding Awareness of Vulnerability to Terrorism at Home and at Work: The Transportation System as Crucial Link.*

4237. Critical Geographies of the Afghanistan Occupation

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Jennifer Fluri, Dartmouth; Michael Smith, University of British Columbia
 CHAIR(S): Michael Smith, University of British Columbia
 Panelists: Oliver Christian Belcher, University of British Columbia; Jennifer Fluri, Dartmouth; Kyle Thomas Evered, Michigan State University; Daniel E. Esser, American University

4238. Public Scholarship and Community Engagement II

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Vanessa A. Massaro, Penn State University; Lakshman Yapa, Pennsylvania State
 CHAIR(S): Amy Glasmeier, Pennsylvania State University
 Panelists: Vanessa A. Massaro, Penn State University; Lakshman Yapa, Pennsylvania State; John Byrnes; Craig Weidemann, The Pennsylvania State University; Theodore Alter, Penn State University; Darrell Velegol, Penn State University

4240. Author Meets Critic: Civil Rights Memorials and the Geography of Memory.

Room: Truman, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Joshua F. Inwood, Auburn University
 CHAIR(S): Joshua F. Inwood, Auburn University
 Discussant(s): Owen Dwyer, Indiana University at Indianapolis; Derek H. Alderman, East Carolina University
 Panelists: Steven Hoelscher, University of Texas; Priscilla McCutcheon, The University of Georgia; Dianne Harris, University of Illinois; Ken Foote, University of Colorado; Lisa M. Benton-Short, The George Washington University

4241. Geographies of Waste and Value 2: Policy and Practice

Room: Tyler, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Josh Lepawsky, Memorial University of Newfoundland
 CHAIR(S): Risa C. Whitson, Ohio University
10:00 Marie-Noelle Carre*, Iheal-Credal Université Paris 3 Sorbonne-Nouvelle, *Recovering waste, governing the Buenos Aires metropolis (Argentina).*
10:20 Angela Martins Baeder, PHD*, Centro Universitário Fundação Santo André; Nidia Nacib Pontuschka*, Faculdade De Educacao - Universidade De Sao Paulo - Brazil, *Environmental education for recycling workers: cooperativism and participation in the management of urban solid waste.*
10:40 Clecio Varjao*, Student, *Global Waste Database: Joining Efforts for a Collaborative Network.*
11:00 Virginia Maclaren*, University of Toronto, *Forcing Value on Waste: A Critique of Extended Producer Responsibility.*
11:20 Stephen G. Larock, University of Western Ontario; Jamie Baxter*, University of Western Ontario, *Risk in Context: Landfill expansion and "fiduciary equity" as predictors of risk perception..*

4242. The Ontology of Revolution 1: Negri and Geography (Re) considered (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group)

Room: Wilson A, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Nathan Lee Clough, University of Minnesota; Elizabeth Johnson, University of Minnesota - Minneapolis
 CHAIR(S): Arun Saldanha, University of Minnesota - Minneapolis
 Panelists: Garnet Kindervater, University of Minnesota - Minneapolis; Joel D Wainwright, The Ohio State University; Elizabeth Johnson, University of Minnesota - Minneapolis; Pierpaolo Mudu, Università Di Roma; Najeeb Jan, University of Colorado; Cesare Casarino, University of Minnesota

4243. Open Source Tools & Standards in GISc Research and Education (II) (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Sung-Gheel (Gil) Jang, Cleveland State University; Luc Anselin, Arizona State University
 CHAIR(S): Luc Anselin, Arizona State University
10:00 Shaowen Wang*, University of Illinois at Urbana-Champaign; Yan Liu, University of Illinois at Urbana-Champaign, *Simplifying Access to Cyberinfrastructure: A SimpleGrid Approach.*
10:20 Myunghwa Hwang*, GeoDaCenter at Arizona State University; Luc Anselin, GeoDa Center at Arizona State University, *Chaining Spatial Analytical Web*

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Services: An Open Source Based Framework to Automate Data Flow Configuration.

10:40 Helena Mitsova*, North Carolina State University; Michael Barton, Arizona State University, *Open Source GIS in Interdisciplinary Education and Research.*

11:00 Sung-Gheul (Gil) Jang*, Cleveland State University, *Open Source Tools in Teaching Advanced GIS Curricula: Challenges and Prospects.*

11:20 Sergio J. Rey, Arizona State University; Luc Anselin, Arizona State University; David Folch*, Arizona State University, *Spatial Analysis Tools for Economic Developers.*

4244. Historical GIS and Local Analysis II: The Americas (Sponsored by Historical Geography Specialty Group)

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

ORGANIZER(S): Richard Hunter

CHAIR(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill

10:00 Heidi Ogle*, California State University, Chico, *Developing the Chico Historical GIS.*

10:20 Andrew Dunlop*, University of Saskatchewan, *Local Agricultural Landscape Evolution on the Northern Great Plains, 1935-2000.*

10:40 Miguel Juarez, MLS, Doctoral student*, Department of History, University of Texas at El Paso, *Mapping History and Culture in El Paso's Segundo Barrio.*

11:00 Richard Hunter*, *Spatial Analysis of Early-Colonial Sheep Ranches in Highland Central Mexico.*

4245. Economic, Political, Medical, Tourism, Geography Education Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Peter Hayward

Sean B. O'Hagan*, Nipissing University; Murray Rice, University of North Texas, *American Corporate Directors and their Personal Histories: Does a Spatial Relationship Exist between their Development Past and the Corporations they sit on.*

John E. Bodenman*, Bloomsburg University, *The Export-Oriented of the Hardwood Processing Industry in Rural Pennsylvania.*

Debra Kreitzer*, Western Kentucky University; Stuart A. Foster, Ph.D., Western Kentucky University, *Comparing Commutersheds and Growth Poles: A GIS Analysis of Regional Economic Development.*

Robert B. South*, University of Cincinnati, *The Product Cycle: U.S. Export Manufactures in Mexico.*

Jennifer Watts*, University of Manchester, *National Temporary Staffing Markets in Europe: A cross-national comparative study.*

Hermer Santos Duprey*, *Developing Vieques: the Forgotten Island.*

Caroline P. Davies*, University of Missouri-Kansas City; Iris Totten, Kansas State University, *GeoWorlds: Virtual Learning Environments for the Geosciences.*

Johnathan Gilliam*, MTSU; Jason Goodrich, MTSU; Hari P Garbharran, Ph.D, MTSU Professor, *Promoting cultural exchange through the School2School.*

Antonio C Gonzalez-Toro, M.A. *, Universidad Del Turabo, *Project GEOMODEL, Teaching Global Climate Change to High School Students in Puerto Rico.*

Stephen Gibson*, Arizona State University, *Moving Lab Sciences out of the Classroom and into the Digital Realm.*

Mary D. Curtis*, Texas State University-San Marcos, *Acceptance of Geospatial Technology in American Education.*

Jeffrey James Dunn*, University of Connecticut; Michael Howser, University of Connecticut, *MAGIC 2.0: Using GIS to Empower K-12 Curriculum Development.*

Carlos Alberto Morales*, Yomara Cruz-Torres, *Geography Education in Puerto Rico: Academic Achievement of the Five Themes of Geography Based on Student Gender and Teaching Effectiveness of High School Geography Educators.*

Martin Roberge*, Towson University, *Working inquiry-based instruction into the physical geography laboratory.*

Lisa Theo*, University of Wisconsin; Nicole I Michiels, University of Wisconsin-Stevens Point; Rebecca A Braunschweig, University of Wisconsin-Stevens Point; Kylie J Betzler, University of Wisconsin-Stevens Point; Elizabeth S Roden, University of Wisconsin-Stevens Point, *Community Structure and Wisconsin K-12 School Quality, School Funding, and School Consolidations.*

Karla Morales*, Jesus Martinez*, Universidad De Puerto Rico; Gabriela Reyes; Shadi Ruiz, *Culebra in the Post-Naval Era.*

Allison Brackin*, University of North Alabama; Michael Pretes, University of North Alabama, *Ecotourism and Microfinance in Africa: A Potential Partnership.*

Ronald Louis Schumann, III*, University of North Carolina at Charlotte, *From Devastation to Destination: Post-Hurricane Recovery of the Tourism Industry in the U.S. Southeast.*

Bradley T. Cullen*, University of New Mexico, *Cape Town's Queer Festivals.*

Troy Magney, Undergraduate*, University of Denver; Rebecca Rittenburg, B.S. Environmental Science, Colorado College, *Sustainable Tourism in Alaska: Best Management Practices.*

Paul D. Hoveleva*, USACE Engineer Research and Development Center, *Spatial and Aspatial Considerations of Civil Military Elements from Military Doctrine.*

Sarah Ann Moncelle*, Appalachian State University; Christopher Badurek, Appalachian State University, *Blue Dixie Rising: Visualizing the Political Geography of Watauga County, North Carolina.*

Susan Tran*, UC Santa Barbara, *Geographic Determinants of Intrastate Armed Conflict.*

Derek Morrell*, University of North Carolina at Charlotte, *Roll-off in Charlotte: A Study on Voter Demographics for Even and Odd Year Bond Election Initiatives.*

Stephen Kirk McElveen*, jvandermaas@georgiasouthern.edu; Wei Tu, Dr., Georgia Southern university, *Low Birth Weight Incidences in Southeast Georgia for the Year 2000.*

James L. Wilson, Ph.D. *, Northern Illinois University; Kristen S. Borre, Ph.D., Northern Illinois University; Denise A. Kirk, M.S., East Carolina University, *Diabetes Mellitus: Geography and Mortality.*

Tomoya Hanibuchi*, JSPS/Ritsumeikan University; Tomoki Nakaya, Ritsumeikan University; Kazumasa Hanaoka, Ritsumeikan University; Akio Muranaka, Ritsumeikan University, *Neighborhoods and health in Japan: An analysis of nationally representative samples linked to neighborhoods' indicators.*

W Jay Christian, MPH*, University of Kentucky, *Incorporating daily mobility into retail food accessibility research.*

David Z Roth, PhD Student*, University of British Columbia (UBC) / British Columbia Centre for Disease Control (BCCDC); Bonnie Henry, MD, UBC/BCCDC; Morshed Muhammad, PhD, UBC/BCCDC; Sunny Mak, MSc., BCCDC; Marsha Taylor, Epidemiologist, BCCDC; Min Li, BSc., BCCDC; Mieke Fraser, BSc., BCCDC; Allen Furnell, MSc., BCCDC, *Climatic and Ecological Triggers of the First West Nile Virus Activity in British Columbia, Canada.*

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Yuying Chu*, Michigan State University, *Maternal and Infant Health of Immigrants in Lansing, Michigan.*

Peter Hayward, PhD*, SUNY College at Oneonta, *Towards a Preferable Map of Health Disparities.*

Jennifer Winston*, University of North Carolina, Chapel Hill; Margaret Carrel, University of North Carolina, Chapel Hill; Veronica Escamilla, University of North Carolina, Chapel Hill; Sophia Giebultowicz, University of North Carolina, Chapel Hill; Jane Messina, University of North Carolina, Chapel Hill; Michael Emch, Ph.D., University of North Carolina, Chapel Hill, *Relationships between childhood diarrheal disease and switching to low arsenic wells in rural Bangladesh.*

Anna Burk*, University of North Alabama, *Grano de Oro: Costa Rica's Coffee Economy.*

Cynthia Sorrensen*, Texas Tech University, *Who Defines Recovery?: Flooding, Politics and the Ricochet of Responsibility in the U.S. Mexico Borderlands.*

4246. Military Geography and Historical Perspectives (Sponsored by Military Geography Specialty Group)

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Wiley C. Thompson, United States Military Academy

CHAIR(S): Wiley C. Thompson, United States Military Academy

10:00 Douglas Batson*, U.S. Board on Geographic Names, *The Boundary Stones of the District of Columbia.*

10:20 Kurt A. Schroeder, PhD*, Plymouth State University, *The Geography of the Franco-Prussian War of 1870-71.*

10:40 Taylor E. Mack, Ph.D.*, Louisiana Tech University, *Military Geographic Concerns of Fort Construction: 18th Century Caribbean Coast of Honduras.*

11:00 Matthew John Abicht*, None, *The Use of WWII Air Photos and Maps to Locate Lost Wartime Graves.*

11:20 Christopher Fuhrman*, United States Military Academy, *Kim Il Sung's Juche on Oil and Canvas: Landscape as a North Korean (state-sponsored) Way of Seeing.*

4247. "What do we mean by 'critical'?" "Critical" Geographies of Latin America and the Caribbean, Part 2 (Sponsored by Latin America Specialty Group)

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Sharlene Mollett, Dartmouth College

CHAIR(S): Sharlene Mollett, Dartmouth College

Introducer: Sharlene Mollett

10:05 Brittany Davis*, University of Arizona, *Territorializing the Ocean for Marine Protection.*

10:23 Sharlene Mollett*, Dartmouth College, *Racialization, whiteness and land struggle in Panama.*

10:41 Linda Peake*, York University, *Negotiating sexualities among young adults in Guyana.*

Discussant(s): Beverley Mullings, Syracuse University

4248. Biodiversity, livelihoods, and conservation: Emerging Trends, Challenges, and Responses II (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Patrick T. Hurley, Ursinus College

CHAIR(S): Peter Wilshusen, Bucknell University

10:00 Faustin P. Maganga*, University of Dar Es Salaam; Tor A. Benjaminsen, Norwegian University of Life Sciences; Jumanne M. Abdallah, Sokoine University of Agriculture; Stefan Kistler, *Threats to a Successful Case of Community Based Forest Management: The Suledo Forest Reserve, Tanzania.*

10:15 Kimberly E Medley*, Miami University- Ohio, *Short-term Chaos to Long-term Change: Understanding Adaptive*

Behaviors for Collaborative Management at Mt. Kasigau, Kenya.

10:30 Tor A. Benjaminsen*, Norwegian University of Life Sciences; Faustin Maganga, University of Dar es Salaam; Maya Y. Minwary, Norwegian University of Life Sciences, *Community-Based Wildlife Management in Tanzania: Re-centralization, Rent Seeking, and Resistance.*

10:45 Abe Goldman*, University of Florida; Joel Hartter, University of New Hampshire, *Alternate Narratives and Responses to Fortress Conservation in a Forest Park in Western Uganda.*

Discussant(s): Peter Wilshusen, Bucknell University

4249. Study Abroad II: Experiences in studying abroad and projects in the developing world (Sponsored by Geography Education Specialty Group)

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Suzanne Walther, University of Oregon

CHAIR(S): Suzanne Walther, University of Oregon

10:00 Joni Bugden-Storie, Ph.D.*, Western Carolina University, *Curriculum Development, International Fieldwork and Natural Resource Management.*

10:05 Robert Swap, Res. Assoc. Prof.*, University of Virginia; Harold Annegarn, Prof., University of Johannesburg; Joseph Francis, Dr., University of Venda; Carol Anne Spreen, Asst. Prof., University of Virginia; Loren Intolubbe-Chmil, University of Virginia; O.G.S.O. Kgosodintsi, University of Botswana; Vhonani Netshandama, Dr., University of Venda; Clare Terni, University of Richmond/University of Virginia; Suzanne Walther, University of Oregon; Natasha Ribeiro, Dr., University of Eduardo Mondlane, *Empowering Students Through a Regional Knowledge Network in Africa.*

10:10 Cara Magoon, Undergraduate Student*, University of Virginia; Kate Villars, Undergraduate Student, University of Virginia; Julie Evans, Undergraduate Student, University of Virginia; Brian Hickey, Undergraduate Student, University of Virginia; Christopher Tutino, Undergraduate Student, University of Virginia; Ariel Sayre, Undergraduate Student, University of Virginia, *Water and Health in Rural Belize: Lessons Learned through International Service-Learning.*

10:15 Ethan K Heil*, University of Virginia; Veronica Gutierrez, University of Virginia; Duncan Nengwenani, University of Venda; Audrey Raedani, University of Venda; Gadisi Nthambeleni, University of Venda; Khuthalani C Mathoma, University of Venda; Rachel Brown-Glazner, University of Virginia, *Student's Reflection on International Study Abroad and Service Learning.*

10:20 Daniel John Saboe, Undergraduate*, UVA, *Primary Computer Education in Honduras.*

10:25 Tyler Spencer*, Georgetown University, *Study Abroad as a Springboard for Cooperation on HIV/AIDS Education in South Africa and Washington DC.*

10:30 Gina Ou Sanchez*, University of Virginia; Stephanie Paredes, University of Virginia, *Service learning experience in Santiago del Estero, Argentina.*

10:35 Michelle Marie Henry, Environmental Sciences, B.S./M.A. 2010*, University of Virginia, *Clued In to South Africa: Developing an Addiction to Development.*

10:40 Anne De Chastonay*, University of Virginia; Katelyn E Mason, University of Virginia; Jessica Rothbart, University of Virginia; Anne Rasmussen, University of Virginia; Deanna Vogt, MA Special Education,

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University of Virginia; Matt Baer, University of Virginia; Nengwenani Duncan Nkhangweleni, University of Venda; Lavhengwa Thendo, University of Venda; Audrey Raedani, University of Venda, *Project EcoVision: Sustainable Solutions Through Education in Venda, South Africa.*

4250. Supporting Women In Geography, Part 2: Graduate and Professional Perspectives (Sponsored by Geographic Perspectives on Women Specialty Group)

Room: *Lincoln Room 6, Marriott, Exhibition Level* (Panel Session)
ORGANIZER(S): Ann Myatt James, Pennsylvania State University
CHAIR(S): Ann Myatt James, Pennsylvania State University

4251. Quantifying Food Systems and Food Access II

Room: *Washington Room 1, Marriott, Exhibition Level* (Paper Session)
ORGANIZER(S): Shannon Brines, University of Michigan
CHAIR(S): Stacey Brown
10:00 Stacey Brown*, Oklahoma State University, *Slim Pickins: Food Accessibility in a Southern Capitol.*
10:20 Dajun Dai, Assistant Professor*, Georgia State University; Fahui Wang, Fred B. Kniffen Professor, Louisiana State University, *Geographic Disparities in Accessibility to Food Stores in Southwest Mississippi.*
10:40 Nairne Cameron*, Algoma University, *Supermarkets: Food Access in a Northern Ontario City.*
11:00 Laurel Lunn, M.Ed.*, Vanderbilt University's Peabody College; Neal Palmer, Vanderbilt University's Peabody College; Sharon Shields, Ph.D., Vanderbilt University's Peabody College; Teresa Sharp, Ph.D., University of Colorado, Denver, *The geography of health: Food and physical activity access in a rural Southwestern community.*

4252. Sustainable Mobility and Mobility Justice: Geographies of Transition II

Room: *Washington Room 2, Marriott, Exhibition Level* (Paper Session)
ORGANIZER(S): Mimi Sheller, Drexel University; Ole B. Jensen, Dept of Architecture & Design, Aalborg University
CHAIR(S): Ole B. Jensen, Dept of Architecture & Design, Aalborg University
Introducer: Mimi Sheller
10:05 Malene Freudendal-Pedersen, Assistant Professor, PhD*, Department of Environmental, Social and Spatial Change, *Cycling in the sustainable city.*
10:25 Paula Negron*, Institut d'urbanisme, University of Montreal; Anne-Marie Seguin, Institut National de la Recherche Scientifique-Urbanisation, Culture et Société; Philippe Apparicio, Institut National de la Recherche Scientifique-Urbanisation, Culture et Société, *Everyday accessibility in Montreal's suburban environments: A difficult situation for elderly people.*
10:45 Inger Marie Lid*, Oslo University College, Urban Research Program, *Accessible streets.*
11:05 Jan Prillwitz*, University of Exeter; Stewart W Barr, University of Exeter, *Achieving Sustainable Mobility: Perception and Acceptance of Future Travel Behavior Measures.*
Discussant(s): Sven Kesselring, Technische Universität München

4253. How do basic concepts shift in neoliberal projects? Evidence from the postsocialist world and beyond 1 (Sponsored by European Specialty Group, Russian, Central Eurasian, and East European Specialty Group)

Room: *Washington Room 3, Marriott, Exhibition Level* (Paper Session)
ORGANIZER(S): Christian Sellar, University of Mississippi; Sonia Hirt, Virginia Tech
CHAIR(S): Christian Sellar, University of Mississippi
10:00 Martin Sokol*, Queen Mary University of London, *Silicon Valley in Eastern Slovakia? The Case of Kosice IT Valley.*
10:20 Natalie R. Koch*, U of Colorado, Boulder, *Imagining "Modernity" in Astana: Legitimation and Nation-Building in Post-Independence Kazakhstan.*
Introducer: Craig Young
11:00 William C. Rowe*, Louisiana State University, *Between Russia, China, America, and the World Bank: How Tajikistan Is Negotiating Its Post 9/11 Space.*
Discussant(s): Merje Kuus, University of British Columbia

4254. Spaces of post-secular engagement 2

Room: *Washington Room 4, Marriott, Exhibition Level* (Paper Session)
ORGANIZER(S): Jason Hackworth, University of Toronto; Justin Beaumont, University of Groningen
CHAIR(S): Justin Beaumont, University of Groningen
10:00 Joshua M Akers*, University of Toronto, *Faith in the neoliberalization of post-Katrina New Orleans.*
10:15 Katherine B. Hankins*, Georgia State University; Andy Walter, University of West Georgia, *Reneighboring Poor Atlanta: The Political Economy of Faith-motivated Gentrification.*
10:30 Sally Turner*, University of Toronto, *'Tied to place': Political influences on the form and function of faith-based social welfare providers.*
10:45 Jason Hackworth*, University of Toronto, *Normalizing 'solutions' to 'government failure': media representations of Habitat for Humanity.*
Discussant(s): Paul Cloke, University of Exeter

4255. Perspectives on Geographic Complexity (2): Methods and Data Issues (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: *Washington Room 5, Marriott, Exhibition Level* (Paper Session)
ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Alison Heppenstall
CHAIR(S): Alison Heppenstall
10:00 H. Van Dyke Parunak*, Vector Research Center, Division of TTGSI; Sven A. Brueckner, Vector Research Center, Division of TTGSI, *Polyagent-Based Mapping of Aleatoric Uncertainty in Geospatial Trajectories.*
10:20 Geoffrey Jacques*, BioMedware, Inc., *space-time intelligence system software for the analysis of complex geographic systems.*
10:40 Wenwu Tang*, University of Illinois at Urbana-Champaign; David A. Bennett, University of Iowa; Shaowen Wang, University of Illinois at Urbana-Champaign, *Parallel Agent-based Modeling for Large-scale Geographic Systems.*
11:00 Burak Güneralp*, Yale University; Michael K. Reilly, Stanford University; Karen C. Seto, Yale University, *Simulating feedbacks across and among scales in land change science: An operational framework.*
11:20 Arika Ligmann-Zielinska*, Michigan State University, *Variance-Based Global Sensitivity Analysis of Decision Making Mechanisms in an Agent-Based Model of Land Use Change.*

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4256. Informality as Order in the Neo-liberal City

Room: Blue Room, Omni Shoreham (Paper Session)

ORGANIZER(S): Alex Wafer; Ian Wood, Brock University

CHAIR(S): Ryan Devlin, University of California-Berkeley

10:00 Ryan Devlin*, University of California-Berkeley, *Informal Governance: Managing Street Vending and Public Space on the Sidewalks of New York*.

10:15 Ian Wood*, Brock University, *Regulating public space in the peripheral districts of Lima, Peru: municipal responses to informal vendors*.

10:30 Alex Wafer*, Open University, UK, *Spatial Governmentality and Informality in Johannesburg*.

10:45 Mary Njeri Kinyanjui*, Nairobi University-IDS, *Informality and Informal Social Institutions in Organizing Society and Coordinating Markets*.

11:00 Jan Dohnke*, Freie Universität Berlin, *One advice, Space - The challenge to bridge the gap between temporary use and formal urban development in re-unified Berlin*.

4260. Utilize Spatial Analysis and Modeling for Remote Sensing Data Processing

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shiguo Jiang, The Ohio State University

10:00 Amy C Burnicki*, University of Wisconsin-Madison, *Impacts of error on the predicted pattern of change in a post-classification change analysis*.

10:20 Guofeng Cao*, University of California, Santa Barbara; Phaedon Kyriakidis, University of California, Santa Barbara; Michael Goodchild, University of California, Santa Barbara, *Transition Probability-based Geostatistical Methods for Modeling Categorical Spatial Data*.

10:40 Rahul Rakshit*, Clark University, *Accuracy assessment of object-based image analysis outputs*.

11:00 Semiha Caliskan*, University of Oklahoma; Biradar M. Chandrashekar, Dr., University of Oklahoma, *Effects of solar radiation on vegetation phenology in Oklahoma using MODIS images and Mesonet measurements*.

11:20 Shiguo Jiang*, The Ohio State University; Desheng Liu, The Ohio State University, *Mapping Forest Age and Forest Trajectory in a Tropical Maya Area Using Multi-temporal Landsat Images*.

4263. Latin America Food Production, Distribution, and Policy (Sponsored by Latin America Specialty Group)

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Annette Quintero; Jamie Foster, University of Wisconsin - Madison

CHAIR(S): Annette Quintero

10:00 Annette Quintero*, California State University, Long Beach, *Famine or Feast: A Geo-Political Analysis of Costa Rica's Food Security*.

10:20 Jamie Foster*, University of Wisconsin - Madison, *Constructing Quinoa: Producing Agricultural Commodities and Markets*.

10:40 Eve Bratman*, American University, *Dubious Villain, Tragic Hero: Amazonian Beef and the Paradox of Sustainable Development in Practice*.

11:00 Heather N. Lee*, Virginia Tech; Lawrence S. Grossman, Ph.D, Virginia Tech, *The Impact of Store Size on Food Import Dependency in the Dominican Republic*.

11:20 Maria G Corradini*, Food Engineering and Biotechnology Department, Institute of Technology, Universidad Argentina de la Empresa, Ciudad de Buenos Aires, Argentina; Sebastian L Oddone, Food Engineering and Biotechnology Department, Institute of Technology, Universidad Argentina de la Empresa, Ciudad de

Buenos Aires, Argentina; Yanina Barrio, Food Engineering and Biotechnology Department, Institute of Technology, Universidad Argentina de la Empresa, Ciudad de Buenos Aires, Argentina; Ana L Darduín, Food Engineering and Biotechnology Department, Institute of Technology, Universidad Argentina de la Empresa, Ciudad de Buenos Aires, Argentina; Arturo E Osorio, Rutgers Business School, Management & Global Business Department, Newark & New Brunswick, NJ, USA, *Poles of food-borne disease risk: Mapping self-service food stores and temperature abuse in the city of Buenos Aires*.

4265. Disturbance and Disturbance Interactions - Part II (Sponsored by Biogeography Specialty Group)

Room: Director's, Omni Shoreham (Paper Session)

ORGANIZER(S): Erica Smithwick; Alan H. Taylor, Pennsylvania State University

CHAIR(S): Erica Smithwick

10:00 Alan H. Taylor, PhD*, Pennsylvania State University; Valerie Trouet, PhD, ETH, Swiss Federal Institute, Zurich; Carl Skinner, USFS Pacific Southwest Research Station, Redding; Scott Stephens, PhD, ESPM University of California Berkeley, *Climatic influences on fire occurrence in mixed conifer forests in the Sierra Nevada before fire suppression*.

10:20 Jesse Morris*, University of Utah; Andrea Brunelle, PhD, University of Utah, *Calibration and Application of Sedimentary Proxies in Evaluating Spruce Beetle Disturbances from the High Plateaus of Utah*.

10:40 Erle C Ellis, Ph.D.*, University of Maryland - Baltimore County, *More than a Disturbance: The Human Biosphere, 1700 - 2000*.

11:00 Brenden McNeil*, West Virginia University; James Bedison, University of Pennsylvania, *Is the growth of temperate forest trees enhanced along an ambient nitrogen deposition gradient?*.

11:20 Lawrence E Band*, University of North Carolina - Chapel Hill; Taehee Huang, University of North Carolina, *Climate, geomorphic and species controls on transient canopy development and soil water, carbon and nutrient cycling following disturbance*.

4266. Comparative dimensions of "green" city development II (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Harvey Neo, National University of Singapore; Choon-Piew Pow, National University of Singapore

CHAIR(S): Choon-Piew Pow, National University of Singapore

10:00 Johanne Orchard-Webb*, University of Brighton, UK, *"Congestion, conflict and confusion" in an English resort: Multi-scalar governance in the (re) construction of a 'Sustainable Community Strategy'*.

10:20 Donna D. Rubinoff, PhD*, *Post-Genocide, Gentrification, and Gender: Urbanization and Sustainability in Kigali, Rwanda*.

10:40 Abdulhadi Harmanshah*, Universiti Kebangsaan Malaysia; Abdul Samad Hadi, PhD, Lestari, UKM; Shaharudin Idrus, Lestari, UKM; Ahmad Fariz Mohamed, PhD, Lestari, UKM, *The Sustainability of Urbanization: The Experience of the Bernam Linggi Region in Malaysia*.

11:00 Robert Winston Taylor, PhD*, Montclair State University, *Sustainability and Redevelopment in the City of Manila, Philippines*.

11:20 Harvey Neo, Dr*, National University of Singapore, *In situ greening of Cleveland, Ohio: can the grassroots make a difference?*.

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4267. **Representing Place: Methods, Tensions, and the Problem of Authenticity**

Room: *Empire, Omni Shoreham* (Paper Session)

ORGANIZER(S): Timur Hammond

CHAIR(S): Timur Hammond

10:00 Timur Hammond*, UCLA Dept. of Geography,
Representing Istanbul and the "Problem" of the West
- Reading Orhan Pamuk's *Istanbul: Memories and the City*.

10:20 Andrew Grant*, UCLA, *Film, Fantasy, and Tibet*.

10:40 Alice E. Huff*, UCLA, *The Power of Attachment: An Analysis of Democratic Place-making in Relational Art*.

11:00 Tuyen B. Le, Graduate Student*, UCLA, *California Dreamin' to Dreaming of Uncle Ho*.

4268. **Right to the city: transnational urban governance and socio-spatial transformations-2 (Sponsored by Urban Geography Specialty Group, China Specialty Group)**

Room: *Forum, Omni Shoreham* (Paper Session)

ORGANIZER(S): Shenjing He, Sun Yat-Sen University; Guo Chen, Michigan State University

CHAIR(S): Tony Samara, George Mason University

10:00 Xuefei Ren*, Michigan State University; Liza Weinstein, Northeastern University, *Mega-Projects, Housing Rights, and Urban Citizenship in Shanghai and Mumbai*.

10:20 Nur Bahar Sakizlioglu*, *Governing Gentrification: The Case of Tarlabasi-Istanbul*.

10:40 Ülker Sözen*, Koç University, Turkey, *Gentrification, Cultural Consumption and Cosmopolitanism in Istanbul's Urban Core*.

Discussant(s): Loretta Lees, King's College London, Dept. of Geography

4271. **Real Worlds and Environmental Visions II**

Room: *Palladian, Omni Shoreham* (Paper Session)

ORGANIZER(S): Guy Baeten; Erik Jönsson, Lund University

CHAIR(S): Erik Jönsson, Lund University

10:00 Eric Clark*, Lund University; Thomas L. Clark, Tallahassee, Florida, *Islands, sustainability, and what we think we know about human nature*.

10:20 Guy Baeten*, Department of Human Geography, University of Lund, *Saving the Planet, Cataclysmic Climates and the Staging of a Malthusian Moment*.

10:40 Kevin Ramsey*, University of Washington, *Adapting (to) the 'Climate Crisis': Activism, Governmentality, and the Politics of Mobility in Seattle*.

11:00 Hilary Geoghegan*, University of Exeter; Catherine Brace*, *Envisioning environmental knowledge: farmers, parish councilors and nature conservationists on the Lizard Peninsula, Cornwall, UK*.

11:20 Carol Farbotko*, University of Wollongong; Chris Gibson, University of Wollongong; Nick Gill, University of Wollongong; Lesley Head, University of Wollongong; Gordon Waitt, University of Wollongong, *Green Jobs and Drowning Homes: Visions of Climate Change in an Australian Steel City*.

4272. **Spatial Analysis and Modeling**

Room: *Senate, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): JiYoung Park, University at Buffalo, The State University of New York

10:00 Daniel A Pollak*, SOARS Program- National Center for Atmospheric Research; Olga Wilhelmi, NCAR/UCAR; Isabelle Ruin, NCAR/UCAR, *Flash Floods: Spatial and Temporal Analysis- A Case Study of the March 2008 Flash Floods in Southwestern Missouri*.

10:20 Martin M. Kaufman, Ph.D.*, University of Michigan-Flint; Allison McGarry, Research Associate, University of Michigan-Flint; Jeffrey Nugent, Research Associate, University of Michigan-Flint, *Geographical Advantages of Regional Airports: A Case Study of Flint, Michigan*.

10:40 William Gustav Gartner, Dr*, UW-Madison, *Agricultural Potential as a Cultural Appraisal: A Raster Analysis of Wisconsin Raised Fields and Climate (ca 1000 - 1850 AD)*.

11:00 Andrew J. Greenlee*, The University of Illinois at Chicago, *The Geography of Choice Within Illinois' Housing Choice Voucher Program*.

11:20 JiYoung Park*, University at Buffalo, The State University of New York; Peter Gordon, University of Southern California; James E Moore, II, University of Southern California; Harry W Richardson, University of Southern California, *FlexNIEMO: Identifying the Multiregional Structural Impacts of the Events of 2001*.

4273. **Nature's of Risk**

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

Level (Paper Session)

ORGANIZER(S): Andrew Baldwin, Durham University; Anna Stanley, National University of Ireland, Galway

CHAIR(S): Andrew Baldwin, Durham University

10:00 Anna Stanley, Dr*, National University of Ireland, Galway, *Natures of Risk: capital, rule, and production of difference*.

10:20 Sasha Cuerda*, University of Illinois at Urbana-Champaign, *Materializing Risk: Live Hog Futures, Good Pigs and the Moral Farmer*.

10:40 Andrew Baldwin*, Durham University, *Environmental citizenship and turbulent materialism: the problem of carbon in an era of climate security*.

11:00 Leigh T Johnson*, University of California Berkeley, *Trading natural catastrophes and lives: Abstract risk, profits, and pensions in an age of securitization*.

Discussant(s): Scott Prudham, University of Toronto

4274. **Geographic Thought from Geography Experience**

Room: *Park Tower 8205, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert B. Honea, Retired

10:00 Steve Butcher*, Kent State University, *Exceptional Geographies*.

10:20 Luca Muscara, dr.*, Università del Molise, *The Global City Regions' Paradigm and its Precursors: a History of Geographic Thought Perspective*.

10:40 Alice (Jill) Black, Ph.D.*, Missouri State University, *How Do Physical Geographers Think and Work? Uncovering Student Perceptions in an Intercession Course on Disaster Movies*.

11:00 Marielle Wastable*, UMR 85014 Géographie-Cités, *French geographers and the United states*.

11:20 Robert B. Honea, PhD*, Retired, *Geographers Doing Geography at National Laboratories: Forty years of experience*.

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4275. Watershed Data Collection, Analysis, and Modeling

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jackie Ebert, Missouri State University

10:00 Elizabeth McCartney*, US Geological Survey, *Fundamentals of Stewardship for the National Hydrography Dataset (NHD)*.

10:20 Myrna H Hall, Research Associate*, SUNY College of Environmental Science and Forestry; Karin Limburg, PhD, SUNY College of Environmental Science and Forestry; Bonngi Hong, PhD, Cornell University; Giorgos Mountrakis, PhD, SUNY College of Environmental Science and Forestry; Peter Groffman, PhD, Cary Institute of Ecosystem Studies, *An integrated monitoring/modeling framework for assessing human-nature interactions in urbanizing watersheds*.

10:40 Gabriela da Costa Silva*, UQAM, *A watershed-based method for socio-environmental vulnerability assessment with a case study of Rio de Janeiro, Brazil*.

11:00 Stephanie Kleinschmidt*, Macalester College, *Analysis of Streamflow Change in the St. Croix River: A Hydrological Model*.

11:20 Jackie Ebert*, Missouri State University, *Watershed-based Environmental Planning in Bluefields Bay, Jamaica*.

4276. Political Perspectives on the Environment

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Tiffany Grobelski

10:00 Sen Du*, University of Birmingham, UK, *China's Climate Policies: Now and the Future*.

10:20 Berit Kristoffersen, MA*, University of Tromsø, *Security and the Future of the Norwegian Petroleum State*.

10:40 Vladimir Litvak*, Aristeas Corporation, *Changing geography of energy: post-Copenhagen view*.

11:00 Tone Huse*, University of Tromsø, *Necessary but Unpopular*.

11:20 Tiffany Grobelski*, University of Washington, *The Dynamics of Scale in EU Environmental Governance: A case study of integrated permitting in Poland*.

4277. Remote Sensing of Land Use

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Emiliana Mwita, Dar Es Salaam University College of Education

10:00 Cerian Gibbs*, University of Florida; Jane Southworth, University of Florida, *Evaluating ecological status in semi arid African savannas: a multi-scalar and multi platform approach to quantifying savanna composition*.

10:20 Jason Yang*, Ball State University; Francisco Artigas, New Jersey Meadowlands Environmental Research Institute, *Detecting salt marsh vegetation changes using hyperspectral remote sensing*.

10:40 Min Jo Kang*, Arizona State University; Won Kyung Kim, Arizona State University, *Estimating Imperviousness and Greenness using Per-pixel, Subpixel, and Object-oriented Classification Methods*.

11:00 Emiliana John Mwita*, University of Bonn; Gunter Menz, University of Bonn; Salome Misana, University of Dar es Salaam; Danielson Kisanga, Miami University Middle Town, OH; Mathias Becker, University of Bonn; Beate Boehme, University of Siegen, *Mapping Small Wetlands of Kenya and Tanzania using Remote Sensing Techniques*.

4278. GIS Data Production and Database

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Stephen Lowe, US Department of Agriculture

10:00 Lisa Duarte*, USGS Gap Analysis Program /University of Idaho, *Protected Areas Database of the United States (PAD-US): Progress, Products and Pains*.

10:20 Samantha T. Arundel-Murin*, US Geological Survey; Scott Whitaker, US Geological Survey; Lori Phillips, US Geological Survey; Philip Thiem, US Geological Survey, *An Overview of Automatic Digital Contour Production for the USGS US Topo Graphics Product*.

10:40 Youliang Qiu*, University of Florida; Jing Sun, University of Florida, *GlobalCake: A Spatial Data Warehouse for Climate Change Research*.

11:00 Tora Johnson, B.S. M.Phil. *, University of Maine at Machias; Judy East, A.I.C.P., Washington County Council of Governments; Michael Lachance, B.S., University of Maine at Machias; Inez Lombardo, B.A., University of Maine at Machias, *From Conflagration to Consensus: Using Applied Geography to Diffuse Conflict and Support Improved Decision-Making for Shoreland Zoning in Rural Washington County, Maine, USA*.

11:20 Stephen Lowe*, US Department of Agriculture, *Enabling Place-based Innovation in Federal Governance*.

4279. Natural Resource Management

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Christopher Serenari, North Carolina State University

10:00 Barbara Brower*, Portland State University, *Extreme Grazing, Resilience, and the Case for Yak-Keeping around Mt Everest*.

10:20 Yaser M. Najjar, Dr. *, Qatar University, *Spatial and Behavioral Analysis of Resorts Location in Qatar*.

10:40 Robert A Rose, PhD*, Wildlife Conservation Society; Simon Hedges, PhD, Wildlife Conservation Society; Eric Sanderson, PhD, Wildlife Conservation Society, *A Spatially Explicit Approach for Setting Rangewide Conservation Priorities for Asian Elephants*.

11:00 Ricardo Gonzalez, PhD*, Florida International University; Ricardo M Gonzalez, PhD, Florida International University, *Boom-to-Bust. The Political Ecology of Scallop (*Argopecten purpuratus*) Use and Management in the Pisco-Paracas Region, Southern Peruvian Coast*.

11:20 Christopher Serenari*, North Carolina State University, *Incorporating Culture into Low Impact Wilderness Ethics: An Exploratory Study in Garhwal Himalaya*.

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4325. Ethnic Geography Specialty Group Business Meeting (Sponsored by Ethnic Geography Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Meeting Session)

4337. Disability Specialty Group Business Meeting (Sponsored by Disability Specialty Group)

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Meeting Session)

AAG Department Chairs Luncheon

Saturday, April 17, 11:55 p.m. - 2:00 p.m.

Room: Thurgood Marshall West, Marriott, Mezzanine Level)

Organizer: AAG; Ken Foote, AAG Vice President

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4402. Physical and Social Dimensions of Hazardous Weather I: Seasonal Variability in Weather-Related Mortality (Sponsored by Climate Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Kenneth Blumenfeld, University of Minnesota;
Scott Sheridan, Kent State University
CHAIR(S): Scott Sheridan, Kent State University

12:40 Scott C Sheridan*, Kent State University, *The season cycle
of warm weather-related mortality across the United
States.*

1:00 Michael J Allen*, Kent State University, *The Impact
of Winter Weather on Human Health: A Regional
Approach to Understanding Vulnerability in the United
States.*

1:20 Robert E. Davis, Ph.D.*, University of Virginia; Colleen
Rossier, University of Virginia; Stephen Gawtry,
University of Virginia, *The Effect of Temperature
and Humidity on the Prevalence of Influenza and
Respiratory Mortality.*

1:40 Jeremy Spencer*, Kent State University, *An Analysis of
Avalanche Fatality Databases in the United States.*

4403. Social Geography of Risk: Which Approaches? III (Sponsored by Hazards Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Pierpaolo Mudu, Università Di Roma; Elise
Beck, Joseph Fourier University

CHAIR(S): Ben Wisner, Independent Scholar

12:40 Herve Flanquart*, CNRS-MESHS, *An unwelcome user?
Or how to negotiate the use of a risky space..*

12:55 Guido Signorino*, University of Messina; Maria La
Rocca, University of Messina - Dept. "W. Pareto";
Elisa Gatto, University of Messina - Dept. "W. Pareto",
*Risk Perception in Two Petrochemical Areas of Sicily
(Augusta and Milazzo).*

1:10 Chih-Yu Lai*, University of Oklahoma; May Yuan,
University of Oklahoma; Hank Jenkins-Smith,
University of Oklahoma, *Examining the Risk
Perception of Nuclear Waste Shipments in South
Carolina.*

1:25 Jasmine Waite*, University of the West Indies - Mona, *Role
of experience and perception in informing mitigation
measures for hurricanes and related hazards in
Caribbean tourism - Case study of the accommodation
sub-sectors in Jamaica and Barbados..*

1:40 Samuel Rufat*, Paris 7 Diderot University, *Risk Perception
Spatialization in Bucharest, Romania.*

1:55 Xavier Michel*, IUFM Basse-Normandie; Philippe Boudes,
LADYSS CNRS, *Establishing a Social Geography
of Freshwater Shortage Risk in a Tourist Territory :
Morbihan (France).*

4404. Topics in Land Use Research

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alexander Wagner, Rice University

12:40 Andrew James Huddy*, The University of Connecticut,
*Farming Alone - Developing social capital and
economic variables in Michigan's rural-urban fringe.*

1:00 Rachel Goffe*, CUNY GC, *Peculiar Commodities and the
Metabolisms of Production and Reproduction.*

1:20 Kelly Main, Ph.D.*, California Polytechnic State
University, San Luis Obispo, *Latino and Immigrant
Communities and Public Space Planning: Emotional
Attachment to MacArthur Park and Its Implications for
Planning Practice.*

1:40 Alexander J. Wagner*, Rice University, *The Arctic National
Wildlife Reserve and the New Landscape of Energy.*

2:00 Michael P Stier*, U. S. Geological Survey, *Assessing
Contemporary Landscape Change for the Greater
Platte River Basin.*

4405. Urban Bodies/Embodied Urbanism I: Geographies, Rhythms and Everyday Life (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Leslie Kern, Mount Allison; Craig Meadows,
York University

CHAIR(S): Craig Meadows, York University

12:40 Andrew Gorman-Murray, PhD*, University of
Wollongong, *Urban Homebodies: Spatialities of
Masculinity and Domesticity in Inner Sydney.*

1:00 Leslie Kern, PhD*, Mount Allison, *Strike a Neoliberal
Pose? Yoga and the Embodied Geographies of
Gentrification.*

1:20 Brenda Parker*, University of Illinois At Chicago,
*Embodied Civic Boosterism: Performing the Creative
Script.*

Discussant(s): Marcia R. England, Miami University

4406. Olympic Cities, 1896-2016: I. Historical Experience and Winter Olympics

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

ORGANIZER(S): John R. Gold, Oxford Brookes University;
Margaret M. Gold, London Metropolitan University

CHAIR(S): John R. Gold, Oxford Brookes University

12:40 Margaret M. Gold*, London Metropolitan University;
John R. Gold*, Oxford Brookes University, *Olympic
Cities and the illusions of legacy.*

1:00 Jennifer R. Ballengee, PhD*, Towson University, *"Selling"
Fascism: Riefenstahl's Olympia and the Mythical
Landscape.*

1:20 Ian G. Cook, Professor*, Liverpool John Moores
University, *The Beijing Olympics: Evaluating Success
and Failure.*

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- 1:40** Natalie Baloy, University of British Columbia; Solen Roth, University of British Columbia; Eva Sierp, University of Potsdam, Germany; Priya Vadi*, Simon Fraser University, *Aboriginal Participation In The Vancouver 2010 Games: Towards A Re-Aboriginalized Landscape?*.
- 2:00** Martin Müller*, Universität St. Gallen, *Entrepreneurial urban governance? Russia and the Winter Olympics 2014 in the city of Sochi*.
- 4407. Specialty and Affinity Group New Chair Technical Orientation Meeting**
Room: *Marriott Ballroom Salon 3, Marriott, Lobby Level (Meeting Session)*
- 4408. Land Use Change and Watershed Assessment II (Sponsored by Water Resources Specialty Group, Biogeography Specialty Group, Remote Sensing Specialty Group)**
Room: *Maryland Suite A, Marriott, Lobby Level (Paper Session)*
 ORGANIZER(S): Xiaojun Yang, Florida State University; Liding Chen, Research Center For Eco-Environmental Sciences, CAS
 CHAIR(S): Xiaojun Yang, Florida State University
12:40 Junmei Tang*, University of Maryland, Baltimore County, *Investigating the landscape dynamics and its impact on nutrient discharges in an urbanized watershed*.
1:00 Jinliang Huang*, Xiamen University, China; Qingsheng Li, Xiamen University; Robert Gilmore Pontius Jr., Clark Unveristy; Jie Lin, Xiamen University; Huasheng Hong, Xiamen University, *Linking Water Quality and Land Use/landscape Pattern in a Medium-sized Watershed, Southeast China*.
1:20 Ranhao Sun*, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences; Liding Chen, Research Center for Eco-Environmental Sciences, CAS; Yuhe Ji, Research Center for Eco-Environmental Sciences, CAS; Ailian Chen, Research Center for Eco-Environmental Sciences, CAS; Erhui Guo, Research Center for Eco-Environmental Sciences, CAS, *Assessing the effect of land cover pattern on nutrient losses by using sink-source landscape index in the Haihe River, China*.
1:40 Ting Liu*, Tao Zhang; Xiaojun Yang, *Exploring the Relationship Between Landscape Characteristics and Water Quality: A Geovisualization Approach*.
2:00 Xiaojun Yang*, Department of Geography, Florida State University, *Quantifying Land-Water Relationship: Status and Challenges*.
- 4409. Remembering Fred E. Lukermann (Sponsored by History of Geography Specialty Group)**
Room: *Maryland Suite B, Marriott, Lobby Level (Panel Session)*
 ORGANIZER(S): Kent Mathewson, Louisiana State University
 CHAIR(S): John S. Adams, University of Minnesota - Minneapolis
 Introducer: John S. Adams
 Discussant(s): Trevor J. Barnes, University of British Columbia
 Panelists: Kent Mathewson, Louisiana State University; Ronald F. Abler, International Geographical Union; John S. Adams, University of Minnesota - Minneapolis; Michael R. Curry, University of California, Los Angeles
- 4410. Topics in Coastal and Marine Geography- Student Paper Merit Competition (Sponsored by Coastal and Marine Specialty Group)**
Room: *Maryland Suite C, Marriott, Lobby Level (Paper Session)*
 ORGANIZER(S): Jennifer L. Rahn, Samford University
 CHAIR(S): Jennifer L. Rahn, Samford University
12:40 Marilyn C Montgomery*, University of South Florida, *Spatial Analysis of Vulnerability to Coastal and Inland Flood Hazards in Tampa Bay, Florida*.
1:00 Rosana Grafals-Soto, Ph.D. Candidate*, Rutgers University, *Local effects of remnant fences on landward vegetation diversity at developed foredunes*.
1:20 Sherestha Saini*, New Jersey Institute of Technology; Nancy L. Jackson, New Jersey Institute of Technology; Karl F. Nordstrom, Rutgers University, *Swash zone sediment transport on an estuarine foreshore*.
1:40 Katherine H. Korotky*, Rutgers University; Karl F. Nordstrom, Rutgers University; Nancy L. Jackson, New Jersey Institute of Technology, *Effects of sand fences and beach raking on the coastal landscape, Avalon, NJ USA*.
2:00 Jillian Eldridge*, Student, *The Thames Gateway: flood risk, vulnerability and insurance loss potential*.
- 4411. Environmental Justice, Science, and Expertise**
Room: *Nathan Hale, Marriott, Lobby Level (Paper Session)*
 ORGANIZER(S): Scott Prudham, University of Toronto; Nik Heynen, University of Georgia
 CHAIR(S): Nik Heynen, University of Georgia
 Introducer: Nik Heynen
12:45 Nik Heynen*, University of Georgia, *Hoodwinked in the Hothouse': The Politics of Climate Justice, Popular Education and Citizen Science*.
1:00 Ellen Kohl*, University of Georgia, *Building a Bouquet of Collective Knowledge: Democratizing Knowledge Production about Environmental Justice with the Newtown Florist Club*.
1:15 Jill Harrison*, University of Wisconsin-Madison, *Re-defining justice in environmental problem solving: Lay knowledge in political conflict over pesticide drift in California*.
1:30 Ryan Holifield*, University of Wisconsin - Milwaukee; Kristin M. Sziarto*, University of Wisconsin-Milwaukee, *Science, Democracy, and Socio-cultural Impacts of Environmental Change: Accommodating Multiple Forms of Knowledge in an Integrated Risk Assessment*.
 Discussant(s): Scott Prudham, University of Toronto
- 4412. Rethinking Islandness I: Discursive Spaces and Tidalectics in Island Worlds (Sponsored by Socialist and Critical Geography Specialty Group, Qualitative Research Specialty Group, Cultural Geography Specialty Group)**
Room: *Park Tower 8206, Marriott, Lobby Level (Paper Session)*
 ORGANIZER(S): Amy L. McCleary, University of North Carolina at Chapel Hill; Joseph Palis, University of North Carolina at Chapel Hill
 CHAIR(S): Tina Mangieri, Champlain College
12:40 Susan P. Mains*, University of the West Indies-Mona, *Islandness and "Stories-so-Far": Enaging Tidalectics in Caribbean Placemaking*.
1:00 Elizabeth Hennessy*, University of North Carolina Chapel Hill; Amy L. McCleary*, University of North Carolina at Chapel Hill, *The Galapagos Islands: Social Life in "Nature's Laboratory"*.
1:20 Matthew J. Reilly*, University of North Carolina - Chapel Hill, *The powerful dialectic of rubble: palimpsestic geographies and the political economy of ruins in Havana*.

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1:40 Beth Tamayose*, UCLA; Lois Takahashi, PhD, UCLA,
Legal Geographies of Land in the US Pacific Islands: Historical Analyses of Indigeneity, Gender, and Class.
Discussant(s): Linda Quiquixiv, University of North Carolina, Chapel Hill

4413. Political Geoscience at the Local Level (Sponsored by Population Specialty Group, Political Geography Specialty Group, Energy and Environment Specialty Group)

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Larry Kleitch, Texas State University-San Marcos

CHAIR(S): Larry Kleitch, Texas State University-San Marcos

12:40 Suzanne Lashner Dayanim*, Temple University, *Double Disadvantage: Economic Opportunity Differences of Minority-Owned Professional Services Businesses in Philadelphia, Pennsylvania.*

1:00 Suvi Talja*, University of Helsinki/Northeastern University, *The making of suburban sports and recreation spaces in a mid-size European city: Helsinki and Dublin c. 1955 - 1975.*

1:20 Blaise Dupuis, PhD Student*, University of Neuchâtel, Institute of Geography, Switzerland, *The transnational connections of the neo-traditional urbanism: the production of built forms in Val d'Europe (France) and Heulebrug (Belgium).*

4414. Radical Pedagogy in the Classroom: A View From the Graduate Student

Room: Park Tower 8210, Marriott, Lobby Level (Panel Session)
ORGANIZER(S): Erin Siodmak, CUNY Graduate Center;

Bradley Gardener, SUNY - Binghamton

CHAIR(S): Erin Siodmak, CUNY Graduate Center

Panelists: Erin Siodmak, CUNY Graduate Center; Bradley Gardener, SUNY - Binghamton; Keith Miyake, CUNY Graduate Center; Robert Jackson, CUNY Graduate Center

4416. Contributions from Second-World Cities: issues across post-communist/post-socialist urban space (Sponsored by Russian, Central Eurasian, and East European Specialty Group, China Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Megan Dixon, College of Idaho

CHAIR(S): Megan Dixon, College of Idaho

Panelists: Nathaniel S. Trumbull, University of Connecticut; Kam Wing Chan, University of Washington; Wei Xu, University of Lethbridge; Marianna Pavlovskaya, Hunter College; Grigory Ioffe, Radford University; You-tien Hsing, University of California at Berkeley

4417. Critical Geopolitical Histories of the Cold War

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Sean Carter, University of Exeter; Alasdair Pinkerton, Royal Holloway, University of London

CHAIR(S): Klaus Dodds, Royal Holloway, University of London
12:40 Sean Carter, Dr*, University of Exeter, *Photojournalism and the Early Cold War.*

1:00 Gunnar K. Maus*, University of Bayreuth, *Wasserkuppe Radar Station - Public Perceptions of a Cold War Early Warning Site.*

1:20 Sara Fregonese*, Royal Holloway University of London, *Lost lands of the Cold War: Western diplomacy's approaches to Lebanon's civil war.*

1:40 Alasdair Pinkerton*, Royal Holloway, University of London, *Running rings around Eurasia: broadcasting and listening during the early Cold War.*

2:00 Chris Sneddon*, Dartmouth College, *Cold War Technopolitics: Large Dams and the Geopolitics of Development, 1949-1975.*

4418. Perspectives on New Urbanism: Issues, Analysis and Critiques (Sponsored by Urban Geography Specialty Group, Energy and Environment Specialty Group, Regional Development and Planning Specialty Group)

Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Sun Hui Sim, Florida State University; Kathryn Ziewitz, Florida State University

CHAIR(S): Kathryn Ziewitz, Florida State University

12:40 Kathryn Ziewitz*, Florida State University; Kathryn L. Ziewitz, PhD student ABD, Florida State University, *A Historical Context for New Urbanism.*

1:00 Wesley Marshall, PhD*, University of Colorado Denver, *The Efficacy of New Urbanist Street Networks: How Much We Drive.*

1:20 Cornelius Williams*, *New Urbanism's Hometown: Success and Failure on the Ground.*

1:40 Sun Hui Sim*, Florida State University; Kathryn Ziewitz, Florida State University, *New Urbanism in Florida: Demographic, Spatial, Transportation, and Characteristics.*

4419. Remote Sensing-based Agricultural Land Cover Identification and Change Analysis (Sponsored by Remote Sensing Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Zhengwei Yang, USDA/National Agricultural Statistics Service; Cuizhen Wang, University of Missouri

CHAIR(S): Zhengwei Yang, USDA/National Agricultural Statistics Service

12:40 Claire Boryan*, USDA/National Agricultural Statistics Service, *A Crop Specific Land Cover Classification of the Chesapeake Bay Watershed: NASS' 2009 Cropland Data Layer Product.*

1:00 Cuizhen Wang*, University of Missouri, *Mapping perennial bioenergy crops in North American tallgrass prairie with time-series MODIS NDVI products.*

1:20 Le Wang*, SUNY at Buffalo; Jose Silvan, SUNY-Buffalo, *Three Decades' Invasive Saltcedar Mapping using Landsat TM imagery.*

1:40 Zhengwei Yang*, USDA/National Agricultural Statistics Service, *A study of Land Cover Change Detection with Tanimoto Distance.*

2:00 Genong (Eugene) Yu*, Center for Spatial Information Science and Systems, George Mason University; Liping Di, Center for Spatial Information Science and Systems, George Mason University; Wenli Yang, Center for Spatial Information Science and Systems, George Mason University, *High Resolution Soil Moisture Retrieval using Satellite Remotely Sensed Data.*

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4420. Indigenous Cartographies and Counter-Mapping (Sponsored by Indigenous Peoples Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Renee Pualani Louis, University of Hawaii
 CHAIR(S): Jay T. Johnson, University of Kansas
 12:40 Wendy R. Eisner*, University of Cincinnati; Jessica Jelacic*, University of Cincinnati; Changjoo Kim, University of Cincinnati; Dorin Del Alba, IntegrativeGroup.com; Chris Cuomo, University of Georgia, *The Development of an Indigenous Knowledge Participatory GIS for an Iñupiaq Community, North Slope, Alaska.*
 1:00 Jon Corbett*, University of British Columbia-Okanagan, *"The land is our children's memories" The role of user generated map-based mash-ups to overcome disconnection in a displaced aboriginal community.*
 1:20 Mark H. Palmer, Ph.D.*, University of Missouri-Columbia, *Mapping Back and Beyond: Countermapping and GIS for Cultural Sustainability.*
 1:40 Irène Barbara Hirt*, University of Geneva, *"Maps and dreams": the decolonization of geographical knowledge and methodologies through a Mapuche community mapping project in southern Chile.*
 Discussant(s): Margaret Pearce

4421. What are the Grand Challenges of Geographic Information Science? (Sponsored by Cyberinfrastructure Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Virginia Suite B, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Dawn J. Wright, Oregon State University; Chaowei Yang, CISC/GMU
 CHAIR(S): Dawn J. Wright, Oregon State University
 Introducer: Dawn J. Wright
 Discussant(s): Chaowei Yang, CISC/GMU
 Panelists: May Yuan, University of Oklahoma; Tim Nyerges, University of Washington; Edward Cope, NGA; Peggy Agouris, George Mason University; Jerry Johnston, US Environmental Protection Agency

4422. Geographies of Slavery: Mobilities, Borders and Emancipations (Sponsored by Africa Specialty Group, Study of the American South Specialty Group, Historical Geography Specialty Group)

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Derek H. Alderman, East Carolina University; G. Rebecca Dobbs, University of North Carolina at Chapel Hill
 CHAIR(S): Derek H. Alderman, East Carolina University
 12:40 Scott Hancock, Assoc Prof of History*, Gettysburg College, *Crossing Freedom's Fault Line: Law, Borders, Identity, and the Underground Railroad.*
 1:00 Amanda Coleman*, Arkansas State University, *"When Freedom Come, We Left": Recalling Black Migration in the post-Civil War U.S. South.*
 1:20 Anyaa Anim-Addo*, Royal Holloway, *'A wretched and slave-like mode of labour': slavery, emancipation, and the maritime geographies of coal, 1841-1854.*
 1:40 Glen Conner*, Western Kentucky University, *Birth-States of Slaves in a Border County of a Border Slave State.*

4423. Political Ecologies of Bodies (Sponsored by Health and Medical Geography Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Coolidge, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Julie Guthman, University of California Santa Cruz
 CHAIR(S): Julie Guthman, University of California Santa Cruz
 Introducer: Julie Guthman
 12:43 Dawn Biehler*, University of Maryland, Baltimore County, *Home Eco-logics: Managing Bodies, Animals, and Chemicals in Domestic Space.*
 1:02 Julie Guthman*, University of California Santa Cruz, *Environmental Toxins and "Obesity:" What's Not Eating the Foodies?.*
 1:21 Jessica Hayes-Conroy*, Wheaton College, *Visceral Access: Obstacles and Openings to Healthy Alternative Food.*
 1:40 E. Melanie DuPuis, Ph.D.*, UC Santa Cruz, *Enteria: A Gastro-political Ecology.*
 Discussant(s): Becky Mansfield, Ohio State University

4424. Critical Views of Militarism/ Militarization I (Sponsored by Geographic Perspectives on Women Specialty Group, Qualitative Research Specialty Group)

Room: Harding, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Jennifer Fluri, Dartmouth; Lorraine Dowler, Penn State University
 CHAIR(S): Lorraine Dowler, Penn State University
 12:40 Lorraine Dowler*, Penn State University; Nicole Laliberte, Penn State University, *Baring Arms: The (Fashion) Policing of Condoleezza Rice, Hilary Clinton, Sarah Palin and Michelle Obama.*
 1:00 Jennifer Fluri*, Dartmouth, *Bodies, Bombs and Barricades: Geographies of (In)Security.*
 1:20 Sara Koopman*, University of British Columbia, *Practices of peace: daily bodily resistance to militarism.*
 1:40 Geraldine Biddle-Perry*, University of the Arts London, London College of Fashion, *"How Will the Boys Dress When They Come Back Home From the Front?" Militarism, Anti-Militarism and The Development of Outdoor Recreational Clothing in Britain Between the Wars.*
 2:00 Jane Tynan*, Central Saint Martins College of Art and Design, *Khaki: collective disciplines and the design of the civilian soldier in British popular culture.*

4425. China and India: Divergent Paths of Industrial Deepening under Globalization I (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group, China Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Moriki Ohara, Institute for Developing Economies, JETRO
 CHAIR(S): Balaji Parthasarathy, International Institute of Information Technology
 12:40 Moriki Ohara*, Institute for Developing Economies, JETRO, *Ways China and India Industrialize: Comparing with East Asian Model.*
 1:00 Yoko Asuyama*, Institute of Developing Economies, Japan External Trade Organization (IDE-JETRO), *Skill Formation Systems of China and India.*
 1:20 Vijayabaskar Manimegalai, Ph.D*, Madras Institute of Development Studies, *Global Product Markets and the Institutional Milieu of Skill Formation: A Comparative Study of Apparel Clusters in India and China.*
 1:40 Jun He*, Institute of Industrial Economics, Chinese Academy of Social Sciences, *The Path of Latecomer's Technological Upgrading: the Case of China's Machine Tool.*
 Discussant(s): Mark Dallas, University of California, Berkeley; Balaji Parthasarathy, International Institute of Information Technology; Martin Lockström, China Europe International Business School; Koichiro Kimura

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- 4426. Geographical perspectives on post-conflict societies: challenges to reconstruction and reconciliation (Sponsored by Ethics, Justice, and Human Rights Specialty Group)**
Room: Jackson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Jemima García-Godos, University of Oslo
 CHAIR(S): Jemima García-Godos, University of Oslo
 Introducer: Jemima García-Godos
12:44 Jemima García-Godos*, University of Oslo, *Restitution of land as victim reparations.*
1:02 Matthew Pritchard*, McGill University, *Land, Power and Peace: Land tenure systems and the formalization agenda in post-genocide Rwanda.*
1:20 Alexandre Corriveau-Bourque*, McGill University, *'Confusions' and Palava: The Logic of Land Encroachment in Lofa County, Liberia.*
 Discussant(s): Carl Thor Dahlman, Miami University
- 4427. City of Negotiation: Social Innovations and Urban Living (i)**
Room: Jefferson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Gill Harold, University College Cork, Ireland
 CHAIR(S): Gill Harold, University College Cork, Ireland
12:40 James Seth Gustafson*, University of Georgia, *City-wide Coalitions, Neighborhood Activism, and Global Toilets: The Role of Scale in Social Movement Frames in the Global City.*
1:00 Geoffrey DeVerteuil*, University of Southampton, *Negotiating the Spatial Co-existence of Social Services Within the Gentrified City.*
1:20 Alessandro Angelini*, CUNY Graduate Center, *The Architecture of a Dream Unrealized: Playful Lessons in Survival in a Rio de Janeiro Favela.*
1:40 Frank Moulaert, Prof.*, KU Leuven, *Social Innovation and Neighbourhood Development: twenty years of years.*
- 4428. Constructing a Geography of Medical Risk Factors**
Room: Johnson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Shaun Langley, Michigan State University
12:40 Michael D. Shambaugh-Miller, Ph.D.*, University of Nebraska Medical Center, *Development of a Place Based Adjustable Geographic Area Multi-Variable Community Vulnerability GIS.*
1:00 Wei Tu*, Georgia Southern University, *Low Birth Weight Incidence in the State of Georgia, 2000.*
1:20 Tracey L Farrigan, Ph.D.*, Economic Research Service - USDA; Timothy Parker, Economic Research Service - USDA, *Economic Well-Being, Residential Location, and Children's Health: a Rural Policy Primer.*
1:40 Shaun A Langley*, Michigan State University; Ashton M Shortridge, Michigan State University; Sue C Grady, Michigan State University, *A Multivariate Analysis of Defined Heart Disease Clusters in Central Lower Michigan.*
2:00 Kate Mulligan*, McMaster University; Susan J Elliott, PhD, McMaster University, United Nations University; Corinne Schuster-Wallace, PhD, United Nations University, *Infectious Disease in the Planned City: the Embodied Epidemiology of Dengue Fever in Malaysia's Multimedia Super Corridor.*
- 4429. Economic Geography and Climate Change: Crossroads for Theory and Practice (Sponsored by Economic Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Robin M. Leichenko, Rutgers University
 CHAIR(S): Robin M. Leichenko, Rutgers University
 Discussant(s): Colin Polsky, Clark University
 Panelists: Erica Schoenberger, Johns Hopkins University; Darla Munroe, Ohio State University; Janelle Knox-Hayes, Georgia Institute of Technology; Hallie Eakin, Arizona State University; Robin M. Leichenko, Rutgers University
- 4430. Climate Change and Environmental Issues: Indigenous Perspectives I (Sponsored by Indigenous Peoples Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): RDK Herman, National Museum of the American Indian
 CHAIR(S): RDK Herman, National Museum of the American Indian
12:40 Ahmad Saleh Safi, M.Sc*, UNLV, Environmental Studies; William James Smith, Jr, Ph.D., UNLV, Environmental Studies, *Collaborative Environmental Research with Native American Nations: The Roles of History, Culture and Science.*
1:00 Logan Hennessy*, San Francisco State University, Liberal Studies Program, *Dripping REDD. Indigenous peoples and the UNFCCC.*
1:20 Steven C. Dinero, PhD*, Philadelphia University, *Climate Change in the Arctic: An Indigenous Perspective.*
1:40 Jesse Sayles*, School of Geographical Sciences and Urban Studies, Arizona State University, *Environmental changes, resource harvesting, tradeoffs, and values in Wemindji, James Bay.*
2:00 George Martin*, Montclair St University; Saskia Vermeylen, Lancaster University, *The Survival of Indigenous Peoples in an Age of Global Climate Change.*
- 4431. Meet the Editors of the Annals of the AAG**
Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Marie D. Price, George Washington University
 CHAIR(S): Marie D. Price, George Washington University
 Panelists: Mei-Po Kwan, Ohio State University; Peter O. Muller, University of Miami; Sharmistha Bagchi-Sen, SUNY-Buffalo; Mark Alan Fonstad, Texas State University, San Marcos; Karl S. Zimmerer, Penn State University; Audrey L. Kobayashi, Queen's University

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- 4432. Spatial statistics and models: remembering Gary Gaile (Sponsored by Spatial Analysis and Modeling Specialty Group)**
Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Daniel A. Griffith, University of Texas - Dallas; Cort J. Willmott, University of Delaware
 CHAIR(S): Daniel A. Griffith, University of Texas - Dallas
12:40 Yongwan Chun*, The University of Texas at Dallas; Daniel A. Griffith, The University of Texas at Dallas, *Spatial-temporal modeling for migration flows: an eigenvector spatial filtering approach*.
1:00 Cort J. Willmott*, University of Delaware; Kenji Matsuura, University of Delaware; Scott M. Robeson, Indiana University, *Porkbutt's dumb statistic: evolution and prospect*.
1:20 James E. Burt*, University of Wisconsin - Madison; Jeremy White, University of Wisconsin-Madison; Gregory J Allord, U.S. Geological Survey; A-Xing Zhu, University of Wisconsin-Madison, *Statistical Issues in Automated Georeferencing of Scanned Maps*.
1:40 A-Xing Zhu, Professor*, University of Wisconsin; Jing Liu, Beijing Normal University, China; Chengzhi Qin, Chinese Academy of Sciences, China; Shujie Zhang, Chinese Academy of Sciences, China; Yaning Chen, Chinese Academy of Sciences, China; Xingwang Ma, Xinjiang Academy of Agricultural Sciences; Hongqi Zhang, Chinese Academy of Sciences; Rei Liu, Beijing Normal University; James E. Burt, University of Wisconsin-Madison, *Mapping Soil Properties Using Individual Representativeness of Point Samples*.
2:00 Christine Zuhlsdorf*, University of California - Los Angeles; Michael Shin, UCLA; David Rigby, UCLA, *Development and Trade: Spatial analysis in honor of Gary Gaile*.
- 4433. Territory and Cartography: Politics, History, Techniques III (Sponsored by Political Geography Specialty Group, Historical Geography Specialty Group, Cartography Specialty Group)**
Room: *McKinley, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Jeremy Crampton, Georgia State University; Stuart Elden, University of Durham
 CHAIR(S): Stuart Elden, University of Durham
12:40 Martin Pratt*, International Boundaries Research Unit, Department of Geography, Durham University, UK, *Unreliable Witnesses? Maps as Evidence in Boundary and Sovereignty Disputes*.
1:00 Helga Tawil-Souri, Ph.D.*, New York University, *Virtually Mapping Palestinian Dis-/Re-Appearances*.
1:20 Mona Domosh*, Dartmouth College, *Corporate cartographies and the making of an American empire*.
1:40 Elena Dell'Agnese*, Università Di Milano-Bicocca, *"Manifest Cartography": US territorial expansion, textbooks and the logo-mapping of the Western hemisphere*.
- 4435. SHAZAM: Popular Geographies in Practice (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: *Taylor, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Harald Bauder, Ryerson University; Clayton Rosati, Bowling Green State University
 CHAIR(S): Harald Bauder, Ryerson University
 Panelists: Kafui Attah, Syracuse University; Ju Hui Judy Han, University of British Columbia; Harald Bauder, Ryerson University; Lize Mogel; Clayton Rosati, Bowling Green State University
- 4436. Author meets critics: Ed Soja's Seeking Spatial Justice (Sponsored by Urban Geography Specialty Group, Socialist and Critical Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Thurgood Marshall EAST, Marriott, Mezzanine Level* (Panel Session)
 ORGANIZER(S): Mazen Labban, University of Miami; Juan Miguel Kanai, University of Miami
 CHAIR(S): Mazen Labban, University of Miami
 Panelists: Richard Peet, Clark University; Helga Leitner, University of Minnesota - Minneapolis; Mark H. Purcell, University of Washington; Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin; Clyde Woods, University of California, Santa Barbara; Edward Soja, UCLA
- 4437. Critical Heritage I: Re-placing the Past**
Room: *Thurgood Marshall NORTH, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Claudio Minca, Royal Holloway - University of London; Jessica Jacobs, Royal Holloway University of London
 CHAIR(S): Claudio Minca, Royal Holloway - University of London
12:40 Paolo Giaccaria*, University of Torino, *Saints in trouble: the Jewish mulid of Abu Hassira in Egypt*.
1:00 Martijn Duineveld*, Dr., *Tulip mania, impatient engineers and the construction of heritage as an act of resistance..*
1:20 Jessica Jacobs*, Royal Holloway University of London; Claudio Minca*, Royal Holloway - University of London, *Re-branding the past. Tourism and Heritage in Amman and Damascus*.
1:40 Harnng Luh Sin*, Royal Holloway University of London, *The (White) Elephants of Thailand: Between National Heritage and Begging in the Streets*.
2:00 Cristiana Zara*, Royal Holloway, University of London, *Performing the Sacred: Varanasi, the City of 'Living Heritage'*.
- 4440. Mapping for Applications**
Room: *Truman, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Naa Ansa Ansah-Koi
12:40 Caetie Ofiesh*, George Washington University, *Mapping Safe Drinking Water and Sanitation in Urban Slum Communities in Malawi Using GIS and Google Earth*.
1:00 Chung Chang*, City University of New York, The Graduate Center, *Mapping the 2005 Rezoning Resolution in Waterfront Brooklyn with Geographic Information Systems: Gentrification Boom or Bust?*.
1:20 Joao Francisco de Abreu*, Catholic University of Minas Gerais-Brazil; Tiago Cisalpino Pinheiro, Catholic University of Minas Gerais/Brazil, *Mapping the Fiscal Decentralization and the creation of new municipalities in Brazil: possible Impacts on Urban Network*.
1:40 Anne Brown*, Macalester College, *Mapping the Mahajanga Basin: Using GIS to Explore Spatial Relationships in Madagascar's Geology and Paleontology*.
2:00 Naa Ansa Ansah-Koi*, Self-Help Initiative Support Services (SISS), *The utilization of GIS in urban slum mapping: A case study of the mapping of Sodom and Gomorraah, Accra..*

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4441. Geographies of Waste and Value 3: Politics of Representation

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Josh Lepawsky, Memorial University of Newfoundland

CHAIR(S): Josh Lepawsky, Memorial University of Newfoundland

12:40 Shiloh R. Krupar, PhD*, Georgetown University, *The Transnatural Fantastic*.

1:00 Risa C. Whitson*, Ohio University, *It could be anyone, but it isn't me: Media representations of informal waste recyclers in Buenos Aires*.

1:20 Freyja L Knapp, MLA*, UC Berkeley, *Global gold 'winning': a political ecology of electronic waste in South India*.

1:40 Bruno de Oliveira Jayme*, University of Victoria - Community-Based Research Laboratory; Jutta Gutberlet, University of Victoria - Community-Based Research Laboratory, *Understanding how printed media generates discrimination against recyclers*.

2:00 Rajyashree Narayanareddy*, University of Minnesota - Minneapolis, *City of Enclosure: Waste, Value and Dispossession in Bangalore, India*.

4442. The Ontology of Revolution 2: Cesare Casarino and Antonio Negri's "In Praise of the Common" (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group)

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

ORGANIZER(S): Nathan Lee Clough, University of Minnesota; Elizabeth Johnson, University of Minnesota - Minneapolis

CHAIR(S): Garnet Kindervater, University of Minnesota - Minneapolis

Panelists: Cesare Casarino, University of Minnesota; Bruce Braun, University of Minnesota - Minneapolis; Brian Marks, University of Arizona; Alvaro Reyes, UNC-Chapel Hill; Dominic Corva; Kolson Schlosser, Clarkson University

4443. Ethnic Geography Specialty Group Distinguished Scholar Lecture: Ron Johnston (Sponsored by Ethnic Geography Specialty Group)

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

ORGANIZER(S): David H. Kaplan, Kent State University

CHAIR(S): David H. Kaplan, Kent State University

Panelists: Ron Johnston, University of Bristol; Frederick Douzet, University of Paris 8; Fred Boal, Queen's University Belfast

4444. Case Studies in Historical GIS I

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

ORGANIZER(S): Program Committee

CHAIR(S): Stephen L. Egbert, University of Kansas

12:40 Stephen L. Egbert, Ph.D.*, University of Kansas; Karen G.R. Roekard, Independent Scholar, Berkeley, CA, *Rediscovering Rawa Ruska: Employing Geospatial Genealogy to Reveal Residential, Business, and Kinship Patterns in a Pre-Holocaust Ukrainian Village*.

1:00 Charles Bartlett Travis, Dr*, Trinity College Dublin, *A Digital Humanities Case Study: Historical, Literary and Cultural GIS - Reconsidering 'the god-trick of seeing everywhere from nowhere.'*

1:20 Killeen Hanson*, Spatial History Project, Stanford University, *Distorted Spaces and Network Diagrams: How Historians Can Help Geographers Rethink Mapping*.

1:40 Whitney Berry*, Stanford University, *Employing Visualization to Reveal the Slave Market in 19th Century Rio de Janeiro, Brazil*.

2:00 Kathy Harris*, Stanford University Spatial History Lab, *Advancing Interdisciplinary Collaboration in Higher Education: Managing a Research Center at the Intersection of History and Geography*.

4445. Coastal, Cryosphere, Energy, Global Change, Hazards

Room: Exhibit Hall B South, Marriott, Exhibition Level (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Richard A. Earl, Texas State University

Andrew H. Bobolas*, University of New Hampshire; Mary D. Stampone, University of New Hampshire, *Evaluation of WAVEWATCH III Significant Wave Height Forecasts for the Gulf of Maine*.

Annemieke Raymond*, NOAA, *Hydropalooza - An Integrated Ocean and Coastal Mapping Case Study in Kachemak Bay, Alaska..*

Savvi Neuffer*, Student; Brandon Combs, Student, *Sea Turtle Habitat in the Galapagos Islands*.

Edward Rice*, City University of New York, *Climate Change and Changing Aquatic Communities in an Urban Estuary*.

Huan Feng*, Montclair State University; Weiguo Zhang, East China Normal University; Li Jia, East China Normal University; Michael P Weinstein, Montclair State University; Qiufeng Zhang, Tianjin Marine Environmental Monitoring and Forecasting Center; Dekui Yuan, Tianjin University; Hongtao Ni, Tianjin University; Jianhua Tao, Tianjin University; Lizhong Yu, East China Normal University, *Sediment Dynamics Study in Western Bohai Bay and Adjacent Urban Estuaries*.

Tanya Silveira*, Rutgers University; Norbert P. Psuty, Rutgers University, *Alongshore geomorphological evolution of an artificial sand barrier, Plumb Beach, New York City*.

Jessie A Juarbe, student*, University of Puerto Rico, *Factors Affecting Morphology of Sand Dunes in Isabela, Puerto Rico*.

Brian Ferwerda*, Calvin College; Deanna van Dijk, Calvin College, *Determining Human Impacts and Management Presence in Lake Michigan Coastal Dunes*.

Brian D Andrews*, U.S. Geological Survey; Uri S. ten Brink, U.S. Geological Survey; Jason D. Chaytor, U.S. Geological Survey; William W. Danforth, U.S. Geological Survey; Jose-Luis Granja, Universidad Complutense de Madrid, *Marine Geology and Tsunami Hazard Assessment of the Northeast Caribbean Plate Boundary*.

Abiezer Pagan Flores, student*, University of Puerto Rico Piedras Campus, *A geomorphic comparison between Maracayo Beach at Hatillo and Tombolo Beach at Manatí, Puerto Rico (2009)*.

Mayra Alejandra Roman Rivera*, University of Puerto Rico Rio Piedras Campus; Jose Antonio Nevarez Rivera, University of Puerto Rico - Rio Piedras Campus, *A study of the sediment grain size and composition at Tombolo Beach, Manatí, Puerto Rico (2008-2009)*.

Alex Minter*, Radford University, *Spatial Distribution of Harmful Algal Blooms In The Chesapeake Bay*.

Susan W.S. Millar*, Syracuse University, *Winter Soil Temperatures in a Lake-Effect Snow Belt*.

Tara Roach*, University at Buffalo; Beata Csatho, University at Buffalo, *Using remote sensing techniques to document ice margin and proglacial changes of the western Greenland Ice Sheet over the 20th century*.

Zhaohui Chi*, Dept of Geography, Texas A&M University; Andrew G. Klein, Department of Geography, Texas A&M University, *Surface Velocity Mapping of Lambert Glacier-Amery Ice Shelf System Using Feature-Tracking*.

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- Niti B Mishra*, Department of Geography and the Environment, University of Texas at Austin; Sean M Buckley, Department of Aerospace Engineering, University of Texas at Austin, *SAR Interferometry for Mapping Land Subsidence in Phoenix*.
- Jessica M Human*, Atmospheric Sciences Program, Department of Geography, The Ohio State University, Columbus, Ohio; Jason E Box, Ph.D., Polar Meteorology Group, Byrd Polar Research Center, and Atmospheric Sciences Program, Department of Geography, The Ohio State University, Columbus, Ohio, *The Changing Albedo of the Greenland Ice Sheet*.
- Todd Longbottom*, University of Dayton; Umesh K Haritashya, University of Dayton, *An Analysis of Alpine Glacier Morphology in the Eastern, Central, and Western Himalaya using Remote Sensing Data*.
- Matthew Steven Anthony*, Appalachian State University; Chris Badurek, Dr., Appalachian State University; Clary Franko, Appalachian State University, *University-Industry Partnerships to Implement Small-scale Wind Power in Rural Communities: The Case of Western North Carolina*.
- Omayya Ahmad*, Arizona State University, *Balancing Energy and Water Consumption in an Urban Desert Environment: A Case Study on Phoenix, AZ*.
- Esther Sullivan Parish, M.S., Geography*, Oak Ridge National Laboratory; Virginia H. Dale, Ph.D., Oak Ridge National Laboratory; Patrick J. Mulholland, Ph.D., Oak Ridge National Laboratory; Mark E. Downing, Ph.D., Oak Ridge National Laboratory; Latha Malar Baskaran, M.S., Oak Ridge National Laboratory; Sam W. Jackson, Ph.D., Genera Energy, LLC, *Assessing the Environmental Impacts of Cellulosic Bioenergy Production: An Ongoing Case Study of Switchgrass Production around Vonore, Tennessee*.
- John T. Hayes, Ph.D.*, Salem State College, *Carbon Management of Agricultural Soils: Issues of Verification of Soil Carbon Sequestration and Accrued Benefits From the Use of BMP's*.
- Mallory Nomack*, Boston University, *Economic Impacts of Temperature-Induced Coral Bleaching of the Great Barrier Reef*.
- Wanyun Shao*, Louisiana State University, *Is the Policy Window Open for Adaptation to Sea Level Rise in Louisiana?*.
- Benjamin Sleeter*, United States Geological Survey, *A methodology to downscale national land-cover demand using IPCC IMAGE model data and regional land-cover histories*.
- Risa Patarasuk*, University of Florida, *Land-Cover Dynamics in Lop Buri Province, Thailand*.
- Xiaomin Qiu*, Missouri State University; Shuo-sheng Wu, Missouri State University, *Effects of Threshold Drainage Area and Study Region Size on HAZUS Flood Analysis*.
- Heath Martin*, University of North Alabama; Lisa Keys-Mathews, University of North Alabama; Michael Pretes, University of North Alabama, *Mapping Spatial Crime Patterns During a Disaster Recovery Period: An Example from Rocky Mount, North Carolina*.
- Brian Matthew Walton*, Radford University, *"Tornado Alley": Tornado Casualty Distribution (88-08)*.
- Khila Dahal*, Dept. of Geography, Texas State University, *Floodplain Analysis of the Animas River in Durango, Colorado*.
- Haunani D. Verzon, BA*, University of Arkansas, *Shaken Earth: Perception of earthquakes in Pakistan after the 2005 Kashmir Earthquake*.
- Jenny Novak*, University of Southern California, *Station Fire Response & Recovery Through the Eyes of Evacuated Neighborhoods*.

- Richard A. Earl*, Texas State University; Jon Nealer, Texas State University; Stephen Floyd, Hays County Environmental Health Department, *Relationship of Precipitation to Peak Discharge at Low-water Crossings in the eastern Texas Hill Country*.
- James Baldwin, Boston University, *Relationship of Precipitation to Peak Discharge at Low-water Crossings in the eastern Texas Hill Country*.

- 4446. Contemporary Issues in Military Geography (Sponsored by Military Geography Specialty Group)**
 Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Wiley C. Thompson, United States Military Academy
 CHAIR(S): Wiley C. Thompson, United States Military Academy
12:40 Eugene J. Palka, Ph.D.*, US Military Academy, West Point, *Kurd-Arab Tensions along the Green Line: Iraq's Roadblock to Long Term Stability*.
1:00 Francis A. Galgano, Ph.D.*, Villanova University, *Security on the High Seas: A Geographic Perspective of Maritime Piracy*.
1:20 David Havlick*, University of Colorado-Colorado Springs, *Sustainability in the Military*.
1:40 Mark R. Read*, Pennsylvania State University, *Restive Diyala: Geographic Perspectives on the Sunni Arab Insurgency in Diyala Province, Iraq*.
2:00 Wiley C. Thompson*, United States Military Academy, *Perfect Strangers: An Examination of Contemporary Civil-Military Issues in Humanitarian Assistance and an Effort to Promote Better Understanding*.
- 4447. "What do we mean by 'critical'?" "Critical" Geographies of Latin America and the Caribbean, Part 3 (Sponsored by Latin America Specialty Group)**
 Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Sharlene Mollett, Dartmouth College
 CHAIR(S): Sharlene Mollett, Dartmouth College
 Introducer: Sharlene Mollett
12:45 Sean Tanner*, Rutgers University, *Critical Perspectives on land access in Guatemala*.
1:03 Kate Swanson*, San Diego State University, *Indigenous Women and Children and the Struggle for Urban Spaces in Latin America*.
1:21 Jennifer J Casolo*, University of California at Berkeley, *Critical Gringa Geography and the Production of Hope in Central America*.
 Discussant(s): Kiran Asher
- 4448. Biodiversity, livelihoods, and conservation: Emerging Trends, Challenges, and Responses III (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
 Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Patrick T. Hurley, Ursinus College
 CHAIR(S): Patrick T. Hurley, Ursinus College
12:40 Nirmal Bhagabati*, World Wildlife Fund, *Mainstreaming ecosystem services into natural resource decisions - the Natural Capital Project as a case study*.
12:55 Nurcan Atalan-Helicke*, Ohio State University, *The Old/New Landrace: Revival of a wheat landrace on the Baku-Tbilisi-Ceyhan Crude Oil Pipeline route*.
1:10 Cyrus Samimi*, University of Vienna; Hermann Kreutzmann, FU Berlin; Tobias Kraudzun, FU Berlin; Kim Vanselow, University of Erlangen-Nürnberg, *Dwarf shrubs as energy supply and fodder: Competing ecosystem services in the Eastern Pamirs*.
1:25 Julianne H Mills, PhD*, Davidson College, *Deforestation for whom? Addressing the Disparity Between Production and Consumption of Global Resources*.
 Discussant(s): Patrick T. Hurley, Ursinus College

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4449. Road networks and environmental change (Sponsored by Human Dimensions of Global Change Specialty Group, Transportation Geography Specialty Group)

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Alisa Coffin, United States Geological Survey; Raymond Watts, United States Geological Survey

CHAIR(S): Alisa Coffin, United States Geological Survey

12:40 Raymond D Watts*, United States Geological Survey, *Roads in space-time.*

12:45 Glenn G. Hyman*, CIAT; Elizabeth Barona, CIAT, *Roads and deforestation in the Central Peruvian Amazon.*

12:50 Jess Behrens*, University of Nebraska Medical Center, *Analysis of the distribution and abundance of Aedes aegypti in Africa, a GIS based comparison of pre-1973 data and major roads.*

12:55 Alisa Coffin*, United States Geological Survey, *Road network and landscape dynamics in the Santa Fe River watershed, Florida, 1975-2005.*

1:00 Thaddeus Bryan Wester*, East Carolina University; Dennis M Staley, USGS; Thad A Wasklewicz, East Carolina University; Jason W Kean, USGS, *Impacts of Forest Roads on Sediment Transport in a Recently Burned Watershed.*

1:05 Sedef Akgungor, Professor*, Dokuz Eylul University, Izmir, Turkey; Yesim Kustepeli, Associate Professor, Dokuz Eylul University, Izmir, Turkey; Yaprak Gulcan, Associate Professor, Dokuz Eylul University, Izmir, Turkey, *Transportation Network and Spatial Structure of Economic Activity: A Historical GIS Approach.*

4450. Gender, Sexuality, and Space: In Memory of Glen Elder (Sponsored by Geographic Perspectives on Women Specialty Group, Graduate Student Affinity Group, Sexuality and Space Specialty Group)

Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Destiny Aman; Kate Coddington Senner, Syracuse University

CHAIR(S): Maria Fannin, University of Bristol

12:40 Bettina Buechler*, University of Bern, *Everyday Spaces and Places of Queer Migrant Women in Switzerland - On Doing Research in an Intersectional "Field".*

1:00 Nathaniel Lewis*, Queen's University, *Moving "Out," Moving On: The Role of Mental and Emotional Health Concerns in the Migration Decisions of Gay Men Living in Ottawa, ON, and Washington, DC..*

1:20 Destiny D Aman, MS*, Penn State University, *From Closet to Clubhouse: Heterotopian Queer Spaces of Engagement.*

1:40 Aretina Hamilton, Doctoral Student*, University of Kentucky, *Hidden Behind the 'Shade': Uncovering the Spaces of African American Lesbians in the Urban South.*

Discussant(s): Natalie Oswin, McGill University

4451. Intersections of creativity: The Geographies of Creative Industries and Cultural Practices 1: Geographies of Creative Production and Consumption

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

ORGANIZER(S): Harriet Hawkins; Nicola Thomas

CHAIR(S): Harriet Hawkins

12:40 David Harvey*, University of Exeter (UK); Nicola Thomas, University of Exeter; Harriet Hawkins, University of Exeter, *Intersections of creativity: The geographies of creative industries and cultural practices.*

1:00 Andrew Leyshon*, University of Nottingham, *Shot by both sides: the role of creativity and economy in the decline of the recording studio sector.*

1:20 Birgit Stöber*, Copenhagen Business School, *Music from Berlin - worldwide.*

1:40 Galina Gornostaeva, Dr*, London School of Economics and Political Science; Noel Campbell, Dr, The University of Greenwich, *Spatial Life of Video Commodities: Example of London, UK.*

2:00 Nicola Thomas*, University of Exeter; David Harvey, University of Exeter; Harriet Hawkins, University of Exeter, *South West Soho: Geographies of Digital Media in South West Britain..*

4452. The Quickening Pendulum: Capitalism and the Longue Durée (In Honor of Giovanni Arrighi) I (Sponsored by Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)

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

ORGANIZER(S): Francesca Manning, CUNY Graduate Center, The Albatross; Jesse Goldstein, City University of New York

CHAIR(S): Stephen McFarland, CUNY Graduate Center

12:40 Anders Lund Lund Hansen, PhD*, Lund University, *Giovanni Arrighi in Shanghai: financial fluidity and its uneven developments.*

12:55 Laurel Mei Turbin, MPH*, CUNY Graduate Center, *Militarization in Hawai'i: Nature, History and Imperialism.*

1:10 Thomas Reifer*, Sociology, University of San Diego; Thomas Reifer, PhD, University of San Diego; Transnational Institute, *Capital's Cartographer: Arrighi's Geohistorical Capitalism & the Current Crisis, "*

1:25 Jason W. Moore, PhD*, Department of Human Geography, Lund University, *Ecology and the World-Historical Method: Capitalism as World-Ecology.*

Discussant(s): Kendra Strauss, University of Glasgow

4453. How do basic concepts shift in neoliberal projects? Evidence from the postsocialist world and beyond 2 (Sponsored by European Specialty Group, Russian, Central Eurasian, and East European Specialty Group)

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

ORGANIZER(S): Christian Sellar, University of Mississippi; Craig Young, Manchester Metropolitan University

CHAIR(S): Sonia Hirt, Virginia Tech

12:40 Alena Rochovska*, Comenius University, *Neoliberal transformation in post-socialist East-Central Europe: household survival strategies in peripheral region of Slovakia.*

1:00 Robert Burns Begg*, Indiana University of Pennsylvania, *Nostalgia and Regret.*

1:20 Sonia Hirt, Assistant Professor*, Virginia Tech, *Post-modern Urbanism Revisited: Changes in the Built Fabric of Belgrade and Sofia since the End of Socialism.*

1:40 Ulrich Ermann*, Institute for Regional Geography, *The performance of economic "values": Promoting and consuming fashion in postsocialist Bulgaria.*

Discussant(s): Craig Young, Manchester Metropolitan University

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- 4454. Marketization and its discontents**
Room: *Washington Room 4, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Marc Boeckler; Peter Lindner, University of Frankfurt
 CHAIR(S): Christian Berndt, University of Zurich
12:40 Angela Abbott*, Newcastle University, *Personalisation in adult social care: marketization of the informal sector.*
1:00 Yuko Aoyama*, Clark University; Rory Horner*, Clark University, *Responding to Global Pandemics: Regulations and Marketization in the Pharmaceutical Industry.*
1:20 Christian Berndt*, University of Zurich, *The mobilization and displacement of labor in the network economy.*
1:40 Christopher Muellerleile*, University of Wisconsin-Madison, *Financial derivatives, Chicago, and the Commodity Futures Trading Commission, 1974-1984: the regulation of deregulation.*
2:00 Marc Boeckler*, University of Mainz; Peter Lindner, University of Frankfurt; Stefan Ouma, University of Frankfurt, *Mangoes, Models and Marketization: Borderlands of Global Capitalism in Ghana.*
- 4455. Perspectives on Geographic Complexity (3): Disease and Health Modeling (Sponsored by Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)**
Room: *Washington Room 5, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Debarchana Ghosh, Kent State University
 CHAIR(S): Seth Spielman, Brown University
12:40 Debarchana Ghosh*, Kent State University; Rajarshi Guha, Ph.D, National Institute of Health, *Identifying optimal risk factors for prediction and interpretation of West Nile virus occurrences using Neural Network.*
1:00 Gabriela Alcaraz V.*, University of Hohenheim, *Use of GIS for the analysis of food and nutrition security. An application to Guatemala..*
1:20 Joshua King, Department of Geography and Environmental Management, University of Waterloo; Peter J. Deadman*, University of Waterloo, *An Agent Based Approach to Epidemiological Modelling of Malaria.*
1:40 Lara J. Iverson*, SUNY University at Buffalo, *Incorporating Gender and Stigma in Modeling Tuberculosis Transmission: A Complex Systems Approach.*
2:00 Mónica Terán-Hernández, PhD student*, Universidad Nacional Autónoma De México, Unam.; Miguel Aguilar Robledo, Dr., Universidad Autónoma De San Luis Potosí; Jaqueline Calderón Hernández, Dra., Universidad Autónoma De San Luis Potosí; Carlos Felix Garrocho Rangel, Dr., Colegio Mexiquense, AC, *The Spatial Dynamics of oncogenic Human Papillomavirus Infection in women from San Luis Potosí, Mexico: Some Preliminary Results.*
- 4456. Theorising the Hydrosocial Cycle**
Room: *Blue Room, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Jamie Linton, Queen's University; Jessica Budds, The Open University
 CHAIR(S): Jessica Budds, The Open University
 Panelists: Karen Bakker, University of British Columbia; Gabrielle Bouleau, Cemagref; Jessica Budds, The Open University; Olivier Graefe, University of Fribourg; Antonio Ioris, University of Aberdeen; Jamie Linton, Queens University; Katharine Meehan, University of Arizona; Kathleen O'Reilly, Texas A&M University; Rachael McDonnell, University of Oxford
- 4460. African Urban Geographies**
Room: *Chairman, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Makame Muhajir, The University of Kansas
12:40 Mohamed Adam Dosi, Dr. *, East Stroudsburg University of Pennsylvania, *Economic liberalization, land reform and urban development in Zanzibar, Tanzania.*
1:00 Jeremia Njeru*, West Virginia University, *Fecal Matters: Privatization of Public toilets in Nairobi, Kenya.*
1:20 Makame A Muhajir, ABD*, The University of Kansas, *Land and Housing Reforms in Zanzibar: Policies, Programs, and Reality.*
- 4463. International Interdisciplinary Collaborative Research on The Indian Ocean Tsunami**
Room: *Council, Omni Shoreham* (Panel Session)
 ORGANIZER(S): Pradyumna P. Karan, University of Kentucky
 CHAIR(S): Pradyumna P. Karan, University of Kentucky
 Introducer: Pradyumna P. Karan
 Discussant(s): Unryu Suganuma, Obirin Univesity
 Panelists: Seiko Sugimoto, Kyoto Bunkyo University; Yoshio Sugimoto, National Museum of Ethnology; Sagayaraj Antonyamy, Nanzan University; Christopher Jaspardo, US Naval War College; Saradhambal Ramacandran Singarasubramanian, Annamalai University; Rani Senthamarai, Presidency College; Shanmugam Pillai Subbiah, Madras University and Indian Geographical Society; Palaniandi Serlathan, Cochin University of Science and Technology; Ramesh Ramachandran, Institute of Ocean Management; Arangaswamy Ganesh, School of Geosciences; Prem H. Anand, Spatial Information Technology and Disaster Management; Chandra Lakshumanan, Centre for Remote Sensing, Bharathidasan University
- 4465. Thinking beyond climate: Biogeomorphology and biotic drivers of landscape evolution (Sponsored by Biogeography Specialty Group, Geomorphology Specialty Group)**
Room: *Director's, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Paul Eric Reyerson, University of Wisconsin-Madison
 CHAIR(S): Paul Eric Reyerson, University of Wisconsin-Madison
12:40 Jacob Bendix*, Syracuse University; John C. Stella, SUNY College of Environmental Science and Forestry, *A Geographic Analysis of Riparian Biogeomorphology.*
1:00 Paul Eric Reyerson*, University of Wisconsin-Madison, *Plant Impact on Soil Silica: A Case Study from the Prairie-Forest Ecotone of Southeastern Minnesota.*
1:20 Joseph A. Mason*, University of Wisconsin - Madison; Peter M. Jacobs, University of Wisconsin-Whitewater; Paul R. Hanson, University of Nebraska-Lincoln; Kristine E. Stanley, University of Wisconsin-Madison; Aaron R. Young, University of Nebraska-Lincoln, *Biotic Drivers of Soil Landscape Evolution: A Case Study of Catenas in the Midwestern U.S..*
1:40 Paul Laris, PhD*, CSU Long Beach, *Integrating biophysical and anthropogenic factors influencing tree regeneration on farmed savanna land in Mali.*

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4466. Right to the City: changing urban social dynamics in globalizing China-1 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, China Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University; Shenjing He, Sun Yat-Sen University

CHAIR(S): Li Zhigang

12:40 Li Zhigang*, Sun Yat-sen University; Ma Laurence J. C., University of Akron, *The Making of a New Transnational Space: African Enclave in Guangzhou, China.*

1:00 Miao Xu*, Chongqing University; Zhen Yang, Chongqing University, *Forces behind Gated community in China: from the perspective of spatial political economy.*

1:20 Shenjing He*, Sun Yat-Sen University, *Two waves of gentrification and the role of the state in Guangzhou, China.*

1:40 Guo Chen*, Michigan State University, *Geographies of Poverty and Marginality in Urban China: Toward A Theoretical Conception.*

Discussant(s): Amy Glasmeier, Pennsylvania State University

4467. Transnationalism and Transition in Social and Cultural Geographies of Asia

Room: Empire, Omni Shoreham (Paper Session)

ORGANIZER(S): Kyonghwan Park, Chonnam National University; Youngmin Lee, Ewha Womans University

CHAIR(S): Youngmin Lee, Ewha Womans University

12:40 Yil-Soon Paek*, Seoul National University, *Transnational Mobility and Korean migrants in Singapore.*

1:00 Min-Jung Kwak*, York University, *Rethinking the Neo-liberal Nexus of Migration, Education and Institutions.*

1:20 Kyonghwan Park*, Chonnam National University, *Transnational Migrants in South Korea: Global Actors and New Social Participants.*

1:40 Youngmin Lee*, Ewha Womans University, Seoul, S. Korea, *Korean International Migration for Education and Trans/national Reconstruction of Migrant Actors' Identity.*

2:00 Heeyoun You*, Heeyoun You, Ohio State University, *A Study on Transnational Networks of Korean Educational Migration as Symbolic Capital.*

4468. Geographical Approaches to Educational Research: New Innovations in U.S. School Demographic Data and Analysis (Sponsored by Geographic Information Science and Systems Specialty Group, Population Specialty Group, Applied Geography Specialty Group)

Room: Forum, Omni Shoreham (Panel Session)

ORGANIZER(S): Tricia Ruiz, University of Washington; Doug Gevert

CHAIR(S): Tricia Ruiz, University of Washington

Panelists: Tricia Ruiz, University of Washington; Doug Gevert; Stuart Edward Hamilton, The College of William and Mary; Deane Lycin; Salvatore Saporito, The College of William and Mary

4471. The Spatial Organization of the 'Regional City' I

Room: Palladian, Omni Shoreham (Paper Session)

ORGANIZER(S): Martijn J. Burger, Erasmus University Rotterdam; Evert Meijers, Delft University of Technology

CHAIR(S): Frank Van Oort, Utrecht University

12:40 Andrea Sarzynski, PhD, George Washington University; George C. Galster, PhD*, Wayne State University; Lisa Stack, MA, Wayne State University, *Evolving Typologies of U.S. Metropolitan Land Use Patterns, 1990-2000.*

1:00 Christopher Henrie*, U.S. Bureau Of the Census, *Disassembling the Mega-City: Splitting Large Urban Agglomerations for the 2010 Census.*

1:20 Anthony G Champion*, University of Newcastle Upon Tyne; Mike Coombes, University of Newcastle upon Tyne, *Commuting Flows In Northern England, 1981-2001: Is This Transforming Industrial Region Becoming More Polycentric Or More Centripetal?.*

1:40 Ondrej Mulicek*, Masaryk University Brno; Ludek Sykora, Charles University in Prague, *Post-socialist Metropolis: From Compact Mono-centric Cities to Sprawling Poly-centric City Regions.*

2:00 Martijn J. Burger*, Erasmus University Rotterdam, *The Dynamics of Urban Systems: Evidence from Randstad Holland.*

4472. Spatial Analysis and Modeling Applications for Urban Studies

Room: Senate, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Zhaoya Gong

12:40 Giorgos Mountrakis*, SUNY - ESF; Dimitris Triantakostas, SUNY - ESF, *Handling spatial heterogeneity in urban growth models using neural networks.*

1:00 Jeffrey A. Onsted*, Florida International University; Rinku Roy Chowdhury, Indiana University, *Does zoning matter for urban growth modeling calibration and simulation?.*

1:20 Elizabeth C Delmelle*, University of North Carolina at Charlotte; Jean-Claude Thill, University of North Carolina at Charlotte; Chunhua Wang, University of North Carolina at Charlotte; Owen Furuseth, University of North Carolina at Charlotte; Thomas Ludden, University of North Carolina at Charlotte, *Spatial-Temporal Analysis of Quality of Life Dynamics in Urban Neighborhoods.*

1:40 Zhaoya Gong*, UNC Charlotte; Weiguo Liu, Decision Science Group, Royal Bank of Scotland North America, *Urban Growth Modeling with ART-P-MAP Neural Network: Temporal and Spatial approaches.*

2:00 Steve McClure*, George Mason University; Jon Liss, Director, Virginia New Majority; Nigel Waters, Dr, George Mason University, *Right to the City: Critical GIScience and new working class organizations.*

4473. Spaces of Cooperation in Times of Economic Insecurity

Room: Marriott Ballroom Salon 2, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Stephen Healy, Worcester State College

CHAIR(S): Julie Graham, University of Massachusetts

12:40 Stephen Healy*, Worcester State College, *"Co-operatives, Place Production and Political Transformation".*

1:00 Janelle Cornwell, PhD candidate*, University of Massachusetts - Amherst, *"Subjects of scale: reading the co-operative movement with and without scale".*

1:20 Ted White*, University of Massachusetts Amherst, *Propagating Diverse Economy: The Impact of Community Supported Agriculture on Economic Possibility, Perspectives, and Practices.*

1:40 Leo L. Hwang-Carlos*, University of Massachusetts, Amherst / Greenfield Community College; Abby Templer*, University of Massachusetts Amherst, *God and the Environment, Art and Song: Performing Alternate Valuations.*

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4474. Transportation Modeling and Analysis

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jingwei Ning, University of Cincinnati

12:40 Olof Moen*, Department of Human and Economic Geography, School of Economics, University of Gothenburg, *Transportation Morphology - The Spatial Constraint Efficiency Equation and Spatial Modeling.*

1:00 Shannon K Lear*, MS GIS University of Redlands, *Automated Vehicle Location Data Enhanced for Law Enforcement Asset Management.*

1:20 Greg Rybarczyk, Ph.D. Candidate*, University of Wisconsin-Milwaukee; Changshan Wu, Associate Professor, University of Wisconsin-Milwaukee, *Examining predictive factors of bicycle mode choice.*

1:40 Lisa Aultman-Hall*, University of Vermont; James Sullivan, University of Vermont; David Novak, University of Vermont; Darren Scott, McMaster University, *Assessing Critical Transportation Network Links and Robustness.*

2:00 Jingwei Ning*, University of Cincinnati; Changjoo Kim, University of Cincinnati, *Examination on spatial disparities in traffic accidents: A case study of Hamilton County, OH.*

4476. South American Migration

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hugo Marcelo Zunino, Universidad De La Frontera

12:40 Daniel de Mello Sanfelici, PhD student*, University of Sao Paulo, *Real estate development and urban restructuring in Porto Alegre (Brazil).*

1:00 Marta Inez M. Marques*, University of São Paulo, *New forms of labor and their new geographies in Sao Paulo Metropolitan Area.*

1:20 Marcia M. Cabreira Monteiro De Souza*, Pontificia Universidade Católica De São Paulo/PUC-SP, *The Bolivian migration to São Paulo city..*

1:40 Hugo Marcelo Zunino, Ph.D.*., Universidad de La Frontera, *In Search for a Green Utopia: Amenity Migrants in the City of Pucón, Chile..*

4477. Remote Sensing of the Environment

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jennifer Jensen, Texas State University, San Marcos

12:40 Tingting Zhang*, Lin Li; Michael L. Whiting; Baojuan Zheng, *Hyperspectral Remote Sensing of Agricultural Soil Properties.*

1:00 Brian Tolk*, Stinger Ghaffarian Technologies (SGT, Inc.) - Contractor to the U.S. Geological Survey (USGS); Jim Vogelmann, USGS EROS; Gyanesh Chander, Stinger Ghaffarian Technologies (SGT, Inc.) Contractor to the U.S. Geological Survey (USGS), *Advanced Wide Field Sensor (AWiFS) Imagery: A Viable Data Substitute for LANDFIRE Update Mapping?.*

1:20 Ainong LI*, Department of Geography, University of

Maryland, College Park MD 20742; Chengquan Huang, Department of Geography, University of Maryland, College Park MD 20742; Wei Deng, Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, Chengdu Sichuan 610041, China; Pui-Yu Ling, Department of Geography, University of Maryland, College Park MD 20742; Karen Schleeweis, Department of Geography, University of Maryland, College Park MD 20742; Zhiliang Zhu, USDA Forest Service, 1601 N. Kent Street, Arlington, VA 22209; Samuel Goward, Department of Geography, University of Maryland, College Park MD 20742, *Allocation of forest carbon removed through disturbance analyzed using time series Landsat images and FIA-TPO data.*

1:40 Deng Ding*, Department of Geography, University of Iowa, Iowa City, Iowa, USA; Marc A. Linderman, Department of Geography, University of Iowa, Iowa City, Iowa, USA, *Comparing the effects of land cover change on ecosystem modeling at different spatial resolutions.*

2:00 Jennifer L Jensen, PhD*, Texas State University, San Marcos, *Multi-platform remote sensing estimates of biomass and fuel connectivity in a perennial grassland ecosystem.*

4478. Web GIS and Web-based Data Processes

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yuanzheng Shao, George Mason University

12:40 Bruce A. Ralston, Ph D*, University of Tennessee; Yitu Xu, University of Tennessee, *Rich Internet Mapping for the Census.*

1:00 Dossay Oryspayev*, University of Northern Iowa; Ramanathan Sugumaran, University of Northern Iowa; Paul Gray, University of Northern Iowa, *Web-based LIDAR data processing with parallel computing.*

1:20 Jeffrey A Cardille*, Université De Montreal; Rodolphe Gonzales, Université de Montreal; Lael Parrott, Université de Montreal; Jonathan Bai, Université de Montreal; Casey Brown, Université de Montreal, *Geosearch: A New Virtual Globe Application for Parsing, Storing, Sharing, and Understanding Geographic Data in Research Networks.*

1:40 Yuanzheng Shao*, George Mason University; Liping DI, George Mason University; Yuqi Bai, George Mason University; Genong YU, George Mason University, *The scenario of serving NOAA's CLASS data based on OGC services.*

4479. Neighborhoods, Housing Markets, and the Roles of Governments

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yi-ling Chen, National Dong Hwa University, Taiwan

12:40 Alan G. Phipps*, University of Windsor, *Destabilizing Events for Intentions to Move House.*

1:00 Ed Miller*, University of Illinois, at Chicago, *Creating Gentrification?.*

1:20 Natasha O. Tursi*, Rutgers University, *A Frame-Critical Analysis of HUD's MTO Demonstration.*

1:40 Yi-ling Chen*, Natural Resources and Environment, National Dong Hwa University, Taiwan, *Neoliberalism and Housing Market: The Changing Role of the State in Taiwan.*

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4502. Physical and Social Dimensions of Hazardous Weather II: Before, During and After Weather-Related Emergencies (Sponsored by Climate Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Kenneth Blumenfeld, University of Minnesota
CHAIR(S): Kenneth Blumenfeld, University of Minnesota

2:40 Monica Zappa*, University of Oklahoma, *An Interactive, Geospatial Tool for Improving the Hazardous Weather Warning Process.*

3:00 Olufemi A. Omitaomu, Ph.D.*, Oak Ridge National Laboratory; Steven J. Fernandez, Ph.D., Oak Ridge National Laboratory; Budhendra L. Bhaduri, Ph.D., Oak Ridge National Laboratory, *Estimating the Spatial Distribution of Population without Power during Extreme Weather Events.*

3:20 Kevin Barrett*, Texas State University-San Marcos, *County Scale Place Perception and Amplification of Short-Fuse Severe Weather Risk; A Modeling Approach.*

3:40 Cedar E League, MA*, University of Colorado, Colorado Springs; Walter Diaz, PhD, University of Puerto Rico-Mayagüez, *Sirens, Spotters and Smoke Signals: Public Warnings and Emergency Manager Decision Making during Tornado Events.*

4:00 Siri Veland*, Macquarie University, Sydney; Dale Dominey-Howes, Ass/Prof, UNSW Natural Hazards Research Laboratory; Richard Howitt, Professor, Macquarie University, *The role of invisible institutions in evacuating the remote community of Warruwi from severe tropical cyclone Monica.*

4503. Social Geography of Risk: Which Approaches? IV (Sponsored by Hazards Specialty Group, Environmental Perception and Behavioral Geography Specialty Group)

Room: Delaware Suite B, Marriott, Lobby Level (Panel Session)
ORGANIZER(S): Pierpaolo Mudu, Università Di Roma; Elise Beck, Joseph Fourier University

CHAIR(S): Pierpaolo Mudu, Università Di Roma
Introducer: Elise Beck

Discussant(s): Ben Wisner, Independent Scholar

Panelists: Emmanuel Bonnet; Dan Harrington, McMaster University; Céline Lutoff, University of Grenoble; Peter D Howe, The Pennsylvania State University; Salvatore Engel-DiMauro, SUNY New Paltz; Pietro Saitta, University of Messina

4504. Topics in Land Use Research II

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Shanon Donnelly, University of Akron

2:40 Bo-Sin Tang*, The Hong Kong Polytechnic University; Siu-Wai Wong, University of British Columbia, *Urban Open Space in a Compact City.*

3:00 Timothy J Assal*, US Geological Survey; Jessica M Montag, US Geological Survey, *Modeling Human Population Growth using Dasyetric Mapping: Scenario Building for Wildlife Management.*

3:20 Liyan Xu*, Peking University; Dihua Li, Peking University; Kongjian Yu, Peking University, *Evaluation of Ecological System Service Value in Medium Scale Considering Locational Factors.*

3:40 Shanon Donnelly*, University of Akron; Kevin Butler, Dr., University of Akron; Benjamin Shultz, University of Tennessee, *Geographic clustering of intentional communities in the United States.*

4505. Urban Bodies/Embodied Urbanism 2: Geographies, Rhythms and Everyday Life (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Leslie Kern, Mount Allison; Craig Meadows, York University

CHAIR(S): Craig Meadows, York University

2:40 Anna Cieslik*, Clark University, *I've got you under my skin: the city and the body among immigrant urbanites.*

3:00 Jodi Polzin*, Washington University, Graduate School of Architecture and Urban Design, *Touching the Other: Intersubjectivity of the Body in Space.*

3:20 Craig Meadows*, York University, *Insomnia and Modernist Architecture, or, Adorno Meets Tati in a Revolving Door.*

3:40 Bradley L. Garrett, M.A.*, Royal Holloway, University of London, *Transgressive mobilities / place hacking: embodied experiences of urban exploration.*

4506. Olympic Cities, 1896-2016: II. Olympic Security and London 2012

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

ORGANIZER(S): John R. Gold, Oxford Brookes University; Margaret M. Gold, London Metropolitan University

CHAIR(S): Margaret M. Gold, London Metropolitan University

2:40 Jon Coaffee*, University of Birmingham, UK, *Planning For A Secure Olympics: Balancing Counter-Terrorisms And Spectacle.*

3:00 Zoe Kontaxi*, University of Kent, *The threat of terrorism within late modern Olympics.*

3:20 Graeme L Evans*, London Met University, *London2012: Regeneration Games.*

3:40 Michele Raco*, King's College London; Emma Tunney, King's College London, *Visibilities and Invisibilities in Urban Development: Small Business Communities and the London Olympics 2012.*

Discussant(s): John R. Gold, Oxford Brookes University

4507. Environmentalism and Disavowal (Sponsored by Socialist and Critical Geography Specialty Group)

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

ORGANIZER(S): Andrew Baldwin, Durham University; James Evans, University of Manchester

CHAIR(S): James Evans, University of Manchester

2:40 Mary E. Curran, Associate Professor*, Eastern Connecticut State University, *Disavowal, delusions of control, and degradation.*

3:00 George Holmes*, University of Leeds, *The social impacts and moral obligations of conservation.*

3:20 Fenda A. Akiwumi, PhD*, University of South Florida, *Water; Cultural Diversity and Environmental Disavowal: Explorations from Sierra Leone.*

3:40 Andrew B Shears*, Kent State University, *Infrastructure as Discourse: The "Safety" of New Orleans and Resulting Environmental Injustice.*

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4508. Land Use Change and Watershed Assessment III (Sponsored by Water Resources Specialty Group, Biogeography Specialty Group, Remote Sensing Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Xiaojun Yang, Florida State University; Liding Chen, Research Center For Eco-Environmental Sciences, CAS

CHAIR(S): Yang Shao, UNC-Chapel Hill

2:40 Tao Zhang*, Florida State University; Michigan State University; Xiaojun Yang, Florida State University, *Identifying the role of riparian areas on nutrient loading at the watershed scale: from spatially-explicit modeling to regression modeling.*

3:00 Yang Shao*, U.S. EPA; Ross S Lunetta, U.S. EPA, *Assessing soil erosion and nutrient dynamics for the St. Joseph watershed using the SWAT model.*

3:20 Benjamin Witherell*, Montclair State University; Huan Feng, Montclair State University; Danlin Yu, Montclair State University, *Spatial analysis and systems modeling for watershed management: a New Jersey case study.*

4509. The Hydrosocial Cycle: Between Hydrology and Critical Social Science 1

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Jamie Linton, Queen's University; Rachael McDonnell, University of Oxford

CHAIR(S): Jessica Budds, The Open University

2:40 Rachael McDonnell*, University of Oxford, *Examining the Influence of Energy on the Hydrosocial Cycle: The Case of Abu Dhabi.*

3:00 Peter P. Mollinga, PD Dr*, ZEF, Bonn, Germany, *There's something about water... Exploring morphogenesis and the hydro-social cycle in South Indian canal irrigation.*

3:20 Jessica Barnes*, Columbia University, *Managing the Invisible: Drainage in Egypt's Agricultural Lands.*

3:40 Van Houweling Emily*, Virginia Tech.; Ralph Hall*, Virginia Tech, *The distribution of benefits from productive use water systems from a critical gender perspective.*

4:00 Laurence Lestel*, CNRS; Michel Meybeck, CNRS; Sophie Ayrault, CEA, *Metal contamination cycles (Cd, Cu, Hg, Pb, Zn) within the Seine River Basin (1935-2000): from the ignorance of extreme contamination to a serious environmental heritage..*

4510. Questions of Animal Welfare: On the Farm and in the Lab (Sponsored by Animal Geography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Connie Johnston, Clark University

CHAIR(S): Connie Johnston, Clark University

2:40 Mara Miele*, Cardiff University, *Chicken's Emotion.*

3:00 Henry Buller*, University of Exeter, UK; Emma Jane Roe*, University of Southampton, UK, *The collaborative turn in animal studies: crossing the social science and animal science divide.*

3:20 Connie Johnston*, Clark University, *Entangled in Language.*

3:40 Adrian Evans*, Cardiff University; Mara Miele, Cardiff University, *Welfare multiple: The use of citizen juries to explore interactions between expert and lay understandings of farm animal welfare.*

4:00 Stoddard Elisabeth, M.S.*, Clark GSG, *The Principle of Precaution: Assessing Harm for Farmed Animals Treated With Pro-Growth Antibiotics.*

4511. Topics in GIS, Remote Sensing, and Spatial Analysis

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Lin Xu, Wuhan University

2:40 Benjamin David Hennig*, University of Sheffield; Danny Dorling, University of Sheffield; Mark Ramsden, University of Sheffield, *People powered maps: A population-centric map projection.*

2:46 Naijun Zhou*, University of Maryland College Park, *A Web geospatial application enabled by geosemantic and ontological technologies.*

2:52 Brian Clifford*, University College Dublin, Ireland; Maarten Nieuwenhuis, University College Dublin, Ireland, *A GIS-Based Multi-Objective Decision Support System for the Optimal Management of Forests on Peatlands in Ireland.*

2:58 Kristen Grady*, City University of New York; Andrew Maroko, City University of New York; Juliana Maantay, Ph.D., M.U.P., City University of New York, *Analyzing Park Access and Environmental Justice in New York City: Using Network Analysis and the Cadastral-based Expert Dasytetric System.*

3:04 Chang Yi*, *Texture and Scale in Classification with Very High Spatial Resolution Images.*

3:10 Wenjie Fan*, Institute of RS and GIS, Peking University; Binyan Yan, Institute of RS and GIS, Peking university; Yaokui Cui, Institute of RS and GIS, Peking University; Xiaochen Liu, Institute of RS and GIS, Peking University; Xiru Xu, Institute of RS and GIS, Peking University, *Accurate LAI Retrieval Method Based on PROBA/ CHRIS Data.*

3:16 Wei Liang*, USGS - National Wetlands Research Center; Xiaojun Qin, USGS-National Wetlands Research Center; Nina Lam, Louisiana State University, *Study on The Transition of Land Cover Change of Wetland Areas over Severe Hurricanes by Using IKONOS images in Weeks Bay.*

3:22 Michael Shouse*, University of Kentucky; Songlin Fei, PhD, University of Kentucky, *Identifying Invasive Exotic Species and Native Vegetation Using Hyperspectral Remote Sensing.*

3:28 Nadeem Hashem*, Qatar University, *Modeling Land Degradation and Desertification in Semi-Arid Environment With the Use of GIS and Remote Sensing Techniques.*

3:34 Frederick Scott Pianalto, M.S.*, University of Arizona, *A Remote Sensing Soil Disturbance Model of Valley Fever Pathogen Propagation in Southern Arizona..*

3:40 Xiang Chen*, The Ohio State University, *Evaluating Accessibility of Public Transportation Networks Based on the Critical Cluster Model.*

3:46 Alexandra Zimmermann*, Oxford University; Scott Wilson, Chester Zoo, *Spatial Analysis of Human-Jaguar Conflicts across Latin America.*

3:52 Lin Xu*, Wuhan University, *Multi-Granularity Similar Trajectory Search based on Road Network.*

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- 4512. Rethinking Islandness II: Discursive Spaces and Tidalectics in Island Worlds (Sponsored by Qualitative Research Specialty Group, Political Geography Specialty Group, Ethnic Geography Specialty Group)**
Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Joseph Palis, University of North Carolina at Chapel Hill; Matthew J. Reilly, University of North Carolina - Chapel Hill
 CHAIR(S): Susan P. Mains, University of the West Indies-Mona
2:40 Karen Elizabeth McNamara, PhD, BEnvSc (Hons)*, James Cook University; Lisa Law, PhD, BA (Hons), James Cook University, *Assessing the visibility of the Torres Strait: Discourses of an Island region in Australia.*
3:00 Shiva Mohan*, The University of the West Indies, Mona, *Negotiating Caribbean Diasporic Identities through Caribana Carnival.*
3:20 Stephen Arthur Royle, MA PhD MRIA*, Queen's University Belfast, *Colonization of Vancouver Island under the Hudson's Bay Company.*
 Discussant(s): Matthew J. Reilly, University of North Carolina - Chapel Hill
- 4513. United States Electoral Geography (Sponsored by Political Geography Specialty Group)**
Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Fred M. Shelley, University of Oklahoma
 CHAIR(S): Ryan Douglas Weichert, University of Nebraska
2:40 Mark De Socio*, Salisbury University; Adam Hoffman, Salisbury University, *Towards critical electoral geography: A candidate-centered political and occupational network approach.*
3:00 Robert Howard Watrel*, South Dakota State University, *Metropolitan, Micropolitan, and Rural Differences in the 2008 Presidential Election.*
3:20 John Heppen, Ph.D.*, University of Wisconsin River Falls, *Presidential Elections and Regional Differences in the U. S. Political Economy.*
- 4514. Critical Geography of Geographical Epistemes (Sponsored by Socialist and Critical Geography Specialty Group)**
Room: Park Tower 8210, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Thomas Doerfler, University of Bayreuth
 CHAIR(S): Olivier Graefe, University of Fribourg
 Panelists: Benedikt Korf, University of Zurich
- 4515. Map Design (Sponsored by Cartography Specialty Group)**
Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Cindy Brewer, Pennsylvania State University; David K. Patton, Central Michigan University
 CHAIR(S): Anthony C Robinson, Pennsylvania State University
2:40 Terry A. Slocum*, University of Kansas; Fritz C. Kessler, Frostburg State, *Evaluating Changes in Thematic Map Design for the Annals of the Association of American Geographers over the Twentieth Century.*
3:00 Cynthia A. Brewer*, Pennsylvania State University; Wesley J. Stroh, Pennsylvania State University, *Teaching Cartographic Design with GIS Tools.*
3:20 David Heyman*, Axis Maps LLC; Mark Harrower, PhD, Axis Maps LLC; Zachary Forest Johnson, Axis Maps LLC; Ben Sheesley, PhD, Axis Maps LLC; Andy Woodruff, Axis Maps LLC, *indiemapper.*
3:40 John C. Kostelnick*, Illinois State University, *Cartographic Considerations for Visualization of Hazards.*
4:00 Anthony C Robinson, PhD*, The Pennsylvania State University; Robert E. Roth, The Pennsylvania State University; Craig McCabe, The Pennsylvania State University; Scott Pezanowski, The Pennsylvania State University; Alan M. MacEachren, PhD, The Pennsylvania State University, *Challenges to Standardizing Map Symbolology.*
- 4516. Department budgets and financial strategies in today's economic climate (Sponsored by Enhancing Departments and Graduate Education project (EDGE), Geography Faculty Development Alliance (GFDA))**
Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Ken Foote, University of Colorado
 CHAIR(S): Ken Foote, University of Colorado
 Panelists: Douglas W. Gamble, University of North Carolina - Wilmington; Vincent J. Del Casino, California State University, Long Beach; Ken Foote, University of Colorado; Laurence W. Carstensen, Virginia Tech University; Richard A. Marston, Kansas State University
- 4517. Innovative spaces of learning: debating their origin, nature and pedagogical significance (Sponsored by International Network for Learning & Teaching Geography in Higher Education (INLT), Geography Education Specialty Group)**
Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Jenny Louise Hill, University of the West of England; Derek France, University of Chester
 CHAIR(S): Jenny Louise Hill, University of the West of England
2:40 Helen Walkington, BSc, MSc, PhD, FRGS, FHEA, NTF*, Oxford Brookes University, *Collaborative learning space: the case of online undergraduate research journals.*
3:00 Niamh M. Moore, Dr*, University College, Dublin, *Moving beyond the individual in technological spaces: Complementing the classroom with virtual communities of learning.*
3:20 Jennifer Louise Hill, Dr*, University of the West of England, *Evaluating the flexible spaces of learning created through exotic video podcasts.*
3:40 Kelly Wakefield*, Loughborough University; Derek France*, University of Chester, *Transition of Learning Styles amongst Geography Undergraduates.*
4:00 W. Brian Whalley*, Queen's University, *The ecology of learning: From Noosphere to Dynabook via Personal Learning Environments.*
- 4518. Perspectives on Urban Sprawl, Sub-urban/Inner City Developments: Issues, Analysis and Critiques (Sponsored by Urban Geography Specialty Group, Regional Development and Planning Specialty Group)**
Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Sun Hui Sim, Florida State University
 CHAIR(S): Betka Zakirova, Freie University and Graduate Research Program Urban Ecology, Berlin
2:40 Betka Zakirova*, Freie Universität and Graduate Research Program Urban Ecology, Berlin, *States of, and perspectives on, shrinking areas at the Berlin urban fringe.*
3:00 Yaning Chen*, School of Geographical Science, South China Normal University; Minqin He, School of Geographical Science, South China Normal University; Huina Gao, School of Geographical Science, South China Normal University, *Comparative Studies on Characteristics and Causes of Urban Sprawl in China and Europe & the United States.*
3:20 Eberhard Rothfuss*, University of Passau, Germany, *Urban Ambivalence in the Global South - Megacities as Catastrophe or Solution?.*
3:40 Abhijit Banerjee*, Northeastern Illinois University, *Regional Planning without Political Authority: Prospects for Smart Growth in the Chicago Metropolitan Region.*
4:00 Dorothy Ives-Dewey, Ph.D., AICP*, West Chester University; Michael Weishaar, West Chester University, *Investigating the Impacts of the Housing Crisis in the Suburbs.*

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- 4519. Urbanization, Environment, and Sustainability (I): Public/Environmental Health (Sponsored by Urban Geography Specialty Group, China Specialty Group, Remote Sensing Specialty Group)**

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR(S): Bingqing Liang, Mansfield University of Pennsylvania

2:40 Qihao Weng*, Indiana State University, *Changes in Urban Land and Climate, and Their Relations to Outbreaks of West Nile Virus.*

3:00 Natacha Aveline, PhD*, French National Research Center (CNRS), *Spatial Constraints and New Modes of Cremation Ashes Disposal, Shanghai as a Pioneer for a New 'Funeral Culture' in China.*

3:20 Robert Brinkmann, Ph.D.*, University of South Florida, *Brownfields, Sustainability, and Health in East Tampa, Florida.*

3:40 Yu Luo Rioux, Ph.D.*, University of Colorado at Boulder, *SARS and Crisis Management with Chinese Characteristics.*

4:00 Christian Ellermann*, University of Oxford; Maximilian Mayer, University of Bonn, *Climate change with Chinese characteristics: A study of discourse.*

- 4520. Memory and Place: Indigeneity and the Sociocultural Landscape (Sponsored by Cultural Geography Specialty Group, Indigenous Peoples Specialty Group)**

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Chris N. Castagna, University of Hawaii at Manoa; Ezra Zeitler, University of Wisconsin-Eau Claire

CHAIR(S): Chris N. Castagna, University of Hawaii at Manoa

2:40 Zachary Romano*, University of British Columbia-Okanagan; Jon Corbett, University of British Columbia-Okanagan, *Creating a Place for Memory: Mitigating Indigenous diaspora through participatory digital media production.*

3:00 Sailiemanu Lilomaiaava-Doktor, Dr. *, University of Hawaii-West Oahu, *Indigenous Notions of 'Place', Fanua (land): The Samoan Case.*

3:20 Maya Daurio*, *The Fairy Language: The Perpetuation of Social Memory Through Narrative and Ritual Among Kaike Speakers in Sahar Tara, Nepal.*

3:40 Saskia Vermeylen*, Lancaster University, *Indigenous Peoples and Place: Reclaiming landscape through stories and myths.*

4:00 Scott Heyes, Dr*, The University of Melbourne, *Hunting for Stories.*

- 4521. Geography and the Speculative Turn**

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

ORGANIZER(S): Keith Woodward, University of Wisconsin-Madison; Arun Saldanha, University of Minnesota - Minneapolis

CHAIR(S): Arun Saldanha, University of Minnesota - Minneapolis

2:40 Keith Woodward*, University of Wisconsin-Madison, *The Speculative Geography That Is.*

2:55 Jose Luis Romanillos*, University of Exeter, *Geography, phenomenology, finitude: writing against anthropocentrism.*

3:10 Ian G R Shaw*, University of Arizona; William Jarnagin*, University of Arizona, *Consciousness, Interrupted.*

3:25 Arun Saldanha*, University of Minnesota - Minneapolis, *Badiou as realist.*

3:40 John-David C. Dewsbury*, University of Bristol, *False Witness: the speculative realism of 'how it is'.*

- 4522. Geographies of Slavery: Politics of Memory (Sponsored by Africa Specialty Group, Study of the American South Specialty Group, Historical Geography Specialty Group)**

Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Derek H. Alderman, East Carolina University; G. Rebecca Dobbs, University of North Carolina at Chapel Hill

CHAIR(S): Derek H. Alderman, East Carolina University

2:40 E Arnold Modlin*, Louisiana State University, *Changing the Story in a History Museum: Can a Whitewashed Plantation Tell a Multiracial Story?.*

3:00 Christine N. Buzinde, PhD*, Penn State University; Carla Santos, PhD, University of Illinois, *Tourists' Reception of Plantation Slavery.*

3:20 Perry L. Carter*, Texas Tech University; David Butler, Associate Professor, University of Southern Mississippi, *Re-introducing the Slave to the Plantation: African-Americans in the memorialize South.*

3:40 Trushna Parekh*, University of Kentucky, *Situating Commemorations to the Enslaved.*

- 4523. Web 2.0 and Volunteered Geographic Information (Sponsored by Health and Medical Geography Specialty Group, Geographic Information Science and Systems Specialty Group, Hazards Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Daniel Z. Sui, Ohio State University

CHAIR(S): Daniel Z. Sui, Ohio State University

2:40 Ola Ahlqvist*, The Ohio State University; Ramanathan Jay, The Ohio State University; Rajiv Ramnath, The Ohio State University; Thomas Loffing, The Ohio State University; Austin Kocher, The Ohio State University, *Map games as Mirror Worlds for collaborative community decision making.*

3:00 Chen Xu*, *Maps as Wikis: a second-order cybernetics interpretation of web2.0-enabled mapping and its implications for emergency management.*

3:20 Darren Hardy*, UC Santa Barbara, *Geospatial signatures of anonymous Wikipedia authorship.*

3:40 Daniel Z. Sui*, Ohio State University, *Health Geography 2.0: What happens when Google Earth meets Google Health?.*

4:00 Luyao Chen*, Texas A&M University - College Station, *OpenStreetMap Data Quality Evaluation - A case Study in Beijing Urban Area.*

- 4524. Critical Views of Militarism/ Militarization II (Sponsored by Qualitative Research Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Harding, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jennifer Fluri, Dartmouth; Lorraine Dowler, Penn State University

CHAIR(S): Jennifer Fluri, Dartmouth

2:40 Pamela Moss*, University of Victoria; Michael J Prince, University of Victoria, *What do PIE and Magnum, PI have in common?: Psychiatry and the Military as Disciplinary Apparatuses.*

3:00 Richelle Bernazzoli*, University of Illinois, Urbana-Champaign; Colin Flint, Ph.D, University of Illinois at Urbana-Champaign, *From Militarization to Securitization: Finding a Concept That Works.*

3:20 Lia D Shimada*, University College London, *"There's no such thing as a post-conflict society": Racism, paramilitarism and peace in Northern Ireland.*

3:40 Deborah Thien*, California State University, Long Beach, *The militarization of trauma: a feminist analysis of Post-traumatic Stress Disorder.*

4:00 Evan Casper-Futterman, University of New Orleans; David Jansson*, Uppsala Universitet, *Between Cowardice and Courage: U.S. Soldier Dissent and Resistance in Iraq.*

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- 4525. China and India: Divergent Paths of Industrial Deepening under Globalization II (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group, China Specialty Group)**
Room: Hoover, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Moriki Ohara, Institute for Developing Economies, JETRO
 CHAIR(S): Moriki Ohara, Institute for Developing Economies, JETRO
2:40 Parthasarathy Balaji*, International Institute of Information Technology, *The Chinese Software Industry in Comparative Perspective: Dalian in the International Division of Labor*.
3:00 Mark P. Dallas*, University of California, Berkeley, *The Remaking of China's and India's Textile and Apparel Industries: Industrial Finance, Global Linkages and Late Development*.
3:20 Koichiro Kimura*, Institute of Developing Economies, *The Market Structures and the Properties of Competition: A Comparison between China and India's Electrical and Electronics Industries*.
3:40 Martin Lockström*, China Europe International Business School; Lei Liu, China Europe International Business School, *The Chinese Electric Vehicle Industry: An Exploratory Study of Industry Development*.
 Discussant(s): Jun He, Institute of Industrial Economics, Chinese Academy of Social Sciences; Yoko Asuyama; Vijayabaskar Manimegalai; Moriki Ohara, Institute for Developing Economies, JETRO
- 4526. Geographies of Education I: Inclusion and Exclusion (Sponsored by Population Specialty Group)**
Room: Jackson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Kathy Reilly, National University of Ireland Galway, Ireland; Valerie Ledwith, National University of Ireland, Galway
 CHAIR(S): Valerie Ledwith, National University of Ireland, Galway
2:40 Thomas Kemper*, DIPF, *Regional Inclusion and Exclusion of students in German schools. A regional and school form specific analysis of students by nationality*.
3:00 Yu-Chieh Hsieh*, *Planned for inclusion: can schools produce equal subjects?*.
3:20 Eva K Andersson*, Uppsala University; John Östh, Uppsala University; Bo Malmberg, Stockholm University, *School segregation and riots*.
3:40 Elizabeth S. Mathews*, NIRSA, Nui Maynooth, *"Scattered as we are and lost among the hearing": The changing geographies of resistance in the Irish deaf education system..*
4:00 Valerie Ledwith*, National University of Ireland, Galway; Kathy Reilly, PhD*, National University of Ireland Galway, Ireland, *Two-Tiered Schooling? Exploring Migrant Youth School Experiences in Galway*.
- 4527. City of Negotiation: Social Innovations and Urban Living (ii)**
Room: Jefferson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Gill Harold, University College Cork, Ireland
 CHAIR(S): Gill Harold, University College Cork, Ireland
2:40 Joanna Dyl*, University of South Florida, *Negotiating the Streets: Public Space in Post-Disaster San Francisco*.
3:00 Lyrica Taylor*, University of Maryland, College Park, *More EastEnders than Masterpiece Theatre: Walter Sickert and the Camden Town Group's Visual Interpretations of Modern London Communities and Domestic Spaces, 1911-1912*.
3:20 Hakhee Kim*, Ginue, S. Korea, *In search of real 'alternative space': Critical reflections on Korean contemporary art world*.
3:40 Gill Harold*, University College Cork, Ireland, *Deaf citizens and the right to the city: counter spaces and practices in Dublin and London*.
- 4528. Illustrating Infectious Disease Patterns with Spatial Analysis**
Room: Johnson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Asnakew Kebede Yeshiwondim, Boston University
2:40 Richard Ohwofasah Djukpen*, Geography Department, University of Illinois, Urbana IL, *Mapping infectious diseases epidemic using exploratory spatial data analysis in Nigeria*.
3:00 Kabita Ghimire, Graduate Student*, Kansas State University; Douglas G Goodin, Kansas State University, *Habitat identification of malaria vector, Anopheles darlingi, in South America using Object based classification of remote sensing data*.
3:20 John Östh, Uppsala University; Thomas Niedomysl*, Institute for Futures Studies; Bo Malmberg, Stockholm University, *Predicting the spread of pandemic influenza using data from social networking sites*.
3:40 Asnakew Kebede Yeshiwondim*, Boston University; Sucharita Gopal, Boston University, *Bayesian Spatial Modeling and Mapping of Malaria Incidence at Village Level in Unstable Transmission Areas in Ethiopia*.
- 4529. Best Practices in Applied Geography Education (Sponsored by Applied Geography Specialty Group, Enhancing Departments and Graduate Education project (EDGE), Geography Education Specialty Group)**
Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Michael N. DeMers, New Mexico State University
 CHAIR(S): Michael N. DeMers, New Mexico State University
2:40 Michael Ratcliffe*, U.S. Bureau Of the Census, *Training Applied Geographers: Understanding Relationships Between Geography and Statistical Data*.
3:00 Darcy L. Boellstorff*, Bridgewater State College, *Research-embedded instruction focused on engaging second-year non-majors*.
3:20 Michael N. DeMers, Ph.D., OTLC*, New Mexico State University, *Project-Based GIS Design Education in the University*.
3:40 William J. Gribb*, University of Wyoming, *Geography and Planning: A Mix of Disciplines for Applied Experiential Education*.
4:00 James E Lightfoot*, National Defense Intelligence College, *Geography Education at the National Defense Intelligence College*.

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- 4530. Critical Geographies of Climate Change Mitigation and Adaptation (Session I) (Sponsored by Cultural and Political Ecology Specialty Group, Political Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jennifer L. Rice, University of Arizona and The Ohio State University; David Lansing, University of Maryland Baltimore County

CHAIR(S): Kevin Grove, Ohio State University

2:40 David M Lansing*, University of Maryland Baltimore County, *Performing Carbon's Materiality: The Production of Carbon Offsets and the Framing of Exchange.*

3:00 Mark H Cooper*, University of Wisconsin-Madison, *Framing, naming, and taming: Forestry and land use change in the New Zealand emissions trading scheme.*

3:20 Trevor Birkenholtz*, Rutgers University, *Predicting the global; experiencing the local: Climate change in Rajasthan, India..*

3:40 Nicole Peterson, PhD*, Barnard College, *Microinsurance, climate change adaptation, and neoliberal markets in Ethiopia.*

Discussant(s): Paul Robbins, University of Arizona

- 4532. Development Geographies: Remembering Gary Gaile (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Brian King, The Pennsylvania State University; Cort J. Willmott, University of Delaware

CHAIR(S): Brian King, The Pennsylvania State University

2:40 Brian King*, The Pennsylvania State University, *On "Planes and Brains": Lessons Learned Testing an Urban Employment Hypothesis.*

3:00 Jamie Gillen*, Miami University-Ohio, *Segmenting informal discussions into viable methodological categories: the work of creating biography in the field.*

3:20 Claire A Simon, PhD Candidate*, University of Colorado, Boulder, *Poverty, Social Construction and Evaluation Methodologies.*

3:40 Benson Funk Wilder, M.A. University of Colorado at Boulder*, U.S. Department of State, *Applying the Gaile Method in Applied Geography.*

4:00 Anthony J Bebbington*, University of Manchester, *Theory/critique/policy: Gary Gaile's Development Geography and Extractive Industry Conflicts in South America.*

- 4533. Territory, nationalism, and homeland in political geography I (Sponsored by Political Geography Specialty Group)**

Room: McKinley, Marriott Mezzanine Level (Paper Session)

ORGANIZER(S): Edward Holland, University of Colorado at Boulder; Adam Levy

CHAIR(S): Natalie R. Koch, U of Colorado, Boulder

2:40 Takashi Yamazaki*, Osaka City University, *"Japan was not a homeland we should return to": Okinawa and its obfuscatory nationalism.*

3:00 Melina Annie Patterson, PhD*, University of Mary Washington, *Transracial Adoption and the National Imagination: reproducing family and country without reproduction.*

3:20 Caroline Faria*, Dartmouth College, *Launching the movement on-line: cyber surveillance, solidarity and state engagement in South Sudanese diasporic medias.*

3:40 R. Tina Catania*, Syracuse University, *Building Bridges? Constructing the Nation on Bodies and Borders.*

- 4535. Energy & Climate Justice (Sponsored by Graduate Student Affinity Group, Ethics, Justice, and Human Rights Specialty Group, Energy and Environment Specialty Group)**

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Amy Roe, University of Delaware

CHAIR(S): Amy Roe, University of Delaware

Introducer: John Byrne

3:00 John Byrne*, Center for Energy and Environmental Policy, University of Delaware, *Weighing in on Energy Obesity.*

3:20 Amy Roe*, University of Delaware Center for Energy and Environmental Policy, *Communities Power Up to Power Down.*

3:40 Jeremiah Couey*, University of Delaware Center for Energy & Environmental Policy, *Speaking of Sustainability: The language commons within our technological civilization and understanding consciousness towards a sustainable future.*

- 4536. Airline Geographies in a Time of Crisis and Change (Sponsored by Transportation Geography Specialty Group)**

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): John Bowen, Central Washington University

CHAIR(S): John Bowen, Central Washington University

2:40 Timothy Vowles*, University of Northern Colorado, *Geographic Patterns of Airline Route Abandonment.*

3:00 Matt Paskus*, Western Washington University Geography Department Graduate Student, *Understanding the Dynamic Effects of Flight Paths on Land Use and Property Values in Whatcom County Washington, Usa.*

3:20 Michael B McCarthy*, University of North Carolina at Greensboro; Keith G Debbage, Ph.D., University of North Carolina at Greensboro, *Air Transportation by Metropolitan Area: Different Measures of Airport Activity Yields.*

3:40 Khaula A. Alkaabi, ABD*, University of North Carolina at Greensboro; Keith G. Debbage, Ph.D., University of North Carolina at Greensboro; Ahmad Bin Touq, Ph.D., UAE University, *The Geography of the Aeropolis Model: The United Arab Emirates Experience.*

4:00 John Bowen*, Central Washington University, *Spatial Patterns in Commercial Aircraft Size, 1998-2008: Market Growth, Liberalization, and Sustainability.*

- 4537. Critical Heritage II: Visualising the Past, Re-Branding the Present**

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Claudio Minca, Royal Holloway - University of London; Jessica Jacobs, Royal Holloway University of London

CHAIR(S): Jessica Jacobs, Royal Holloway University of London

Panelists: Geraldine J. Pratt, University of British Columbia; Christopher Harker, Durham University; Stuart C. Aitken, San Diego State University

- 4538. Planning and Geography: kindred souls or ships passing in the night**

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Amy Glasmeier, Pennsylvania State University

CHAIR(S): Amy Glasmeier, Pennsylvania State University

Panelists: Amy Glasmeier, Pennsylvania State University; Susan M. Christopherson, Cornell University; Robert W. Lake, Rutgers University; Michael Storper, London School of Economics; Jennifer R. Wolch, University of California, Berkeley; Douglas Richardson, Association of American Geographers

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4540. Geographies of the super-rich

Room: *Truman, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Iain M. Hay, Flinders University

CHAIR(S): Iain M. Hay, Flinders University

2:40 Iain M. Hay*, Flinders University, *Balance outstanding - on the 'neglected' super-rich.*

3:00 Jonathan V. Beaverstock*, The University of Nottingham; Sarah Hall, University of Nottingham; Tom Wainwright, University of Nottingham, *Servicing the super-rich: Private wealth management in the U.K.'s financial services industry.*

3:20 Michael Woods*, Aberystwyth University, *Rich, Rural and Rooted? Neoliberalism, neopaternalism and the new transnational geographies of the rural super-rich.*

Discussant(s): Phillip Hubbard, Loughborough University

4541. Geographies of Waste and Value 4: Producing Waste, Producing Space

Room: *Tyler, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Josh Lepawsky, Memorial University of Newfoundland

CHAIR(S): Risa C. Whitson, Ohio University

2:40 Eli Meyerhoff*, University of Minnesota, *"Wasted Minds"? Governmentality and School Non-completion.*

3:00 Kate Parizeau*, University of Toronto, *Decommodification as a mechanism of value production in the waste management industry.*

3:20 Mary Lawhon*, Clark University; Djahane B Salehabadi, Cornell University, *"Fixing" the E-Waste Problem.*

3:40 Josh Lepawsky*, Memorial University of Newfoundland, *Enclosing waste and capturing value? Law-space relations and Canadian e-waste legislation..*

4:00 Sintana E Vergara, PhD Candidate, Energy and Resources Group*, UC Berkeley, *Valuing the climate benefits from informal waste recycling in Bogotá, Colombia.*

4542. James Blaut Memorial Award and Lecture (Sponsored by Socialist and Critical Geography Specialty Group)

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

ORGANIZER(S): Jamey Essex, University of Windsor

CHAIR(S): Jamey Essex, University of Windsor

Introducer: Olaf Kuhlke, University of Minnesota-Duluth

Speaker(s): James A. Tyner, Kent State University

4543. The Use of Photography and Rephotography in Geomorphological Research and Teaching - Session 1: Qualitative Approaches (Sponsored by Biogeography Specialty Group, Geomorphology Specialty Group, Mountain Geography Specialty Group)

Room: *Wilson B, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Mary Thornbush, Lakehead University, Orillia Campus; David R. Butler, Texas State University - San Marcos

CHAIR(S): Carol F. Sawyer, University of South Alabama

Introducer: Carol F. Sawyer

2:45 Carol F. Sawyer*, University of South Alabama, *Using Repeat Photography in Micro-scale Research in Alpine Regions.*

3:05 David R. Butler, Ph.D.*, Texas State University - San Marcos, *Sources of Photographs for Repeat Photography, with Examples for Classroom Applications.*

3:25 Mark D. Spont*, University of Tennessee; Henri D. Grissino-Mayer, Ph.D., University of Tennessee; Sally P. Horn, Ph.D., University of Tennessee, *Assessing ecological changes with repeat photography at El Malpais National Monument, New Mexico, USA.*

3:45 Jon J. Kedrowski*, Texas State University-San Marcos; Chris D. Tomer, Meteorologist, KDVR Fox 31 News, Denver, CO, *Dirty Snow: Documenting the 2009 Dust Storm Events and Snow Pack for the San Juan and Elk Mountain Ranges of Colorado with Repeat Photography and Snow Pack Data from the Past Decade.*

Discussant(s): Mary Thornbush, Lakehead University, Orillia Campus

4544. Case Studies in Historical GIS II

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

ORGANIZER(S): Program Committee

CHAIR(S): William Cartwright, RMIT University

2:40 William E Cartwright, PdD EDD*, RMIT University, Australia, *Mapping personal geographies of warfare: Gallipoli 1915.*

3:00 Laura L Trauth, M. Hum*, The Community College of Baltimore Co., *Sin and Sickness in 17th century London.*

3:20 Ruth A Askeveld*, San Francisco Estuary Institute, *Reoccupying Historical Maps to Recreate Historical Landscapes.*

3:40 Magda Biesiada*, National Centre for Geocomputation, Ireland; Mary Kelly, National Centre for Geocomputation; A. Stewart Fotheringham, National Centre for Geocomputation; Martin Charlton, National Centre for Geocomputation, *Spatial Variations in Population Dynamics in Ireland 1841-1851.*

4:00 Ann Evans Larimore, University of Michigan*, University of Michigan, *Reading the new TANNER/BAILEY/TRYGG MAP of Michigan's Grand Traverse and Benzie Regions in the 1850's, using the Concept of Sequent Occupance, and the GEOMAT web architecture method..*

4545. Geomorphology; Resources

Room: *Exhibit Hall B South, Marriott, Exhibition Level* (Poster Session)

ORGANIZER(S): Program Committee

CHAIR(S): Desseræe Shepston, Texas State University-San Marcos

Nicole D. Rietz*, Minnesota State University Mankato, *Periglacial Landform Classification in the White Mountains of California using GPS and GIS.*

Michael Applegarth*, Shippensburg University, *Carbon Sequestration in the US Desert Southwest.*

Lixin Wang*, University of Georgia; David S Leigh, University of Georgia, *Particle Size, Stratigraphy and Paleofloods in the Upper Little Tennessee River Valley, Blue Ridge Mountains, North Carolina.*

Jacob M. McDonald*, University of Georgia; David S Leigh, University of Georgia, *Stratigraphic Analysis of a Montane Peatland in Western North Carolina.*

William David Butler*, Texas State University - San Marcos; David R. Butler, Ph.D., Texas State University-San Marcos, *The Application of Rephotography to Document Fine-scale Geomorphic Changes in Geothermal Features, Yellowstone National Park, Wyoming.*

Cal Ryan Scheinert*, East Carolina University Student; Thad A Wasklewicz, East Carolina University; Dennis M Staley, U.S. Geological Survey, *Verification of a Debris Flow Fan Physical Model with A Recent Debris Flow on the Chalk Cliffs Fan in Central Colorado, USA.*

Stephen George Tsikalas*, Texas State University- San Marcos, *The Zoogeomorphology of Cliff Sparrows in Hays County, Texas.*

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Laura M. Veverka*, Student; Caroline Davies, Ph.D., Associate Professor, *Investigation of landform processes through textural characteristics, mineralogy, and form of the Qa Al-Azraq dunes, Jordan.*

Guillermo Espinosa, B.A.*, *A study of the effects of river dynamics in the sediment composition of two beach systems in Puerto Rico as a tool for a sustainable development model.*

Stefan Truex*, University at Buffalo; William Phipps, University at Buffalo; Nicolas Young, University at Buffalo; Heather Stewart, University at Buffalo; Jason Briner, University at Buffalo, *Using lake sediments to reconstruct spatial and temporal changes of the western Greenland Ice Sheet during the Holocene.*

Christopher Justin Ploetz, MS Candidate*, University of Georgia; George A. Brook, Merle C. Prunty Jr. Professor, University of Georgia, *Paleoenvironmental history of Otjimaruru Pan, Namibia, derived from OSL dating of lunette and linear dune sands.*

John M Wamsley, Doctoral Student*, Texas State University; David R. Butler, PhD, Texas State University - San Marcos, *Biogeomorphic Impacts of North American Tortoises.*

Robbyn JF Abbitt, GISP*, Miami University; Elizabeth Ellison, Miami University; Monica Rakovan, Miami University, *River channel mapping in Southwest Ohio using airborne-LiDAR data.*

Kimberly Meitzen*, University of South Carolina-Columbia, *Hydrogeomorphic Classification of the Lower Congaree River Floodplain, South Carolina, USA.*

Samuel C. Whitehead*, Department of Economics and Geography, Texas Tech University, Lubbock, TX, USA; Matthew Baddock, PhD, USDA Agricultural Research Service, Lubbock, TX, USA; Thomas Gill, PhD, Environmental Science & Engineering, University of Texas- El Paso, El Paso, TX, USA; Catherine Lee, Department of Economics and Geography, Texas Tech University, Lubbock, TX, USA; Jeffrey Lee, PhD, Department of Economics and Geography, Texas Tech University, Lubbock, TX, USA; Mbongowo Mbuh, Department of Economics and Geography, Texas Tech University, Lubbock, TX, USA, *Source Classification of Dust Plumes on the Llano Estacado of West Texas and Eastern New Mexico.*

Matthew Sledge Melancon, M.S.*, Texas State University, *Mountain Islands as a result of Climate Change in Big Bend National Park, Texas.*

Ginger L. Schmid, Ph.D., Minnesota State University; Forrest D. Wilkerson, Ph.D.*, Minnesota State University, *Alpine Soils and their Response to Climate Change.*

Brandon Jeffery Weihs*, Kansas State University; John Shroder, University of Nebraska, *Rockslide Dam Geomorphology of Lake Shewa, Badakhshan, Afghanistan.*

Matthew E. Ramspott, Ph.D.*, Frostburg State University; Phillip Allen, Ph.D., Frostburg State University; David L. Arnold, Ph.D., Frostburg State University, *Sun and Sand in the Colville River Delta: Investigating Recent Landscape and Climate Variation.*

Christopher A Walter, M.S. Candidate*, The University of Montana Department of Geography; John A Young, USGS Leetown Science Center; Craig D Snyder, USGS Leetown Science Center; Mary T Mandt, USGS Leetown Science Center, *Spatial Interactions between Watershed Geology, Hydrology and Fluvial Geomorphology in Headwater Streams in Shenandoah National Park, Virginia.*

Adamaris Gonzalez Adorno*, Carlos A Morales, *Effect of water*

quality parameters and land cover at watersheds of the Northeast of Puerto Rico, 2007.

Anna Talucci*, University of Denver, *Geographical Influences on the Sustainability Initiatives of the National Outdoor Leadership School.*

Karen S Barton*, University of Northern Colorado, *Ranchers and Conservationists: Unlikely Allies in the Brazilian Pantanal.*

Desserae K Shepston*, Texas State University-San Marcos, *The Northwest Forest Plan: A Pathway to Resilient Riparian Systems?.*

4546. Geospatial Aspects of Human and Physical Terrain in Military Operations (Sponsored by Military Geography Specialty Group)

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): L. Jean Palmer-Moloney, USACE - ERDC
CHAIR(S): L. Jean Palmer-Moloney, USACE - ERDC

2:40 Ray Caputo*, U.S. Army Geospatial Center, *U.S. Army use of Geospatial PDF (GeoPDF).*

3:00 William W. Doe III, Ph.D.*, Colorado State University; Gary E. Machlis, Ph.D., University of Idaho, *Advancing the Field of Warfare Ecology.*

3:20 L. Jean Palmer-Moloney, Senior Research Geographer*, USACE - ERDC, *Watershed-based Human Terrain Analysis: Designing a Geospatial Methodology for Civil-Military Operations in Afghanistan's Helmand River Watershed.*

3:40 Jason C Young*, Army Geospatial Center, *Winning Hearts and Minds Through Participation: The Military and PGIS.*

4:00 Elizabeth Lyon*, US Army Corps of Engineering Research And Development, *Economic Geographic Analysis of the Helmand Watershed.*

4547. Reflections from Members of the AAG Delegation to the United Nations Framework Convention on Climate Change in Copenhagen

Room: Lincoln Room 3, Marriott, Exhibition Level (Panel Session)
ORGANIZER(S): John A. Harrington, Kansas State University
CHAIR(S): John A. Harrington, Kansas State University
Panelists: C. Mark Cowell, University of Missouri; Brandon Derman, University of Washington; Ivan J. Ramirez, Michigan State University; Michael A. Urban, University of Missouri; Shangrila Joshi Wynn, University of Oregon

4548. Biodiversity, livelihoods, and conservation: Emerging Trends, Challenges, and Responses (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: Lincoln Room 4, Marriott, Exhibition Level (Panel Session)
ORGANIZER(S): Ashwini Chhatre, University of Illinois at Urbana-Champaign; Patrick T. Hurley, Ursinus College
CHAIR(S): Patrick T. Hurley, Ursinus College
Panelists: Tim Forsyth, London School of Economics; Thomas J. Bassett, University of Illinois; Antoinette M.G.A. WinklerPrins, Michigan State University; Rod Neumann, Florida Intl Univesity

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4549. Topics in Environment and Water Resources

Room: Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ross J Guida, University of Nevada Las Vegas

2:40 Johan Liebens*, University of West Florida; Carl J. Mohrherr, University of West Florida; Krothapalli R. Rao, University of West Florida, *Impacts of Industry on Environmental Quality of Urban Soils..*

2:45 Jennifer Forrester*, University of Michigan - Dearborn; Monica Shihadeh, University of Michigan - Dearborn; Christy Steffke, University of Michigan - Dearborn; Jacob Napieralski, University of Michigan - Dearborn, *Analysis of Heavy Metal Concentrations in Suspended Sediments of the Lower Rouge River, Michigan.*

2:50 Bitna Yeon*, *Effects of human activities on ecosystems in wetlands: Implication for Wetlands of Madrid in Spain.*

2:55 April Karen Baptiste, Ph.D.*, Colgate University, *A Tale of Two Smelters: A Struggle for Environmental Justice in Trinidad and Tobago.*

3:00 Christine McMichael, Ph.D.*, Morehead State University, School of Public Affairs; Robert Johnson, Doctoral Student, University of Louisville, Department of Biology; David Smith, Ph.D., Morehead State University, Department of Biology and Chemistry, *Relationships between land use/land cover and stream macroinvertebrate communities at three spatial scales.*

3:05 Shae R Luther*, Texas State University-San Marcos, *Field-based Watershed Education Programs at the Secondary Level.*

3:10 Kristin L. Travis*, Clark University, *Explaining Residential Water Use in Northeastern Massachusetts with Mapping and Surveys.*

3:15 James J. Manuel*, Shippensburg University, *The implementation of a long-term monitoring system on the restored Conococheague Creek following the removal of Birch Run Dam.*

3:20 Christy Steffke*, University of Michigan-Dearborn; Jacob Napieralski, PhD, University of Michigan-Dearborn, *Development of a Water Column Cover to Characterize Suspended-sediments in the Lower Branch of the Rouge River.*

3:25 Ross J Guida*, University of Nevada- Las Vegas Department of Environmental Studies; Zhongwei Liu, Ph.D., University of Nevada- Las Vegas; Haroon Stephen, Ph.D., University of Nevada- Las Vegas; Scott Abella, Ph.D., University of Nevada- Las Vegas; William James Smith, Jr., Ph.D., University of Nevada- Las Vegas, *Modeling vegetation communities in the Newberry Mountains, southern Nevada: Climate change implications and habitat management policies.*

4550. Geographies of Imprisonment I: Penal Experience in Comparative Perspective

Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Dominique Moran, University of Birmingham

CHAIR(S): Deirdre Conlon, Emerson College

2:40 Dominique Moran*, University of Birmingham, *Crime and Punishment: Russia's Penal Geography.*

3:00 Matthew Mitchelson*, University of Georgia, *Up the River (from Home): Narrating Incarceration-as-Migration.*

3:20 Jennifer Turner*, Aberystwyth University, *Displacing Landscapes of Incarceration: Spectacle, Crime and Punishment in the TV Sitcom.*

3:40 Julie de Dardel*, University of Neuchatel, *The International Circulation of the US Prison Model: Impacts in Colombia.*

Discussant(s): Deirdre Conlon, Emerson College

4551. Intersections of creativity: The Geographies of Creative Industries and Cultural Practices 2: Geographies of Creative Practices

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

ORGANIZER(S): Harriet Hawkins; David Harvey, University of Exeter (UK)

CHAIR(S): Nicola Thomas

2:40 Dydia DeLyser*, Louisiana State University, *Illuminating landscape and recovering representation: Alert Lite and the practices of neon..*

3:00 Bethany Rogers*, Louisiana State University, *"That place goes along with what we do:" Creative practices in architectural spaces in post-Katrina New Orleans.*

3:20 Amanda Rogers*, Department of Geography, Royal Holloway, University of London, *"Spreading Theatrical Wings": The transnational circulation of creative practice..*

3:40 Evelyn Owen*, Queen Mary, University of London, *Geographies of contemporary African art.*

Discussant(s): Dominic J. Power

4552. The Quickening Pendulum: Capitalism and the Longue-Durée (In Honor of Giovanni Arrighi) II (Sponsored by Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)

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

ORGANIZER(S): Francesca Manning, CUNY Graduate Center, The Albatross; Laurel Mei Turbin, CUNY Graduate Center

CHAIR(S): Francesca Manning, CUNY Graduate Center, The Albatross

Discussant(s): Neil Smith, City University of New York; Peter J. Taylor, Loughborough University

Panelists: Jason W. Moore; Beverly Silver, The Johns Hopkins University

4553. How do basic concepts shift in neoliberal projects? Evidence from the postsocialist world and beyond 3 (Sponsored by European Specialty Group, Russian, Central Eurasian, and East European Specialty Group)

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

ORGANIZER(S): Christian Sellar, University of Mississippi

CHAIR(S): Christian Sellar, University of Mississippi

2:40 Grigory Ioffe*, Radford University, *Geostrategic interest and democracy promotion: evidence from the post-Soviet space.*

3:00 Kathrin Horshelmann*, University of Durham, UK, *Being political after 'transition' - Memory and young people's responses to war.*

3:20 Irina Olimpieva*, Center for Independent Social Research, St. Petersburg, Russia; Oleg Pachenkov, Center for Independent Social Research, St. Petersburg, Russia, *Mutations of the Institute of Business-State Intermediaries in Post-Socialist Russia.*

3:40 Christian Sellar*, University of Mississippi; Laurel McEwen*, The American University of Paris, *Hard or Soft Border? European integration and EU led exclusion on the Western Ukrainian border..*

Discussant(s): Sonia Hirt, Virginia Tech

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- 4554. Climate Change, Vulnerability and the Planning of Cities: No Challenges in Europe Stand in Isolation (Sponsored by Cultural and Political Ecology Specialty Group, Urban Geography Specialty Group, European Specialty Group)**

Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Byron A. Miller, University of Calgary
 CHAIR(S): Byron A. Miller, University of Calgary
2:40 Ronan Uhel*, European Environment Agency, *Climate Change, Vulnerability and the Planning of Cities: No Challenges in Europe Stand in Isolation*.
 Discussant(s): Roger Keil, York University; David C. Gibbs, University of Hull; Diana M. Liverman, University of Arizona/University of Oxford

- 4555. Perspectives on Geographic Complexity (4): Agent-Based Modeling and Sustainability Science (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group)**

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Tom Evans, Indiana University
 CHAIR(S): Steven M. Manson, University of Minnesota
2:40 Qing Tian*, University of Michigan; Dan Brown, University of Michigan, *Exploring the Dynamics of Sustainability of Coupled Human-Environment Systems using Agent-based Modeling: A Case Study in the Poyang Lake Region of China*.
3:00 Dawn C. Parker*, University of Waterloo; Daniel G. Brown, Professor, University of Michigan; Tatiana Filatova, Post-doctoral Researcher, University of Twente; Rick Riolo, Research Scientist, University of Michigan; Derek T. Robinson, Post-doctoral Researcher, University of Michigan; Shipeng Sun, Post-doctoral Researcher, University of Minnesota, *A first assessment of the role of land-market dynamics in agent-based land exchange models*.
3:20 David A. Bennett*, Department of Geography, University of Iowa; Wenwu Tang, Department of Geography and National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign, *Modeling the Sustainable Use of Common-Pool Resources Using Spatially Aware Intelligent Agents*.
3:40 Luis E. Fernandez*, Carnegie Institution for Science, *A Coupled Agent Based Model Platform Examining the Sustainability of Biofuels Production in the Brazilian Cerrado*.
4:00 Stephen J. Walsh*, University of North Carolina at Chapel Hill; Carlos F. Mena, Universidad San Francisco de Quito, *Land Use Change on Household Farms in the Ecuadorian Amazon*.

- 4556. Topological Space/Time: 'Mapping' Transformative Properties and Collective Geographies**

Room: Blue Room, Omni Shoreham (Paper Session)
 ORGANIZER(S): Katharine Hall, University of Minnesota
 CHAIR(S): Garnet Kindervater, University of Minnesota - Minneapolis
2:40 Ting-Jieh Wang*, King's College London, *The Irreal Space*.
3:00 Maria Bertrand*, Universidad De Chile, *The Space Where We Live. geometry, analysis situs, passages in M. Serres works*.
3:20 Katharine Hall*, University of Minnesota, *Topological spaces/times of the common*.
3:40 Nicholas Max Handler*, University of Minnesota, *Mechanical clouds: design, function, and topology of trawl nets*.

- 4560. Climate, Transportation and the Urban Environment**

Room: Chairman, Omni Shoreham (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Noriyuki Sato, California State University, Chico
2:40 Tianna A Bogart*, University of Delaware; Brian Hanson, PhD, University of Delaware, *Urban Influence in a Global Climate Model*.
3:00 Ian B. Strachan, Prof.*, McGill University; Onil Bergeron, Ph.D., McGill University, *Energy and Carbon Exchanges Along an Urbanization Gradient in Montreal, Canada*.
3:20 William C. Pompeii II, LA*, Shippensburg University-Student; Timothy W Hawkins, Shippensburg University, *Assessing Urban Heat Island Mitigation using Green Roofs: A Hardware Scale Modeling Approach*.
3:40 David Jaroszweski*, University of Birmingham, *Assessing the potential impact of climate change on transportation: The need for an interdisciplinary approach*.
4:00 Noriyuki Sato*, California State University, Chico, *Geographical Analysis of Climate Variability in Climate Division of California: Impacts on Transportation Planning*.

- 4563. Planning Challenges in the New Millennium**

Room: Council, Omni Shoreham (Paper Session)
 ORGANIZER(S): Luis D. Sanchez, University of Puerto Rico; Carlos J. Guilbe, University of Puerto Rico
 CHAIR(S): Carlos J. Guilbe, University of Puerto Rico
2:40 Carlos J. Guilbe*, University of Puerto Rico, *Delimitation of the Planning Regions of Puerto Rico*.
3:00 Carlos Jose Reyes De Jongh*, University of Puerto Rico at Rio Piedras; Christian W Lopez Camacho, University of Puerto Rico at Rio Piedras, *Climate change and global warming perceptions, community impacts and mitigation responses in Puerto Rico*.
3:20 Bernice M. Echevarria Rojas*, *The Geography and Perception of Crime and Violence in Urban Puerto Rico*.
3:40 Omar Perez-Figueroa*, Student, *Water Crisis: Lack of planning or natural disaster*.
4:00 Angel David Cruz Baez*, University of Puerto Rico, *Puerto Rico's new challenges: a call to geographers*.

- 4565. International Migration and Development (Sponsored by Population Specialty Group, Latin America Specialty Group)**

Room: Director's, Omni Shoreham (Paper Session)
 ORGANIZER(S): Lindsey Carte, University of Texas at Austin; Rebecca Torres, University of Texas at Austin
 CHAIR(S): Rebecca Torres, University of Texas at Austin
2:40 Ia Iashvili*, The University of Montana (U.S.A.), Tbilisi State U. (Georgia), *Transnational Migrant Households: Case of Georgia*.
3:00 Garret Maher*, National University of Ireland, Galway, *The Brazilian Labour Force in Ireland: Transnational Migration and Migrant Remittances*.
3:20 Lindsey Carte*, University of Texas at Austin, *Social mobility and emigration in the state of Chiapas, Mexico*.
3:40 Rebecca Maria Torres*, University of Texas at Austin, *Impacts of Migration on the "Left Behind" in Rural Mexican Communities*.
 Discussant(s): Cynthia Pope, Central Connecticut State University

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- 4566. Right to the City: changing urban social dynamics in globalizing China-2 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, China Specialty Group)**
Room: *Embassy, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Guo Chen, Michigan State University; Shenjing He, Sun Yat-Sen University
 CHAIR(S): Guo Chen, Michigan State University
2:40 Cindy Fan*, UCLA; Siqi Zheng, Tsinghua University, *Living on the Margins: Migrants in Beijing's Urban Villages*.
3:00 Daniel You-Ren Yang*, Department of Sociology, Tunghai University, *Beyond the factory regime? The role of informal settlement in integrating the factory daughters into urban life: The case of urban villages in suburban Shenzheng, China*.
3:20 Jia Feng*, Michigan State University, *Finding Henan Village Development of a Migrant Enclave in Beijing*.
3:40 Lili Wang*, Ohio State University, *Conflicts and Struggles over Living Space: Home-Owners' Committees in Chinese Cities*.
 Discussant(s): Weiping Wu, Virginia Commonwealth University
- 4567. Rethining Regionalization and Cross-Border Connections in the Upper Mekong**
Room: *Empire, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Janet Sturgeon, Simon Fraser University
 CHAIR(S): Janet Sturgeon, Simon Fraser University
2:40 Yayoi Fujita Lagerqvist*, University of Chicago, *Resilience of rural farmers: smallholder rubber expansion and transboundary network in northern Laos*.
3:00 Janet C Sturgeon*, Simon Fraser University, *Rethinking Regionalization between China and Laos*.
3:20 Kevin Woods*, University of California, Berkeley, *Rubber and Counter-Insurgency Development in the Burma-China Borderlands*.
 Discussant(s): Jim Glassman, University of British Columbia
- 4568. Geographies of Privilege (Sponsored by Geographic Perspectives on Women Specialty Group)**
Room: *Forum, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Bradley Gardener, SUNY - Binghamton
 CHAIR(S): Bradley Gardener, SUNY - Binghamton
2:40 Doreen Fumia*, Ryerson University, *Heritage, High Rise and Neighbourhood Boundaries in the DTES of Toronto*.
2:57 Jennifer L Johnson*, Laurentian University, *Gender and Nation: Elite Spaces of Work as Regulatory Nodes in the Global Economy*.
3:14 Serin D Houston*, Syracuse University, *Revitalizing and Redefining the City: Seattle and its Sustainability and Social Justice Endeavors*.
3:31 Janet Gray, PhD*, The College of New Jersey, *Privilege, World-Travelling, and Anti-Conquest: Feminist Researcher Meets Lady Pioneer*.
3:48 Joseph Nevins*, Vassar College, *Academic Jet-setting in a Time of Climate Destabilization: Ecological Privilege, the AAG, and Professional Geographers*.
- 4571. The Spatial Organization of the 'Regional City' II**
Room: *Palladian, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Martijn J. Burger, Erasmus University Rotterdam; Frank Van Oort, Utrecht University
 CHAIR(S): Evert Meijers, Delft University of Technology
2:40 Bumsoo Lee*, University of Illinois at Urbana-Champaign, *The Determinants of Spatial Structure in US Metropolitan Areas*.
3:00 Frank G. Van Oort*, Utrecht University; Martijn J. Burger, Erasmus University; Evert J. Meijers, Technical University Delft, *Functional versus Sectoral Specialization in U.S. Metropolitan Areas 1980-2007*.
3:20 Kerstin Enflo, Lund University, Sweden; Martin Svensson Henning*, Lund University, Sweden, *Core and Periphery in a Long-Run perspective: (In)stability of the Regional System over the Industrial Revolutions*.
3:40 Rafael Boix Domenech*, IERMB; Joan Trullén, IERMB; Vittorio Galletto, IERMB, *Networks of cities and spatial patterns of innovation in the metropolitan areas in Spain*.
- 4572. Spatial Analysis and Modeling for Bio and Ecological Studies**
Room: *Senate, Omni Shoreham* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Kang Shou Lu, Towson University
2:40 Sarah L Hession*, Michigan State University, *Prediction in Data-Scarce Environments: Introducing New and Improved Spatially Explicit Methods*.
3:00 Scott M Shupe, PhD*, University of the Fraser Valley, *Statistical and Spatial Analysis of the impact of land cover on stream health within Greater Vancouver, British Columbia area watersheds*.
3:20 Kang Shou Lu, Ph.D.*, Towson University, *Mapping and Predicting Annual Change of Impervious Surface under the Constraint of Parcel Boundaries*.
3:40 Jill S. Heaton*, University of Nevada, Reno; Xin Miao, Missouri State University; Patricia Cashman, University of Nevada Reno; David Charlet, College of Southern Nevada; Heather Green, University of Nevada Reno; Abbey Grimmer, University of Nevada Reno; Karin Hoff, University of Nevada Reno; P. K. House, University of Nevada Reno; Dan Kozar, University of Nevada Reno; Justin Skord, University of Nevada, Reno; Jim Trexler, University of Nevada Reno, *Surficial and Bedrock Geologic Constraints on Mojave Desert Vegetation*.
- 4573. Representing Production in New Food and Resource Regimes**
Room: *Marriott Ballroom Salon 2, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Laura Sayre, Institut National De La Recherche Agronomique; Karen Hebert, Yale University
 CHAIR(S): Nathalie JOLY, Institut National De Recherche Agronomique/AgrosupDijon
2:40 Karen Hebert*, Yale University, *Paperwork and Production in a Southwest Alaskan Salmon Fishery*.
3:00 Laura Sayre*, LISTO Dijon, Institut National de la Recherche Agronomique; Nathalie Joly, AgroSup Dijon, Institut National de la Recherche Agronomique, *Farmers facing traceability: Case studies from Burgundy, France*.
3:20 Shaila Seshia Galvin*, Yale University, *Mirrors of the Field: Documentary Practices and Organic Productions in Uttarakhand, India*.
3:40 Peter Vandergeest*, Anusorn Unno, University of Washington, *A New Extraterritoriality: Legitimacy and illegitimacy in aquaculture certification in the global south*.
 Discussant(s): E. Melanie DuPuis

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- 4574. Transportation, Development, and Environmental Impacts**
Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jeremy Peichel, Center for Integrative Environmental Research - University of Maryland
- 2:40** Geoff Edwards*, University of Delaware; Robert Warren, Ph.D., University of Delaware, *Engagement in Economic Development by Transportation Planning and Operating Agencies within the Northeast Corridor.*
- 3:00** Angela Antipova*, LSU; Fahui Wang, *Urban structure and commuting patterns in Baton Rouge MSA.*
- 3:20** Charles C Layman*, Florida State University, *Expanding the empirical analysis of land use changes in excess commuting and jobs-housing balance methodologies.*
- 3:40** Qisheng Pan*, Texas Southern University; Peter Gordon, University of Southern California; James Moore, University of Southern California; Harry Richardson, University of Southern California, *Modeling the Effects of the Regional Development Plans on Mobility and Economy.*
- 4:00** Jeremy J. Peichel*, Center for Integrative Environmental Research - University of Maryland; Sean R. Williamson, Center for Integrative Environmental Research - University of Maryland, *Visualization and Mitigation of Commuter Greenhouse Gases: A Case Study of the University of Maryland.*

- 4576. Mexican Migration to U.S.**
Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Michael Smart, University of California - Los Angeles
- 2:40** Robert L Heyman*, Macalester College, *Who Draws the Line in El Paso, Texas? Multiscalar Interactions and the Chances for Border Reform..*
- 3:00** Fernando Riosmena*, University of Colorado at Boulder; Douglas Massey, Princeton University, *Pathways to El Norte: Origins, Destinations, and Characteristics of Mexican Migrants to the United States.*
- 3:20** Michael A. Topmiller, M.A. *, University of Cincinnati; James Gerber, PhD, San Diego State University; Frederick J. Conway, PhD, San Diego State University, *US migration to Mexico: numbers, issues, and scenarios.*
- 3:40** Evelyn D. Ravuri*, Saginaw Valley State University, *Determinants of Intention to Return to Mexico for Mexican Immigrants in Seven U.S. Cities.*
- 4:00** Michael Smart*, University of California - Los Angeles; Evelyn Blumenberg, PhD, University of California - Los Angeles, *Neighborhood Choice and the Diversification of Immigrant Settlement Patterns in Los Angeles.*

- 4577. Remote Sensing of the Environment II**
Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Collin Homer, United States Geological Survey
- 2:40** Ruiliang Pu, PhD*, University of South Florida; Desheng Liu, PhD, The Ohio State University, *Segmented Canonical Discriminant Analysis of In Situ Hyperspectral Data for Identifying Thirteen Urban Tree Species.*
- 3:00** Raechel A. Bianchetti*, University of Idaho; Karen Humes, PhD, University of Idaho; Michael Jennings, PhD, University of Idaho, *Conifer Forest Species Mixture Classification using Remotely Sensed Spectral and Ground Data.*
- 3:20** Doug Goodin*, Kansas State University, *Land Cover Information from Object Spatial Properties.*

- 3:40** Collin Homer*, United States Geological Survey, *The National Land Cover Database, Current Status and Future Plans.*

- 4578. Mapping and Analyzing Health Issues**
Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): James Quinn, Columbia University, ISERP
- 2:40** Chien-Chou Chen*, UT Dallas; Michael Tiefseldorf, UT Dallas, *Estimation of Stratified Small Area Smoking Rates from Global Survey Rates.*
- 3:00** E James*, Student, *Place-based Environment: Mapping towards a healthier Urban Ecology.*
- 3:20** Dido Tsigaridi*, Harvard University, Graduate School of Design; Nicolas M Oreskovic, MD, Harvard Medical School; Moshe Bar, PhD, Massachusetts General Hospital; Suzanne L Charles, Harvard Graduate School of Design, *Use of Functional Neuroimaging to assess Effects of Viewing the Built Environment.*
- 3:40** Michelle M Vine, MA*, McMaster University; Susan J Elliott, PhD, McMaster University, *Obesity and the Adolescent Food Environment: A Meta-Analysis of Nutrition Programming in Canada.*
- 4:00** James Quinn, MA*, Columbia University, ISERP; Gina S. Lovasi, PhD, MPH, Columbia University, Department of Epidemiology, Mailman School of Public Health, *Residential Mobility Patterns and Characteristics Relevant to Childhood Health Effects in New York City.*

- 4579. Global Change**
Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Dorothy Ibes, Arizona State University
- 2:40** Erika N Trigoso Rubio*, Environmental Change Institute - Oxford University Centre for the Environment, *Spatial Analysis of Vulnerability in Puno, Peru.*
- 3:00** John Baldrige, ABD*, University of Arizona, *Argentina's Industrial Commons.*
- 3:20** Dorothy C. Ibes, Doctoral Student*, Arizona State University, *Urban Park Privatization and the Socio-Ecological Sustainability of Cities.*

- 4580. Tools, Modeling, and Environmental Visualization**
Room: Cleveland I, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Huajun Zhang, United States Geological Survey
- 2:40** Catherine Conrad, BA, MES, PhD*, Saint Mary's University, *Can a Fingerprint Reduce a Footprint? Experiences with Green Mapping.*
- 3:00** Frederick Meherwan Irani*, United States Geological Survey; Peter Revere Claggett, United States Geological Survey, *New USGS Tools for Assessing Landscape Change in the Chesapeake Bay Watershed.*
- 3:20** Huajun Zhang*, Harris IT Services Corporation contractor to the U.S. Geological Survey; Cassandra Mullinix, USGS; John Aguinaldo, Harris IT Services Corporation contractor to the U.S. Geological Survey; Paul Hearn, USGS, *A High Performance Geographic Visual Analytics Framework for Rendering Large Data Sets.*

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4602. Physical and Social Dimensions of Hazardous Weather III: Analyzing and Modeling Weather and Climate Hazards (Sponsored by Climate Specialty Group)

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Kenneth Blumenfeld, University of Minnesota; Richard W. Dixon, Texas State University

CHAIR(S): Kenneth Blumenfeld, University of Minnesota

4:40 Kenneth Blumenfeld*, University of Minnesota, *On the Frequencies of Tornadoes in Major US Central Business Districts.*

5:00 Richard W. Dixon*, Texas State University, *Texas Summer 2009: Drought and Flood.*

5:20 Margaret M Kovach*, University of North Carolina; Gretchen Carlson, University of North Carolina; Charles E Konrad, University of North Carolina, *The societal impacts of high winds that accompany inland-moving tropical cyclones across the southeastern U.S..*

5:40 Anji Seth, PhD*, University of Connecticut; Sara Rauscher, PhD, Los Alamos National Laboratory; Maisa Rojas, PhD, University of Chile; Alessandra Giannini, PhD, Columbia University; Suzana Camargo, PhD, Lamont Doherty Earth Observatory, *Global Monsoon Response to Greenhouse Warming.*

6:00 Brandon J. Vogt, PhD*, University of Colorado Colorado Springs, *Lightning and Landscape.*

4603. Social anxiety and the geographies of fear

Room: Delaware Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jonathan Everts, Universität Bayreuth; Benjamin Coles, University of Sheffield

CHAIR(S): Jonathan Everts, Universität Bayreuth

Introducer: Jonathan Everts

4:50 Qian Gong*, University of Sheffield, *Media Mediated Anxiety.*

5:10 Justin Spinney, Dr*, University of Surrey, *Domestic landfill? Mothballing and recirculation as anxiety-reduction strategies amongst laptop users.*

5:30 Chih Yuan Woon*, Royal Holloway, University of London, *Undoing Violence, Unbounding Precarity: Beyond the Frames of Terror and Fear in the Philippines.*

5:50 Jo Little*, University of Exeter, *Nature, Remoteness and Fearful Bodies.*

Discussant(s): Elizabeth C. Dunn, University of Colorado - Boulder

4604. Topics in Land Use Research III

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Andrew Roberts, City University of New York Graduate Center / New York Botanical Garden

4:40 Tracy Hunter Allen, Ph.D.*, SUNY-Oneonta, *Tibet: Landscape of Tradition and Change.*

5:00 Yujing XIE*, Department of Geography, The University of Hong Kong; Cho Nam Ng, Department of Geography, The University of Hong Kong, *Transdisciplinary analyses and evaluation of dynamic landscape fragmentation and ecological network: a study in Shenzhen River cross-border catchment.*

5:20 Gaoru Zhu*, 3361#, Yifu Building II, Peking University, Beijing, China; Xuegong Xu, 3361#, Yifu Building II, Peking University, Beijing, China; Yue Feng, Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing, China, *Land use pattern change of the New Coastal Area of Tianjin based on multi-fractal model.*

5:40 Qian Zhang*, Department of Human Geography, Stockholm University, *Ecological resettlement and rangeland use change in Inner Mongolia, China.*

6:00 Andrew S. Roberts*, City University of New York Graduate Center / New York Botanical Garden, *The hillock-depression complex: Land use in spatio-temporal context on the Tonle Sap floodplain, Cambodia..*

4605. Urban Bodies/Embodied Urbanism 3: Geographies, Rythms and Everyday Life (Sponsored by Geographic Perspectives on Women Specialty Group, Urban Geography Specialty Group, Cultural Geography Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Leslie Kern, Mount Allison; Craig Meadows, York University

CHAIR(S): Leslie Kern, Mount Allison

4:40 Lia Frederiksen*, University of Oregon, *The Social (Re) Production of Scale: Global Bodies, Local Power.*

5:00 Laura Shillington*, Independent Researcher, *Producing Urban Natures and Urban Bodies in Managua, Nicaragua.*

5:20 Bethan Evans*, Durham University, *Designing Out Fatness: Bodies/Cities and the Built Environment in Anti-Obesity Policy.*

5:40 Deborah McPhail*, PhD Student; Gwen Champan, PhD, UBC; Brenda Beagan, PhD, Dalhousie University, *Really a Fast Food Nation? Critiquing the "Obesogenic Environment" through a Qualitative Study in the Canadian Context.*

4607. B/ordering Europe: Internal and external borders in the European Union II (Sponsored by European Specialty Group, Political Geography Specialty Group, Qualitative Research Specialty Group)

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

ORGANIZER(S): Celia (Luna) Vives-Gonzalez, University of British Columbia; Maria Lois, Prof. University Complutense

CHAIR(S): Celia (Luna) Vives-Gonzalez, University of British Columbia

4:40 Doris Wastl-Walter, Prof. Dr.*, University of Berne, Switzerland, *Searching for neighbours: Opportunities and Challenges in Central Europe.*

4:55 Jennifer Lynn Titanski, MA-Candidate*, West Virginia University, *Ethnicity, Nationalism, and Boundaries in a "European" Croatia.*

5:10 Bostjan Rogelj*, Filozofska Fakulteta, Slovenia and *Borderless Europe.*

5:25 Lindsay N. Turner*, University of British Columbia, *From Control to Management?: EU Border Policy.*

Discussant(s): Guntram Herb, Middlebury College

SATURDAY, APRIL 17 • 4:40 PM - 6:20 PM • 4600**4608. Land Use Change and Watershed Assessment IV (Sponsored by Water Resources Specialty Group, Biogeography Specialty Group, Remote Sensing Specialty Group)**

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Xiaojun Yang, Florida State University; Liding Chen, Research Center For Eco-Environmental Sciences, CAS

CHAIR(S): Yaning Chen

4:40 Zhihui Liu*, Xinjiang University, *Runoff Simulation in Jinghe Basin with climate change.*

5:00 Changchun Xu*, School of Resources and Environmental Science, Xinjiang University; Yaning Chen, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Yapeng Chen, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences; Weihong Li, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Response of water resources to global change in northwestern China: a case study in the Tarim River basin.*

5:20 Yaning Chen*, The Key Laboratory of Oasis Ecology and Desert Environment, Chinese Academy of Sciences; Changchun Xu, School of Resources and Environmental Science, Xinjiang University, China; Xingming Hao, The Key Laboratory of Oasis Ecology and Desert Environment, Chinese Academy of Sciences; Yapeng Chen, The Key Laboratory of Oasis Ecology and Desert Environment, Chinese Academy of Sciences, *Climate Change and Runoff Responses: Adaptive Needs to Climate Change in the Tarim River, Northwestern China.*

5:40 Liding Chen*, State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, P.R. China; Wei Wei, State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, P.R. China; Lei Yang, State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, P.R. China; Yan Ma, State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, P.R. China, *Integrated Ecosystem Management for Sustainable Development in the Loess Plateau, China.*

4609. The Hydrosocial Cycle: Between Hydrology and Critical Social Science 2

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Jamie Linton, Queen's University; Rachael McDonnell, University of Oxford

CHAIR(S): Jessica Budds, The Open University

4:40 Jamie Linton*, Queen's University, *The Hydrologic Cycle and the Hydrosocial Cycle: Water Management and Water Governance.*

5:00 Sara Fernandez*, *The resistible rise of the « minimum flow requirements » (MFR).*

5:20 Louise Noble, PhD*, University of New England, Australia, *Wet Dreams and Schemes: The Drowning of Australia.*

5:40 Lindsey Jo McEwen, Professor*, University of Gloucestershire; Owain Jones, Dr, Countryside and Community Research Institute, University of West of England, *Intimate Knowledge: Building local/lay knowledge and sense of place into Flood Resilience planning after the July 2007 floods in the UK.*

6:00 Michel Meybeck*, CNRS; Laurence Lestel, CNRS; Sabine Barles, Université Paris 8; Gilles Billen, CNRS, *River Water Quality and society interaction: the Seine River (France) example in the 20th century.*

4610. The Animal in Capitalism (Sponsored by Animal Geography Specialty Group)

Room: Maryland Suite C, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Jacque (Jody) L. Emel, Clark University

CHAIR(S): Jacque (Jody) L. Emel, Clark University

Introducer: Jacque (Jody) L. Emel

Panelists: Gail Davies, University College London; Connie Johnston, Clark University; Harvey Neo, National University of Singapore; Mara Miele; David Lulka

4611. Geographic Contexts of Global Health

Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)

ORGANIZER(S): Nathan Heard, U.S. Department of State; John R. Spencer, University of North Carolina

CHAIR(S): Nathan Heard, U.S. Department of State

4:40 Clara R Burgert, MPH*, Blue Raster, LLC, *Web-based Mapping for Better Decision Making in Global Health.*

4:45 Eric Green, Ph.D.*, NYU School of Medicine; Virginia Rieck, Duke University; Eve Puffer, Ph.D., Duke University; Sherryl Broverman, Ph.D., Duke University, *Community Health and Activity Mapping Project.*

4:50 Nathan Heard, DSc*, U.S. Department of State; Joshua Comenetz, Ph.D., U.S. Census Bureau; Timothy B. Fowler, U.S. Census Bureau; Robert M. Leddy, U.S. Census Bureau, *Linking population and population-based HIV surveillance data at subnational levels: technical considerations for HIV/AIDS program implementation.*

4:55 Douglas C. Hsu, Consultant*, DevInfo Support Group; Nicolas Pron, DevInfo Global Administrator, UNICEF; Kris S. Oswalt, Executive Director, DevInfo Support Group, *Using DevInfo to Support Health Program Decision Making.*

5:00 Andrew David Inglis, MS*, ICFMacro; Kibet Surgon, Dr, Ministry of Public Health and Sanitation; Paul Krystall, Senior Advisor, *Establishing a geo-coded master facility list in Kenya for mapping routine health facility data.*

5:05 John R. Spencer*, University of North Carolina, *Bringing the health sector to the NSDI table in Africa.*

5:10 James Stewart*, MEASURE Evaluation, Carolina Population Center, *Thematic Mapping using Excel and Google Earth.*

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- 4612. Rethinking Islandness III: Discursive Spaces and Tidalectics in Island Worlds (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Joseph Palis, University of North Carolina at Chapel Hill; Susan P. Mains, University of the West Indies-Mona
 CHAIR(S): Joseph Palis, University of North Carolina at Chapel Hill
 4:40 Jean Yves R Merilus, Master Student*, Miami University, *Haitian Immigrants in Dominica: peaceful coexistence rather than scapegoating.*
 5:00 Angela Cacciarru*, University of North Carolina at Chapel Hill, *Hybrid Land Tenure Regimes and the Flexibility of Local Practices - A Case Study of Sardinia, Italy.*
 5:20 Tina Mangieri*, Champlain College, *Emergenc(ies) along Palau's Compact Road.*
 5:40 Chris Castagna*, Sonoma State University, *A Place of Forests: Selected Maori Perspectives on Changes to Land.*
 Discussant(s): Amy L McCleary, University of North Carolina at Chapel Hill
- 4613. Society, landscape, and politics (Sponsored by European Specialty Group, Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Kara Dempsey, University of Wisconsin-Madison
 CHAIR(S): Kara Dempsey, University of Wisconsin-Madison
 4:40 Stephanie Wilbrand*, University of Girona (Spain), *Landscape, Territory and Civil Society in Catalonia (Spain).*
 5:00 Richard L. Wolfel*, US Military Academy, *Ideology and War memorials: War memorials in Post Soviet regions..*
 5:20 Kara E Dempsey*, University of Wisconsin-Madison, *Politics "grounded" in place: Discourses of representation and politics on the European landscape.*
 5:40 Hannu Linkola*, Academy of Finland / University of Helsinki, *10 steps across Finland - Political content of the book series Suomenmaa (1919-1932).*
 6:00 Donald J. Zeigler*, Old Dominion University, *Pole Banners and the Creation of Social Space.*
- 4614. Rural labourers under neoliberalism in the Third World (Sponsored by Development Geographies Specialty Group, Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)**
Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Raju J. Das, York University
 CHAIR(S): Marie Javdani, University of Oregon
 4:40 Rohit Negi*, University of Illinois at Urbana Champaign, *Capital, Ethnicity and Rural Labor in North Western Zambia.*
 5:00 Ritika Shrimali*, York University, *"We are cheap and (mostly) replaceable": The plight of rural labour in Indian Agriculture.*
 5:20 Raju J. Das*, York University, *Working long hours for low wages: The Case of Aqua-laborers in Orissa, India.*
- 4615. Educating a Workforce Literate in Geospatial Cyberinfrastructure (Sponsored by Cyberinfrastructure Specialty Group, Geography Education Specialty Group)**
Room: Park Tower 8212, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Robert Raskin, Jet Propulsion Lab
 CHAIR(S): Robert Raskin, Jet Propulsion Lab
 4:40 David A. Merwin*, Framingham State College, *Teaching Geo-spatial Technologies Within the Framework of a Campus-wide Climate Action Plan.*
- 5:00** Lisa Marie Jordan*, Florida State University, *Integrating GIS into Medical Geography and Public Health Curricula.*
5:20 Jacqueline Gallagher, Ph.D.*, University of Mary Washington, *Fieldwork using GPS and mobile GIS: practical considerations.*
5:40 Claire Jarvis, Dr*, Department of Geography, University of Leicester UK; Jennifer Dickie, Dr, Department of Geography, University of Leicester, *Developing spatial literacy: Reflections on geovisualization as a representational aid.*
6:00 Grant Kleeman, PhD*, Macquarie University, *Evolution rather than extinction: The future of the Geography textbook.*
- 4616. Beyond the Bachelor's: Promoting and Preparing Undergraduates for Graduate School (Sponsored by Graduate Student Affinity Group, Enhancing Departments and Graduate Education project (EDGE))**
Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Patrick May, Plymouth State University; Geoffrey L. Buckley, Ohio University
 CHAIR(S): Patrick May, Plymouth State University
 Panelists: Karl Byrand, University of Wisconsin-Sheboygan; Jasper Rubin, San Francisco Planning Department; Stephen Mulherin, California State University; Geoffrey L. Buckley, Ohio University; Dawn S. Bowen, University of Mary Washington; Joseph T. Manzo, Concord University
- 4617. Migration, Health and Wellbeing: Beyond the Biomedical**
Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Felicity Thomas, Institute of Education, University of London; Jasmine Gideon, Birkbeck College, University of London
 CHAIR(S): Felicity Thomas, Institute of Education, University of London
 4:40 Meghann Elizabeth Ormond*, University of St Andrews, *The expediency of culture in the scripting of Malaysia as a medical travel destination.*
 5:00 Jasmine Gideon, Dr*, Birkbeck College, University of London; Jasmine Gideon, Dr, Birkbeck College, University of London, *Migrants' access to health care: the case of Latin Americans in London..*
 5:20 Anne Cécile Hoyez, PhD*, CNRS, *Migration, Health and Wellbeing: Comparative perspectives from Britain and France.*
 5:40 Beth Kangas*, Oakland University, *Religious Centers and Circulations: Bioethical Decision-Making among Michigan's Arab Muslim Population.*
 6:00 Felicity Thomas*, Institute of Education, University of London, *Mobile medicaments: the use of 'African' treatments amongst HIV positive migrants in the UK.*
- 4618. Author Meets Critics: "Migration" by Michael Samers (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: Park Tower 8222, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Patricia Ehrkamp, University of Kentucky
 CHAIR(S): Patricia Ehrkamp, University of Kentucky
 Panelists: David F. Ley, University of British Columbia; Johanna L. Waters, University of Liverpool; Harald Bauder, Ryerson University; Caroline Nagel, University of South Carolina; Richard A. Wright, Dartmouth College; Michael Eric Samers, University of Kentucky

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- 4619. Urbanization, Environment, and Sustainability (II): Form and Process (Sponsored by Urban Geography Specialty Group, China Specialty Group, Remote Sensing Specialty Group)**
Room: Thomas Paine, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Qihao Weng, Indiana State University
 CHAIR(S): Honglin Xiao, Elon University
4:40 Andrew Crooks, Dr*, George Mason University; Duncan A Smith, University College London, *From Buildings to Cities: Techniques for the Multi-Scale Analysis of Urban Form and Function.*
5:00 Wenze Yue*, Zhejiang University; Peilei Fan, Michigan State University; Jiaguo Qi, Michigan State University, *Spatial differentiation and the coupled development of economy and environment of Chinese cities: the case of Shanghai.*
5:20 Bo Malmberg, Professor*, Dept of Human Geography, Stockholm University; Michael Nielsen, Dept Human Geography, Stockholm University, *Population Growth and Urban Development: Evidence from Landsat Data.*
5:40 Annemarie Schneider*, University of Wisconsin, Madison; Karen Seto, Yale School of Forestry & Environmental Studies; Kurt Paulsen, University of Wisconsin-Madison Department of Urban and Regional Planning, *Monitoring urban sprawl in China in the post-reform period, 1978-2010.*
6:00 Haiyan Zhang*, Rutgers University, *Energy Efficiency Difference in China 1987-2005: An Interregional Decomposition Analysis.*
- 4620. Indigenous Peoples knowledges and practices: A resource for addressing climate change (Sponsored by Rural Geography Specialty Group, Indigenous Peoples Specialty Group)**
Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Renee Pualani Louis, University of Hawaii
 CHAIR(S): Renee Pualani Louis, University of Hawaii
4:40 Jose Aguto*, National Congress of American Indians, *Indigenous Peoples knowledges and practices: A resource for addressing climate change.*
- 4622. Geographies of Slavery: Theoretical and Empirical Innovations (Sponsored by Africa Specialty Group, Study of the American South Specialty Group, Historical Geography Specialty Group)**
Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Derek H. Alderman, East Carolina University; G. Rebecca Dobbs, University of North Carolina at Chapel Hill
 CHAIR(S): G. Rebecca Dobbs, University of North Carolina at Chapel Hill
4:40 Katherine Stevens*, Harvard University, *Cimarrones: Horse Power and Slave Power in the Expansion of Slavery.*
5:00 David Lambert, Reader in Historical Geography*, Royal Holloway, University of London, *Worlds with(out) slavery that might have been: Conjectural geographies from the underdevelopment of Africa to the slavery reparations movement.*
5:20 Lisa B. Randle*, University of South Carolina, *'Over'looking the African American Landscape along the East Branch of the Cooper River, Berkeley County, South Carolina, 1783 - 1820.*
5:40 Daniel P. Hopkins*, University of Missouri - Kansas City, *Demographic and Cartographic Reconstruction of the Slave-Plantation Economy of St. Croix (now in the U. S. Virgin Islands) in Atlantic Context..*
6:00 Terri Moreau*, East Carolina University, *Slaves in Utopia: Where do we begin?.*
- 4623. The new rurality of Mexico: Institutions, adaptations, and livelihoods (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Latin America Specialty Group)**
Room: Coolidge, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Amy M. Lerner, University California, Santa Barbara; Beth Bee, Pennsylvania State University
 CHAIR(S): Beth Bee, Pennsylvania State University
4:40 Amy M. Lerner*, University of California, Santa Barbara, *Landscapes and livelihoods on the urban fringe: The role of maize production in the rural-urban interface of the Toluca Valley, Mexico.*
5:00 Heidi Eileen Hausermann*, University of Arizona, *Privatizing the Commons for Community Development: The Case of a Mexican Ejido.*
5:20 Claudia A. Radel*, Utah State University, *Environment, Migration and Gender in Calakmul, Mexico.*
 Discussant(s): Hallie Eakin, Arizona State University
- 4624. Critical Views of Militarism/ Militarization-PANEL (Sponsored by Geographic Perspectives on Women Specialty Group, Qualitative Research Specialty Group)**
Room: Harding, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Jennifer Fluri, Dartmouth; Lorraine Dowler, Penn State University
 CHAIR(S): Carolyn Gallaher, American University
 Panelists: Deborah Cowen, University of Toronto; Jenna M. Loyd, City University of New York; Tamar Mayer, Middlebury College; Melissa W. Wright, Penn State University
- 4625. Geography of Post-Fordism: Space**
Room: Hoover, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Waqar Ahmed, Mount Holyoke College; Ipsita Chatterjee, Geography and the Environment, University of Texas at Austin
 CHAIR(S): Richard Peet, Clark University
 Discussant(s): John R. Allen, The Open University
 Panelists: Stijn Oosterlynck, KU Leuven; David Slater, Loughborough University; Gordon MacLeod, University of Durham; Elaine Hartwick, Framingham State College; Kevin R. Cox, Ohio State University; Rupal Oza, Hunter College, CUNY
- 4626. Geographies of Education II: The Production and Consumption of Knowledge in Educational Spaces (Sponsored by Population Specialty Group)**
Room: Jackson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Kathy Reilly, National University of Ireland Galway, Ireland; Valerie Ledwith, National University of Ireland, Galway
 CHAIR(S): Kathy Reilly, National University of Ireland Galway, Ireland
4:40 Jasmin Kay*, York University, *Spaces of learning: adult ESL as citizenship practice.*
5:00 Naomi Adiv, M.S.*, CUNY Graduate Center, *Pedagogy and Field Methods in Human Geography.*
5:20 Christopher Riley*, Ohio State University - Geography, *Foucault and the Classroom: Calculating the Place of Public Education in the Neoliberal Era.*
5:40 Michael J Pirani, PhD*, North Carolina Central University, *Assessing Active Learning in an Introductory University Class.*
 Discussant(s): Valerie Ledwith, National University of Ireland, Galway

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4627. Geographies of Schools and Children

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Donnise Hurley

4:40 Ryan L. Hollon, MUPP*, University of Illinois at Chicago, Center for Urban Economic Development; Rachel Weber, University of Illinois at Chicago, *Making Sense of Modern Schools: Social Reproduction and the Financialization of Space*.

5:00 Elise Bowditch*, University of Washington, *Measuring Youth Who Aren't There: Tracking Truancy in Washington State*.

5:20 Marisia Margarida Santiago Buitoni, Prof. PhD*, Pontifical Catholic University of Sao Paulo, *Geography Textbooks for elementary school of nine years in Brazil*.

5:40 Donnise Hurley*, *A Window to the World: A Comparative Analysis of Environmental Information in Brazilian, English, and American Children's Literature*.

4628. Socio-Environmental Impacts on Mental Health

Room: Johnson, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Louisa Holmes, University of Southern California

4:40 Nikki A. Williams*, Texas A&M University, College Station, *Individual space/time paths: multi-scale influences on mental health*.

5:00 Louisa M. Holmes, PhD Student*, University of Southern California; Enrico A. Marcelli, PhD, San Diego State University, *The Sociogeography of Psychological Distress: Evidence from Legal and Unauthorized Brazilian Migrants in Metropolitan Boston*.

5:20 John L. Oliffe, University of British Columbia; Stephanie E. Coen*, University of British Columbia; Joy L. Johnson, University of British Columbia, *Northern exposure: Reconciling masculinities and men's depression*.

5:40 Sarah Curtis, DPhil, Professor of Health and Risk*, University of Durham, *'Ethnic density' and mental health: why is it important for geographies of mental health?*

4629. Climate change adaptation in developed nations (Sponsored by Applied Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): James Ford; Lea Berrang Ford, McGill University (Montreal, CA)

CHAIR(S): James Ford

Introducer: James Ford

Discussant(s): Lea Berrang Ford, McGill University (Montreal, CA)

Panelists: Christina Cook, University of British Columbia; Robert McLeman, University of Ottawa; Vivek Prasad, George Mason University VA; Tim Smith, University of the Sunshine Coast

4630. Critical Geographies of Climate Change Mitigation and Adaptation (Session II) (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jennifer L. Rice, University of Arizona and The Ohio State University; Kevin Grove, Ohio State University

CHAIR(S): David Lansing, University of Maryland Baltimore County

4:40 Kevin Grove*, Ohio State University, *Insuring "our common future"? The Biopolitics of Climate Change Adaptation*.

5:00 Jennifer L. Rice*, University of Arizona and The Ohio State University, *Making Carbon Count: Global Climate Change and Local Climate Governance in Seattle, Washington*.

5:20 Brian J. Gareau, Ph.D.*, Boston College, *Global mentalities, the Montreal Protocol and lessons for climatic governance*.

5:40 Brandon Derman*, University of Washington, *Production of impact and responsibility for adaptation: analyzing legal mobilization for climate justice*.

Discussant(s): Simon Dalby, Carleton University

4631. Does the spatial concentration of immigrants matter? Comparing European, North American, and Australian experiences. (Sponsored by Ethnic Geography Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): David H. Kaplan, Kent State University; Frederick Douzet, University of Paris 8

CHAIR(S): Frederick Douzet, University of Paris 8

Panelists: James Forrest, Macquarie University; Pablo Mateos; Fred Boal, Queen's University Belfast; David H. Kaplan, Kent State University; Sonia Lehman-Frisch, University of Cergy-Pontoise, France; Frederick Douzet, University of Paris 8

4632. Contributions to Geography: Remembering Gary Gaile (Sponsored by Development Geographies Specialty Group)

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Cort J. Willmott, University of Delaware

CHAIR(S): Cort J. Willmott, University of Delaware

Discussant(s): Anthony J. Bebbington, University of Manchester; Don Mitchell, Syracuse University; Edward Soja, UCLA; Sallie A. Marston, University of Arizona

Panelists: Richard A. Marston, Kansas State University; Diana M. Liverman, University of Arizona/University of Oxford; Brian King, The Pennsylvania State University; Jamie Gillen, Miami University-Ohio; William Clark, University of California - Los Angeles; Lucas Ward; Helen Ruth Aspaas, Virginia Commonwealth University

4633. Territory, nationalism, and homeland in political geography 2 (Sponsored by Russian, Central Eurasian, and East European Specialty Group, Political Geography Specialty Group)

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Edward Holland, University of Colorado at Boulder; Natalie R. Koch, U of Colorado, Boulder

CHAIR(S): Adam Levy

4:40 Matthew Allen Derrick*, Department of Geography, University of Oregon, *Placing Faith in Tatarstan: Islam, Politics, and Territory*.

5:00 Margareta A. Lelea*, UC Davis, *The Treaty of Trianon's 'Refugees': Ethnic Hungarians Along Romania's Western Border*.

5:20 Austen Thelen*, University of Kansas, *Identity and Place in the North Caucasus: National Perceptions of Homeland*.

5:40 Adam G. Levy*, University of Colorado-Boulder, *Mapping Moldovan-ness: A mixed-methodology for charting the banality and iconography of a nation-state*.

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Room: Taft, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Daniel Buck, University of Oregon
 CHAIR(S): Daniel Buck, University of Oregon
 Panelists: Daniel Buck, University of Oregon; Neil Smith, City University of New York; Scott Prudham, University of Toronto; Geoff Mann, Simon Fraser University

4635. Critical Urban Health Geographies (Sponsored by Economic Geography Specialty Group, Socialist and Critical Geography Specialty Group)

Room: Taylor, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Peter Hossler, University of Georgia
 CHAIR(S): Peter Hossler, University of Georgia
4:40 Peter Hossler*, University of Georgia, *Free Clinics, Catching Whom?: Contradictory Scalar Politics Embedded Within the Health Care Safety Net.*
5:00 Lindsey Dillon*, UC Berkeley, *Urban Health Inequities and the Politics of Proof.*
5:20 Patricia J Lopez, MA*, University of Washington, *Radical Urban Health Care: The Ethic of Care at Odessa Brown Children's Clinic.*
 Discussant(s): Michael P. Brown, University of Washington

4636. Fleming lecture in transportation geography (Sponsored by Transportation Geography Specialty Group)

Room: Thurgood Marshall EAST, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Richard L. Morrill, University of Washington
 CHAIR(S): Richard L. Morrill, University of Washington
4:40 Harvey J. Miller*, University of Utah, *Transparent Transportation and Mirror Worlds.*
 Introducer: Joe Weber
 Discussant(s): Richard L. Morrill, University of Washington

4637. Critical Heritage III: (Ir)responsible tours?

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Panel Session)
 ORGANIZER(S): Harg Luh Sin, Royal Holloway University of London; Claudio Minca, Royal Holloway - University of London
 CHAIR(S): Harg Luh Sin, Royal Holloway University of London
 Panelists: Katie Willis, Royal Holloway, University of London; Tim Edensor, Manchester Metropolitan University; James Sidaway, University of Amsterdam

4638. Seeing the trees through the buildings: the benefits and drivers of urban forests

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Tenley Conway, University of Toronto; Andrew Millward, Ryerson University
 CHAIR(S): Tenley Conway, University of Toronto
4:40 Andrew A Millward, Ph.D.*, Ryerson University Geography; Kamal Paudel, MSA, Credit Valley Conservation Authority; Suzanne Briggs, Ryerson University, MSA Candidate, *Ecological benefits of naturalization in a forested urban park.*
5:00 Adam Berland*, University of Minnesota; Steven M. Manson, University of Minnesota, *Urban forest ecosystem services along an urbanization gradient in the Twin Cities, MN.*
5:20 Eunice Alexander, West Chester University; Gary Coutu, West Chester University; Joy A. Fritschle, West Chester University; Joan M. Welch*, West Chester University, *Evaluating Campus Tree Benefits: CITYgreen and i-Tree.*

5:40 Christopher Sean Greene, MES, MSA, Ph.D. Candidate*, Ryerson University; Andrew A Millward, Ph.D., Ryerson University Geography, Toronto, Canada, *Urban Reforestation Client Characterization: Multinomial Regression Analysis of Participation in a Toronto-Based Backyard Tree Planting Program.*

6:00 Tenley M Conway, Associate Professor*, University of Toronto, *How Local Governments and NGOs Grow the Urban Forest: A case study of the Greater Toronto Area.*

4640. Latin America and Landuse

Room: Truman, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Bruce Pahl
4:40 Jennifer K Lipton, PhD*, Central Washington University, *Spatio-temporal patterns of anthropogenic and land cover change in the Peruvian Andes.*
5:00 Amy E Daniels, PhD*, US Forest Service, *Impacts of Payments for Environmental Services in Costa Rica: Are We Asking the Right Questions?.*
5:20 Richard Alan Sambrook, Ph.D.*, Eastern Michigan University; Rosanne Lorden, Ph.D., Eastern Kentucky University; Robert Mitchell, Ph.D., Eastern Kentucky University, *Ecotourism and Knowledge of Sea Lions: Visitors Verses Residents.*
5:40 Bruce M Pahl*, Masters Candidate, Geography Department, Western Michigan University, *Social Factors Involved in Determining Best Use Areas For Vetiver Grass In Rural Panama.*

4641. State and Fate of Frozen Ground and Periglacial Environments (Sponsored by Climate Specialty Group, Geomorphology Specialty Group, Cryosphere Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Nikolay Shiklomanov, George Washington University; Oliver W. Frauenfeld, Texas A&M University
 CHAIR(S): Nikolay Shiklomanov, George Washington University
4:40 Jerry Brown*, *The Permafrost Legacy of the International Polar Year.*
4:55 Frederick E. Nelson*, University of Delaware; Nikolay I. Shiklomanov, George Washington University; Jerry Brown, Woods Hole, MA; Dmitry A. Streletskiy, University of Delaware, *Frozen Stiff: Recent Trends in Small-Scale Permafrost Mapping.*
5:10 Nikolay Shiklomanov*, George Washington University; Dmitriy Streletskiy, University of Delaware; Frederick Nelson, University of Delaware, *Ground subsidence and permafrost response to atmospheric forcing: results from field observations near Barrow, Alaska.*
5:25 Marco Jorge, PhD student*, Centro de Estudos Geográficos, University of Lisbon, Portugal; Gonçalo Vieira, PhD, Centro de Estudos Geográficos, University of Lisbon, Portugal; Miguel Ramos, PhD, Departamento de Física, University of Alcalá, Spain, *Spatial modelling of periglacial processes in Hurd Peninsula (Livingston Island, Antarctica).*
5:40 Nancy Doubleday*, McMaster University; Shawn Donaldson, Ph.D., Carleton University; Morgan Ip, M. Arch., Carleton University; Bryan Grimwood, Ph.D. Cand., Carleton University; Don Charette, Carleton University, *Photos and Plants Through Time:.*
5:55 Jeffrey McKenzie*, McGill University; Clifford Voss, U.S. Geological Survey; Michelle Walvoord, U.S. Geological Survey, *Freeze-Thaw and Groundwater Flow in Dynamic Permafrost Systems: Numerical Simulations.*

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- 4642. Geography for Life, 2nd Edition: Updated National Geography Education Standards**
Room: *Wilson A, Marriott, Mezzanine Level (Panel Session)*
 ORGANIZER(S): Susan Gallagher, Association of American Geographers
 CHAIR(S): Susan Gallagher, Association of American Geographers
 Discussant(s): Sarah Witham Bednarz, Texas A&M University
 Panelists: Joseph P. Stoltman, Western Michigan University; Susan Hume, Southern Illinois University Edwardsville
- 4643. The Use of Photography and Rephotography in Geomorphological Research and Teaching - Session 2: Quantitative Approaches (Sponsored by Biogeography Specialty Group, Geomorphology Specialty Group, Mountain Geography Specialty Group)**
Room: *Wilson B, Marriott, Mezzanine Level (Paper Session)*
 ORGANIZER(S): Mary Thornbush, Lakehead University, Orillia Campus; David R. Butler, Texas State University - San Marcos
 CHAIR(S): Carol F. Sawyer, University of South Alabama
 Introducer: Carol F. Sawyer
4:45 Mary J. Thornbush, PhD*, Lakehead University, Orillia Campus, *An Environmental History of Ivy and Creeper Use in Central Oxford, UK Extracted from Photoarchives.*
5:05 Sharolyn Anderson*, University of Denver; Mark Alan Fonstad, Texas State University, San Marcos; Brandon Vogt, University of Colorado - Colorado Springs, *Extending Quantitative Analysis of Historical Photographs.*
5:25 Colleen George*, University of Saskatchewan; William R. Wilson, PhD, Lakehead University, *Quantitative Analysis of Landscape Change using Repeat Photography: A Case Study of the Arid Environments of the Yangtze River Valley, NW Yunnan, China.*
5:45 Douglas J. Faulkner*, University of Wisconsin-Eau Claire; Elizabeth Ellison; Nicholas King; Amy Wichlacz, *Quantifying Channel Change from Aerial Photographs: a Case Study of the Chippewa River in Northwest Wisconsin.*
 Discussant(s): David R. Butler, Texas State University - San Marcos
- 4644. Case Studies in Historical GIS III**
Room: *Wilson C, Marriott, Mezzanine Level (Paper Session)*
 ORGANIZER(S): Program Committee
 CHAIR(S): Kelly Johnston, University of Virginia
4:40 Kelly Johnston*, University of Virginia, *Implementing an Open-Source GIS Data Portal.*
5:00 Susan Benston*, Western Michigan University, *Using GIS to describe and understand archaeological site distribution: Mapping Fort Saint Joseph.*
5:20 Jenna Christian*, University of Wisconsin - Eau Claire, *Disaggregating Conflict in Liberia: Evaluating Under-Representation of Rural Areas in Coded Conflict Data.*
5:40 Keith Bridge, MLIS*, NOAA\NOS Office of Coast Survey; Meredith Westington, NOAA\NOS Office of Coast Survey, *The NOAA Office of Coast Survey's Historical Map & Chart Collection: Steps to Implementing a Geospatial Database for Enhanced Discovery.*
- 4646. The Mobilities Lecture**
Room: *Lincoln Room 2, Marriott, Exhibition Level (Paper Session)*
 ORGANIZER(S): Kevin Hannam, University of Sunderland
 CHAIR(S): Kevin Hannam, University of Sunderland
4:40 Stephen Graham*, Durham University, *The Mobilities Lecture: 'Disrupted Cities: When Infrastructures Fail'.*
- 4647. An Economic Ethics for the Anthropocene (Sponsored by Economic Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Lincoln Room 3, Marriott, Exhibition Level (Panel Session)*
 ORGANIZER(S): Monica Varsanyi, City University of New York
 CHAIR(S): Monica Varsanyi, City University of New York
 Introducer: Trevor J. Barnes
 Panelists: Julie Graham, University of Massachusetts; Katherine Gibson, University of Western Sydney
- 4648. Teaching and Doing Urban Geography -- in memory of Larry Ford (Sponsored by American Geographical Society, Urban Geography Specialty Group)**
Room: *Lincoln Room 4, Marriott, Exhibition Level (Panel Session)*
 ORGANIZER(S): David J. Keeling, Western Kentucky University
 CHAIR(S): David J. Keeling, Western Kentucky University
 Panelists: Roman Cybriwsky, Temple University; Mona Domosh, Dartmouth College; Susan Hardwick, University of Oregon; Rickie Sanders, Temple University; Joseph S. Wood, University of Baltimore; Michael P. Conzen, University of Chicago; David J. Keeling, Western Kentucky University
- 4649. Ecological and Cultural Perspectives in Applied Biodiversity Conservation Research (Sponsored by Cultural and Political Ecology Specialty Group, Biogeography Specialty Group)**
Room: *Lincoln Room 5, Marriott, Exhibition Level (Illustrated Paper Session)*
 ORGANIZER(S): Kimberly Medley, Miami University Ohio
 CHAIR(S): Kimberly Medley, Miami University Ohio
4:40 Ingrid Haeckel*, University of Texas at Austin, *Modeling Species Abundance and Harvest Impacts of the Mexican Ceremonial Bromeliad Tillandsia imperialis (Bromeliaceae).*
4:45 Julianna L. Means*, Miami University, *The Role of Old Regrowth Forests for Avian Diversity Conservation in Southwestern Ohio Landscapes.*
4:50 Joseph Mukeka, Mr. *, Miami University; John Maingi, Dr., Miami University, *Analyzing the distribution of the African Elephant (Loxodonta africana) in Tsavo, Kenya.*
4:55 John K. Maingi*, Miami University, *Land Cover Dynamics in the Chyulu Hills, Southeastern Kenya: 1987-2008.*
5:00 Sammy Kaburi*, Miami University, *Community Perspectives on Fuel Resource Enrichment and Extraction along the Eastern Slopes of Mt. Kenya.*
5:05 Swetha Peteru*, Miami University, *Integrating Local Ecological Knowledge about Plants into Conservation Practice In Dominica, West Indies.*
5:10 Sushma Shrestha, PhD student*, Miami University, Oxford OH, *Global Localism at the Manaslu Conservation Area in the Eastern Himalayas, Nepal: Integrating scientific (ecological) and local (ethnobotanical) knowledge about plants for biodiversity conservation.*
5:15 Zhifang Wang*, Texas A&M University; Yanyi Li, Texas A&M University, *Strategies to overcome social constraints to integrate native habitats in urban areas for biodiversity.*

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4650. Geographies of Imprisonment II: Inside, between and beyond carceral spaces

Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Dominique Moran, University of Birmingham
 CHAIR(S): Dominique Moran, University of Birmingham
 4:40 Kelsey Nowakowski, Undergraduate Student*, Department of Geography and Regional Studies, University of Miami, *A Geographical Analysis of Inmate Labor: the circulation of toxic materials through Atwater Federal Prison.*
 5:00 Mamadou Coulibaly*, University of Wisconsin Oshkosh; Michael Burayidi, Ball State University, *Assessment and removal of prison's effect on the profiles of rural host communities.*
 5:20 Mason McWatters, PhD Student*, The University of Texas at Austin, *Testimonial Geographies of Confinement: Exploring the Limits of Representation.*
 5:40 Libbey C. Kutch*, University of North Texas; Joseph R. Oppong, University of North Texas; Chetan Tiwari, University of North Texas, *The impact of Texas Department of Criminal Justice prison facilities on the HIV/AIDS rates of the general community in Texas Counties.*
 Discussant(s): Carol Lynne Horiuchi, University of California Berkeley

4651. Intersections of Creativity: The Geographies of Creative Industries and Cultural Practices. 3: Spatialities of Creativity

Room: Washington Room 1, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Harriet Hawkins; Nicola Thomas
 CHAIR(S): David Harvey, University of Exeter (UK)
 4:40 Elizabeth Currid*, University of Southern California; Gilad Ravid, PhD, Ben-Gurion University of the Negev, *Star Markets in the Cultural Industries: An Empirical Network Analysis of Labor Pool Mobility in Los Angeles, New York and London.*
 5:00 Jon Swords*, Northumbria University, UK, *Territorial Containment and the Paradox of Place - Issues for the North East of England's Film and TV Industry.*
 5:20 Allen J. Scott*, University of California - Los Angeles, *Cultural Economy of Landscape: Pathways of Development in the English Lake District.*
 5:40 Harriet Hawkins*, University of Exeter; Nicola Thomas, University of Exeter; David Harvey, University of Exeter, *Spatialities of the creative sector: an island case study.*
 Discussant(s): Michael Storper, London School of Economics

4653. Relational Approaches to Knowledge and Innovation

Room: Washington Room 3, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Chris Collinge, Birmingham University; Laura James
 CHAIR(S): Mário Vale, University of Lisbon
 Introducer: Chris Collinge
 4:45 Chris Collinge*, Birmingham University, *The Appearance of Novelty: Innovation in Relational Perspective.*
 5:05 Henrik Mattsson*, Uppsala University, *Relational geography under the condition of corporeality.*
 5:25 James T. Murphy*, Clark University; Andrew Jones, Birkbeck College, University of London, *Relational economic geography: Confronting the myths, exploring the challenges and opportunities.*
 Discussant(s): Henry Wai-chung Yeung, National University of Singapore

4654. Using Geospatial Technologies, Visualizations, and the Web for Geographic Education, Outreach, and Engagement

Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Sean O'Connor, National Geographic Society
 CHAIR(S): Sean O'Connor, National Geographic Society
 4:40 Anne Haywood*, National Geographic Society, *The GeoMentor Program: K-12 Outreach from National Geographic and ESRI.*
 5:00 Sean O'Connor*, National Geographic Education, *Technology & Web-Based Geospatial Learning with National Geographic Education.*
 5:20 Kaitlin Yarnall*, National Geographic Maps, *Rethinking thematic maps. National Geographic's 9th Edition Atlas of the World.*
 5:40 Mary Crooks*, National Geographic Society, *National Geographic Education: Advancing Geo-Literacy.*

4655. Perspectives on Geographic Complexity (5): Modeling Land Use and Land Cover Change (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Moira Zellner, University of Illinois-Chicago
 CHAIR(S): Suzana Dragicevic, Simon Fraser University
 4:40 Moira Zellner, PhD*, University of Illinois-Chicago; Antonio Aguilera, PhD, Colegio de San Luis, *Exploring the effects of land use policies in urban-rural fringe areas in the Mexican context: An agent-based approach.*
 5:00 Tom Evans*, Indiana University; Kellly Caylor, Princeton University; Sean Sweeney, Indiana University; Mateus Batistella, EMBRAPA; Juliana Farinaci, University of Campinas; Emilio Moran, Indiana University, *Balancing Social and Ecological Complexity in Models of Reforestation in Indiana (USA) and São Paulo (Brazil).*
 5:20 Christopher Bone, Ph.D.*, Resilience and Adaptive Management Group, University of Alaska Anchorage; Lilian Alessa, Ph.D., Resilience and Adaptive Management Group, University of Alaska Anchorage; Andy Kliskey, Ph.D., Resilience and Adaptive Management Group, University of Alaska Anchorage; Mark Altaweel, Ph.D., University of Chicago, *Simulating Community Resilience to Freshwater Dynamics with Social Agents.*
 5:40 Tim Gulden, PhD*, George Mason University; Gabriel Balan, George Mason University; Jeffrey Bassett, George Mason University; Atesmachew B Hailegiorgis, George Mason University; William G Kennedy, PhD, George Mason University; Mark Rouleau, Michigan Technological University, *An agent-based model of land-use driven conflict among pastoralists in the Manderia region of East Africa.*
 6:00 David Donato*, United States Geological Survey, *Measuring Conformance of a Grid State to a Stochastic Cellular-Automata Land-Change Model.*

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4660. Complexity at the urban fringe: reconnecting and disconnecting urban-hinterland relationships

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Claire Jantz, Shippensburg University

CHAIR(S): Claire Jantz, Shippensburg University

4:40 Claire Jantz*, Shippensburg University, *Ecosystem services as a product of the hinterlands: the Upper Delaware River Basin.*

5:00 Jeffrey Olson*, The Ohio State University; Darla K Munroe, The Ohio State University, *The Restructured Connections of Urban and Rural Economies.*

5:20 Peter M. Piet*, City of Elmhurst, IL, *Tracing the Bow Wave: Finding the leading edge of urban expansion, 1900-2000.*

5:40 Zengwang Xu*, Brown University, *Discontinuities in Texas urbanization from 1850 to 2000.*

4663. Postcolonial spaces for learning

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Fran Martin, University of Exeter

CHAIR(S): Graham Butt

4:40 Lynne Wyness*, University of Exeter, *Placing geographies of global citizenship: an ethnography of a school partnership.*

5:00 Helen Griffiths*, University of Exeter, *In danger of going 'native'? Juggling the roles of participant and observer when researching Global School Partnerships..*

5:20 Fran Martin, Dr*, University of Exeter, *Power, control and identity: ethical issues in researching North-South study visits..*

Discussant(s): Graham Butt

4665. Topics in International Migration (Sponsored by Population Specialty Group)

Room: Director's, Omni Shoreham (Paper Session)

ORGANIZER(S): Micheline Van Riemsdijk, University of Tennessee

CHAIR(S): Micheline Van Riemsdijk, University of Tennessee

4:40 Bruce Newbold*, McMaster University, *Journey to Health: Linking Health Experiences of Refugees in Canada.*

5:00 Sarah Zell*, University of British Columbia, *Outsourcing the Border? The Role of Labor Brokers in Foreign Worker Recruitment to Canada.*

5:20 Will Poppe*, SUNY - Buffalo, *The meaning of homeownership among refugees in Buffalo.*

5:40 Timothy Edmund Heleniak, PhD*, University of Maryland, *International Comparisons of Population Mobility in Russia.*

6:00 Melissa Kelly*, Uppsala University, *Categorizing Migrants: New Approaches to Group-Focused Research.*

4666. Right to the City: changing urban social dynamics in globalizing China-3 (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group, China Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Guo Chen, Michigan State University; Shenjing He, Sun Yat-Sen University

CHAIR(S): Shenjing He, Sun Yat-Sen University

4:40 Si-Ming Li*, Hong Kong Baptist University, *Housing Inequality in China: Guangzhou 1996 and 2005.*

5:00 Zhou Suhong*, China 510275; Wu Zhigang, China 510631, *Spatial mismatch of Government-led Low-income housing: The case in Guangzhou, China.*

5:20 Werner Breitung*, Sun Yatsen University, *The fragmented Chinese city - Differentiated urban governance and intraurban boundaries in China.*

5:40 Melissa Yang Rock*, The Pennsylvania State University, *Inside Beijing's Hutongs: how the urban poor negotiate transformations of the city.*

6:00 Liu Yuting*, South China University of Technology, *Poverty neighbourhoods and neighbouring in Chinese large cities.*

4668. Modeling Species' Distribution and Movement (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Biogeography Specialty Group)

Room: Forum, Omni Shoreham (Interactive Short Paper Session)

ORGANIZER(S): Jennifer A. Miller, University of Texas at Austin

CHAIR(S): Jennifer A. Miller, University of Texas at Austin

4:40 Jennifer A. Miller*, University of Texas at Austin; Glyn Maude, University of Bristol, *Using spatial simulation to analyze interaction between Brown Hyena pairs in Northern Botswana.*

4:45 Joseph P. Messina, Ph.D.*, Michigan State University; Mark Devisser, MS, Michigan State University, *Modeling Tsetse Habitat in Kenya.*

4:50 Ashley C. Holt, Ph.D.*, UC Berkeley, *Spatial analysis of plague in California: niche modeling predictions of the current distribution and potential response to climate change.*

4:55 Benjamin W. Heumann*, University of North Carolina at Chapel Hill; Stephen J Walsh, University of North Carolina at Chapel Hill; Birget Fessl, Charles Darwin Foundation, *Mapping suitable habitat for the rarest of Darwin's finches: Data Challenges.*

5:00 Jennifer Vaughan*, San Diego State University, *A Geographic Approach to Avian Conservation on Marine Corps Base Camp Pendleton, California.*

5:05 Katherine Doiron*, Clark University; Florencia Sangermano, PhD, Clark University, *Biodiversity Model Accuracy Assessment using North American Breeding Bird Species Data.*

5:10 Anthony Cummings*, Syracuse University; Jane M Read, Syracuse University; José MV Fragos, Stanford University; Kirsten M Silvius, Gordon and Betty Moore Foundation; Sean Giery, University of Hawaii; Jeffrey Luzar, State University of New York-College of Environmental Science and Forestry; L. Flamarion de Oliveira, Museu Nacional UFRJ, Brazil; James Gibbs, State University of New York-College of Environmental Science and Forestry; Han Overman, State University of New York-College of Environmental Science and Forestry, *Modelling the Geographical Distribution of Wildlife Food Sources in the North Rupununi, Guyana, Using Maxent.*

5:15 Jacob Brenner, Ph. D.*, Colgate University; Zachary Christman, Clark University; John Rogan, Ph. D., Clark University, *Using Image Segmentation and Ancillary Variables for the Classification of Buffelgrass (Pennistum ciliare) Pasture.*

5:20 Joni Downs*, University of South Florida, *Refining home range estimates using time geography.*

5:25 Holly A. Porter Morgan, Ph.D.*, The New York Botanical Garden, Spatial Analysis Unit, *Methodological Issues of Presence-Only Species Distribution Models.*

SATURDAY, APRIL 17 • 4:40 PM - 6:20 PM • 4600**4671. The Spatial Organization of the 'Regional City' III**Room: *Palladian, Omni Shoreham* (Paper Session)

ORGANIZER(S): Martijn J. Burger, Erasmus University Rotterdam; Evert Meijers, Delft University of Technology

CHAIR(S): Frank Van Oort, Utrecht University

4:40 Evert J Meijers*, Delft University of Technology; Bart Lambregts, Kasetsart University Bangkok, *Shifting fortunes of neighbouring cities: emerging city hierarchies in polycentric U.S. metropolitan areas.***5:00** Ronald S Wall, Dr.*, Erasmus University, *The Relative Importance of Randstad Cities within Comparative Worldwide Corporate Networks.***5:20** Nicholas A. Phelps*, University College London, *Suburbs for nations? Some interdisciplinary connections on the suburban economy.***5:40** Laura Capel Tatjer*, University Pompeu Fabra; Sergi Solanas Alday, Universitat Pompeu Fabra- Institut d'Estudis Territorials; Gissel Ferrari, Universitat Pompeu Fabra - Institut d'Estudis Territorials; Julia Bosch, Institut d'Estudis Territorials; François Cougoule*, Institut d'Estudis Territorials-UPF, *The Economic Evaluation of Metropolitan Planning. The case of Barcelona.***6:00** Elke Vanempten*, University of Leuven & Erasmus University College Brussels, *Planning the urban-rural landscape of Brussels.***4672. Spatial Analysis and Modeling for Environmental Studies**Room: *Senate, Omni Shoreham* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Weidong Li, Huazhong Agricultural University

4:40 Inge Aalders*, Macaulay Institute; Rupert Hough, Macaulay Institute; Willie Towers, Macaulay Institute, *Soil Risks - identifying vulnerability hotspots..***5:00** Kent Murray*, University of Michigan; Cara Peterman, University of Michigan, *Delray Initiative.***5:20** Liem Tran*, University of Tennessee at Knoxville, *Design a Multiple-Ecosystem Services Landscape for the Midwest, USA, with Compromise Programming.***5:40** Weidong Li*, Huazhong Agricultural University; Chuanrong Zhang, University of Connecticut, *Dealing with Minor Classes in Markov Chain Simulation of Categorical Spatial Variables.***4673. Property Rights and the Street**Room: *Marriott Ballroom Salon 2, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Renia Ehrenfeucht, University of New Orleans, College of Urban and Public Affairs; Annette Kim, MIT

CHAIR(S): Annette Kim, MIT

4:40 Anne Beamish, Ph.D.*, Design Laboratory, MIT, *The Evolution of Boston Sidewalks.***5:00** Annette Miae Kim, Ph.D.*, MIT, *Mapping Unmapped Property: Sidewalks in Ho Chi Minh City, Vietnam.***5:20** Renia Ehrenfeucht*, University of New Orleans, *Property and Mobility Claims to Sidewalks in U.S. Cities.***5:40** Jen Petersen, Ph.D. Candidate*, New York University, *Whose Streets? Paving the Right to the City.*

Discussant(s): Nicholas Blomley, Simon Fraser University

4674. Transportation Strategies in Fast, Growth, and Emerging EconomiesRoom: *Park Tower 8205, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sagie Narsiah, Clark University

4:40 Joseph J DiGianni*, Montclair State University, *Alternative propulsion vehicle development in the fast-emerging economies of Brazil, Russia, India and China (BRIC) and its potential to reduce the environmental impact of transportation in core economies..***5:00** Yongmei Lu*, Texas State University - San Marcos; Weihong Yin, co-author, Beijing Union University; Jing chen, co-author, Beijing Geely University, *Is what we see the same as what they measure - Transportation convenience in Beijing.***5:20** Sagie Narsiah, Dr*, University of KwaZulu-Natal, *The Privatization Debacle in Durban.***4675. Issues in Political Ecology**Room: *Park Tower 8211, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Cole V. Akeson, Macalester College

4:40 Kin Wing Chan*, University of Calgary, *A political ecology of land politics, border integration and pig farming: A case study of the Hong Kong Shenzhen trans-border region.***5:00** Richard N. Dodge, Ph.D.*, Desert Rose Baha'i Institute, *The Approaching Global Crisis.***5:20** Cole V. Akeson*, University of Colorado - Boulder, *Grant-eaters and the grassroots: Problematizing conceptions of Ukrainian postsocialist transformation and the roles of civil society institutions.***4676. The Refugee Experience: Migration and Integration**Room: *Park Tower 8217, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Robert Lidstone, York University

4:40 Lorraine Pannett*, University of Manchester, UK, *How People Seeking Asylum Struggle For Livability Through Emotional, Cognitive And Practical Activity.***5:00** Devon A. Hansen*, University of North Dakota, *Refugee Resettlement in North Dakota.***5:20** Robert Lidstone*, York University, *A Queer Perspective on Immigration: GLBT Refugees in Canada.***5:40** Daniel P. Riva*, The George Washington University, *Finding a Place for Environmental Refugees in Bangladesh: Coping Strategies, Relocation, and Engineered Solutions in the Face of Climate Change.***4677. Remote Sensing of the Environment III**Room: *Park Tower 8218, Marriott, Lobby Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Peter Tardie, University of New Hampshire

4:40 Loredana G Suci, MS, MA*, Ohio University; Valerie L Young, PhD, Ohio University; Robert Kremens, PhD, Rochester Institute of Technology; Matthew B Dickinson, PhD, US Forest Service; Anthony S Bova, Physicist, US Forest Service; James M Dyer, PhD, Ohio University, *Estimation of Fire Radiative Energy and Fuel Consumption Using Aerial Infrared Imagery.***5:00** Anne Davidson*, National Gap Analysis Program; Jocelyn Ayerig, National Gap Analysis Program; Emilie Grossman, Oregon State University; Jimmy Kagan, Oregon State University; Steven Lennartz, Sanborn; Stacy McDonough, National Gap Analysis Program; Tom Miewald, Sanborn; Janet Ohmann, USDA Forest Service; Adam Radel, National Gap Analysis Program; Todd Sajwaj, National Gap Analysis Program; Claudine Tobalske, Oregon State University, *National*

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Gap Analysis Program- Northwest regional land cover mapping.

- 5:20** Qingmin Meng*, University of North Carolina at Charlotte, *Multi-strata forest fire severity modeling in heterogeneous landscapes using hyperspectral imagery.*
- 5:40** Min Li*, George Mason University; John J. Qu, George Mason University; Xianjun Hao, George Mason University, *Assessing MODIS-Derived measurements in monitoring phenology of different land-cover types from 2000 to 2008 in the continental USA.*
- 6:00** Peter S. Tardie, Ph.D. Candidate*, University of New Hampshire, *Land Development in Massachusetts: Its Effect On the Environment within Essex and Middlesex Counties from 1990 to 2007.*

4678. Justice Issues in Geographic Perspective

- Room:** Park Tower 8224, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Rain Ross, The Richard Stockton College of New Jersey
- 4:40** Matthew Branch*, Pennsylvania State University, *Locating Justice Ecology.*
- 5:00** Alex Pulsipher*, Clark University, *Green Technology Diffusion: The Interesting Case of "Green Infrastructure".*
- 5:20** Caleb T Gallemore, MA*, Ohio State University, *Reconsidering the Science Question in Political Ecology with Perspectival Realism.*
- 5:40** Enrique Lanz Oca*, Geography, *The Ecological Industrial Complex: Federal-Corporatism and Hydro-Militarism behind the Elwha River Restoration Project.*
- 6:00** Rain Ross*, The Richard Stockton College of New Jersey, *Choreographing Subversion: Navigating the Traditional Performance Space.*

4679. Religion

- Room:** Park Tower 8229, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Dan Reeves, Charles University in Prague
- 4:40** Samuel Avery-Quinn*, University of Tennessee, Knoxville, *Temporary Zions: The Sanctified Townscapes of the National Camp-Meeting Association for the Promotion of Holiness.*
- 5:00** Ramin Zamanian*, Oklahoma State University, *Environmental Stewardship and Brazil's Santo Daime Religion: Tourists, Worshippers, Nature.*
- 5:20** Katie Berchak, MA, Louisiana State University*, LSU Grad Student; , Adjunct Instructor, River Parishes Community College, *Cabrinian Memories in New Orleans and New York City.*
- 5:40** James E. Mills*, SUNY-Oneonta, *Emerging Geographies of the 'Spiritual But Not Religious'.*
- 6:00** Daniel Reeves, Mgr. *, Charles University in Prague, *Benefits of belonging: Adventist and Mormon congregations in Czechia.*

4680. Regional Geography: Europe

- Room:** Cleveland 1, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Bella Bychkova Jordan, University of Texas - Austin
- 4:40** Tarmo Pikner*, Centre of Contemporary Culture Studies, Estonian Institute of Humanities, Tallinn University, *Transition spaces of political performance: collective waste gathering and international ecological concerns.*
- 5:00** Alexander Alekseev, professor*, Moscow State University, *Adaptation of migrants and their perception by the Russian society: past, present and the future..*
- 5:20** Magdalena Bastova*, *Czech-Bavarian Borderland: Development from peripheral to exposed area.*
- 5:40** Andrew Foxall*, University of Oxford, *'Banal Exceptionalism': Den Krai, ethnic relations, and post-Soviet parades in Stavropol' Krai.*
- 6:00** Bella Bychkova Jordan*, University of Texas - Austin, *Challenges of Resttlement and Intergration of Crimean Tatars.*

4681. Issues in Africa's Development

- Room:** Cleveland 2, Marriott, Mezzanine Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Kwabena Barima Antwi, University of Cape Coast, Ghana
- 4:40** Sarah L Smiley*, Morgan State University, *Housing and Development in Colonial Tanganyika.*
- 5:00** Yann ALIX*, IPER; Jean-François Pelletier, IPER; Hendrik Lohse, IPER, *Western-African port gateway and inland freight corridors: redefinition of new competition for serving landlocked countries.*
- 5:20** James C. Saku*, Frostburg State University, *Towards an Understanding of Poverty Reduction in Africa: Lessons from Ghana.*
- 5:40** Daniel E. Esser, Ph.D.*, American University, *Imported Cities? Chinese 'Aid' and Multiscalar Governance in Urban Africa.*
- 6:00** Kwabena Barima Antwi*, University of Cape Coast, Ghana, *Geo-Political Implications of Ghana's Post Independence Dependence-Development Paradigm.*

4682. Variations on the Cultural Landscape

- Room:** Lincoln Room 1, Marriott, Exhibition Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Chris Van Dyke, University of Kentucky
- 4:40** Manuel Molla*, Universidad Autonoma De Madrid, *Mexican Landscapes and Identity.*
- 5:00** Shangyi Zhou*, School of Geography, Beijing Normal University, China, *Cultural Representation: The Landscape Changing in an Old Commercial District of Beijing.*
- 5:20** Charles Greer*, Indiana University; Yan He, Indiana University, *West Lake to Hou Hai: Retention of Cultural Institutions in the Chinese Landscape.*
- 5:40** Chris Van Dyke*, University of Kentucky; John Lauermann, University of South Carolina, *The Exhaustion of Landscape Studies?.*
- 6:00** Maraigh Leitch*, University of Texas, *Mark Twain's River: The American Ethos Embodied in Landscape.*

SATURDAY, APRIL 17 • 6:30 PM - 7:30 PM • 4700**4720. Stand-Alone Geographers Affinity Group Business Meeting (Sponsored by Stand-Alone Geographers Affinity Group)**Room: *Virginia Suite A, Marriott, Lobby Level (Meeting Session)***4721. Political Geography Specialty Group Business Meeting (Sponsored by Political Geography Specialty Group)**Room: *Virginia Suite B, Marriott, Lobby Level (Meeting Session)***4728. Jonathan Returns: Reflections of a Social Media and Film Project (Sponsored by Health and Medical Geography Specialty Group, Political Geography Specialty Group, Disability Specialty Group)**

Room: *Johnson, Marriott, Mezzanine Level (Panel Session)*
 ORGANIZER(S): Michele Masucci, Temple University
 CHAIR(S): Michele Masucci, Temple University
Note: Screening of the film begins at 6:30 p.m., with the panel discussion following. See session # 4828.

4730. Retired Geographers Affinity Group Business Meeting (Sponsored by Retired Geographers Affinity Group)Room: *Marriott Ballroom Balcony B, Marriott, Mezzanine Level***4736. Cryosphere Specialty Group Business Meeting (Sponsored by Cryosphere Specialty Group)**Room: *Thurgood Marshall EAST, Marriott, Mezzanine Level (Meeting Session)***4738. Russian, Central Eurasian, and East European Specialty Group Business Meeting (Sponsored by Russian, Central Eurasian, and East European Specialty Group)**Room: *Thurgood Marshall SOUTH, Marriott, Mezzanine Level***4746. Canadian Studies Specialty Group Business Meeting (Sponsored by Canadian Studies Specialty Group)**Room: *Lincoln Room 2, Marriott, Exhibition Level (Meeting Session)***4748. Spatial Analysis and Modeling Specialty Group Business Meeting (Sponsored by Spatial Analysis and Modeling Specialty Group)**Room: *Lincoln Room 4, Marriott, Exhibition Level (Meeting Session)***4751. Semmiñ Naari Boor (Double Bladed Axe) -- A film by Jesse Ribot and Pape Faye**Room: *Washington Room 1, Marriott, Exhibition Level*

ORGANIZER(S): Jesse Ribot, Pape Faye

SUMMARY: Foresters' words cut both ways. The villagers of Daru Fippu are empowered to manage their forests by Senegal's decentralization laws. They want the forests for local use, but the Forest Service's Mega Bank project convinces the villagers to participate in charcoal production to make money for local development. The forest service says they must cut the forests for charcoal to supply cooking fuel for the city. The foresters speak of management, but insist only on production. They speak of participation, but the villagers participate only as labor. They speak of development, but foresters block them from lucrative forestry markets. Villagers are only allowed to produce at low prices and sell their charcoal to urban merchants at the forest edge. Foresters refuse to give them production quotas and permits to sell for much-higher prices they could get in the city of Dakar. When the sympathetic project director, Mbaxan, tells them they can get ten times the price selling in the city, the villagers are shocked. Mbaxan tries to help the destitute villagers to profit from their rich forests, but is stymied by the Forest Service. They make some headway, but not enough. The villagers of Daru Fippu federate to fight for their rights.

4752. Bob Marx Tribute ReceptionRoom: *Washington Room 2, Marriott, Exhibition Level (Panel Session)*

ORGANIZER(S): Michael Ratcliffe, U.S. Bureau Of the Census;

Timothy F. Trainor, U.S. Bureau Of the Census

CHAIR(S): Timothy F. Trainor, U.S. Bureau Of the Census

6:30 John S. Adams, University of Minnesota - Minneapolis

6:35 Timothy F. Trainor, U.S. Bureau Of the Census

6:40 Stephen C. Gupta, United States Geological Survey

6:45 Ronald F. Abler, International Geographical Union

4753. History of Geography Specialty Group Business Meeting (Sponsored by History of Geography Specialty Group)Room: *Washington Room 3, Marriott, Exhibition Level (Meeting Session)***SATURDAY, APRIL 17 • 7:30 PM - 8:30 PM • 4800****4821. Transportation Geography Specialty Group Business Meeting (Sponsored by Transportation Geography Specialty Group)**Room: *Virginia Suite B, Marriott, Lobby Level (Meeting Session)***4828. Jonathan Returns: Reflections of a Social Media and Film Project (Sponsored by Health and Medical Geography Specialty Group, Political Geography Specialty Group, Disability Specialty Group)**

Room: *Johnson, Marriott, Mezzanine Level (Panel Session)*
 ORGANIZER(S): Michele Masucci, Temple University
 CHAIR(S): Michele Masucci, Temple University
 Panelists: Michele Masucci, Temple University; Michael L. Dorn, Temple University; Robert D. Wilton, McMaster University; Vandana Wadhwa, Boston University; Laura Porterfield, Temple University
Note: Screening of the film begins at 6:30 p.m., with the panel discussion following. See session # 4728.

4829. Rural Geography Specialty Group Business Meeting (Sponsored by Rural Geography Specialty Group)Room: *Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Meeting Session)***4830. Study of the American South Specialty Group Business Meeting (Sponsored by Study of the American South Specialty Group)**Room: *Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Meeting Session)***4837. Cartography Specialty Group Business Meeting (Sponsored by Cartography Specialty Group)**Room: *Thurgood Marshall NORTH, Marriott, Mezzanine Level (Meeting Session)***4838. Paleoenvironmental Change Specialty Group Business Meeting (Sponsored by Paleoenvironmental Change Specialty Group)**Room: *Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Meeting Session)***4846. Community College Affinity Group Business Meeting (Sponsored by Community College Affinity Group)**Room: *Lincoln Room 2, Marriott, Exhibition Level (Meeting Session)***4848. Mountain Geography Specialty Group Business Meeting (Sponsored by Mountain Geography Specialty Group)**Room: *Lincoln Room 4, Marriott, Exhibition Level (Meeting Session)***4853. Cultural Geography Specialty Group Business Meeting (Sponsored by Cultural Geography Specialty Group)**Room: *Washington Room 3, Marriott, Exhibition Level (Meeting Session)*

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

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5102. Current Undertakings of the Retired Geographers Organization**

Room: Delaware Suite A, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Christopher L. Salter, U of Missouri Emeritus
 CHAIR(S): Christopher L. Salter, U of Missouri Emeritus
 Introducer: Christopher L. Salter

8:03 Christine Drake, Ph.D.*, Old Dominion University, *Senegal and Mauritania: Conflicting Contrasts*.

8:23 Neal G. Lineback, Professor Emeritus*, Appalachian State University, *Geography in the News, 1987-2009: A Celebration*.

8:43 Gregory A. Plumb, Dr.*, East Central University, *Constructing a Repository for the Educational Histories of Academic Geographers*.

9:03 Christopher L. Salter*, U of Missouri Emeritus, *The American Road Book: William Least Heat-Moon in Two Acts*.

Discussant(s): Christopher L. Salter, U of Missouri Emeritus

5104. Topics in Coastal and Marine Geography I

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee
 CHAIR(S): Jennifer L. Rahn, Samford University

8:00 Katherine Renken*, Louisiana State University; Patrick Hesp, Dr., Louisiana State University; Kelly Henry, Louisiana State University; Austin Humphries, Louisiana State University; Mark Robinson, Louisiana State University; E. Cory Sills, Louisiana State University, *Ecogeomorphology of a trailing ridge in a transgressive dunefield, Veracruz, Mexico*.

8:10 Ryan Hicks, B.A.*; Alexander Hicks, Ph.D, Emory University, *Ports in the Global Urban Hierarchy*.

8:20 Michael Grilliot, MS*, Washington State Department of Natural Resources; Kyle Murphy, MES, Washington State Department of Natural Resources, *Washington State Department of Natural Resources Aquatic Reserves Program*.

8:30 Kianna Paulino Colon, Planner*, *Puerto Rico Coastal Barriers Degradation Challenges: Conservation Strategies*.

8:40 Jennifer Rahn, Ph.D.*, Samford University, *Using Volunteer SCUBA Divers and Social Networking for Marine Animal Monitoring*.

Discussant(s): Winifred Ryan; John F. Dobosiewicz, Kean University

5105. New Frontiers of Post-Conflict Reconstruction I (Sponsored by Qualitative Research Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Erinn Patrick Nicley, University of Illinois
 CHAIR(S): Erinn Patrick Nicley, University of Illinois

8:00 Alex Jeffrey*, Newcastle University, *Localising international justice: examining the community outreach strategies of the War Crimes Chamber of the Bosnian Court (WCCBC)*..

8:20 Maureen Hays-Mitchell*, Colgate University, *Claiming Citizenship: Political Participation of Marginalized Populations in Post-Conflict Peru*.

8:40 Jon D Unruh*, McGill University, *The Functioning of Islamic Law in Postwar Land Tenure*.

9:00 Erinn Patrick Nicley*, University of Illinois, *Contested Governance and the Spaces of Neoliberal Reconstruction in Post-War Nicaragua*..

9:20 Carl Thor Dahlman*, Miami University, *The Cultural Geopolitics of Life After War*.

5108. Urban Climate: Global Impact and Mitigation Techniques (Sponsored by Climate Specialty Group, Urban Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Chandana Mitra, University of Georgia
 CHAIR(S): Rezaul Mahmood, Western Kentucky University
 Panelists: Anthony J. Brazel, Arizona State University; Marshall Shepherd, University of Georgia; Gerald Mills; Niyogi Dev, Purdue University; Dale A. Quattrochi, NASA MSFC; Johannes Feddema, University of Kansas

5109. Phenology and Climate

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee
 CHAIR(S): Justin Maxwell, Carolina Tree-Ring Science Laboratory, UNC at Greensboro

8:00 Vesta M Mather, MSc. Candidate*, University of Guelph, Climate & Ecosystem Dynamics Research (CEDaR) Laboratory; Ze'ev M Gedalof, PhD., University of Guelph, Climate & Ecosystem Dynamics Research (CEDaR) Laboratory; Lori D Daniels, PhD., University of British Columbia; Dan J Smith, PhD., University of Victoria, *An Experimental Reconstruction of Climate in the Kootenay Region of British Columbia, Canada, Based on Subring Parameters*.

8:20 Mark D. Schwartz*, University of Wisconsin - Milwaukee; Jonathan M Hanes, University of Wisconsin - Milwaukee; Liang Liang, University of Kentucky, *An Approach to High-resolution Spatial and Temporal Surface Phenological Observations*.

8:40 Liang Liang*, University of Kentucky; Mark D. Schwartz, University of Wisconsin-Milwaukee; Jonathan M. Hanes, University of Wisconsin-Milwaukee, *A Landscape Scaling Approach to Integrating Field Phenological Observations with Satellite Measurements*.

9:00 Keith G. Henderson*, Villanova University, *Assessing Local Coherence of Autumn Phenology in the Northeastern U.S.*

9:20 Justin T. Maxwell*, Carolina Tree-Ring Science Laboratory, UNC at Greensboro, *An assessment of the dendrochronological utility of Nyssa ogeche*.

5110. Geographies of In-betweeness: Context and Social Order

Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee
 CHAIR(S): Bill Fleming, Aberystwyth University

8:00 Jakob Nobuoka*, Uppsala University, *Comiket - Innovative fans and playful plagiarism*..

8:20 Mark Lorenzen*, Copenhagen Business School, *Bollywood Branching Points: Entry and Structural Embeddedness in the Evolution of the Mumbai Film Industry*.

8:40 Jill Stackhouse*, Georgia Southern University, *Atlanta's Silences: Propaganda Maps in Atlanta's Development*.

9:00 Bill Fleming*, Aberystwyth University, *Flakito's Way: Liminal geographies Along El Camino Santiago*.

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5111. The importance of research scale and design in understanding people-park relationships (Sponsored by Cultural and Political Ecology Specialty Group, Biogeography Specialty Group)****Room:** Nathan Hale, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Margaret Buck Holland; Krithi Karanth, Columbia University

CHAIR(S): Lisa Naughton, University of Wisconsin

8:00 Margaret Buck Holland, MSc, ABD*, University of Wisconsin-Madison and Conservation International, *Protected areas and poverty reduction in Central America: a conflict of goods?*.**8:20** Ruth DeFries*, Columbia University; Karanth Krithi, Columbia University and Center for Wildlife Studies, *Interactions Between Protected Areas and their Surroundings: The Case of Three Indian Parks*.**8:40** Krithi K Karanth, Ph.D.*, Columbia University; Ruth S DeFries, Ph.D., Columbia University, *Nature-based Tourism in Urbanizing Economies: The Case of India's Protected Areas*.**9:00** Brian Child*, University of Florida; Shylock Muyengwa, University of Florida; Rodgers Lubilo, Msoro Village, Zambia; Patricia Mupeta, University of Florida, *The Governance Dashboard - linking research and practice through adaptive management*.

Discussant(s): Celia Harvey, Conservation International

5112. Post-Apartheid Geographies of South Africa and its Region 1 (Sponsored by Africa Specialty Group)**Room:** Park Tower 8206, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Belinda Dodson, University of Western Ontario

CHAIR(S): Belinda Dodson, University of Western Ontario
Introducer: Belinda Dodson**8:05** Jana Fried*, McMaster University, Canada; Steve Birch, McMaster University, Canada; John Eyles, McMaster University, Canada; Pascalia Munyewende, University of the Witwatersrand, South Africa; Loveday Penn-Kekana, University of the Witwatersrand, South Africa; Sheetal Silal, University of Cape Town, South Africa; Jenny Zhan, McMaster University, Canada; on behalf of the whole REACH team, *Regional and facility variations in access to and perceptions of maternal health services in South Africa*.**8:25** Mark Hunter*, University of Toronto, *Racial Desegregation and Schooling: Gendered and Intergenerational Processes of Class Formation in South Africa*.**8:45** Gustav E Visser*, University of the Free State; Gijsbert Hoogendoorn, University of the Witwatersrand, *Second home-led local economic development in five South African small towns*.

Discussant(s): Jennifer Robinson, Open University

5113. Emerging Research on the Political Ecology of Resource Extraction in Latin America (Sponsored by Cultural and Political Ecology Specialty Group, Indigenous Peoples Specialty Group, Latin America Specialty Group)**Room:** Park Tower 8209, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Emily Billo; Zoe Pearson, The Ohio State University

CHAIR(S): Emily Billo

8:00 Jessica Budds*, The Open University, *Mineral extraction and changing waterscapes in the Peruvian Andes*.**8:20** Tom Perreault*, Syracuse University, *Something old, something new: mining, water and social movement politics in Oruro, Bolivia*.**8:40** Matthew Himley*, Syracuse University, *A Dance of Rights and Responsibilities: Corporate-led Development and the "New" Peruvian Mining*.**9:00** Emily Billo*, Syracuse University, *Following the Money: Corporate Social Responsibility and the Oil Industry in the Northern Ecuadorian Amazon*.**9:20** Zoe Pearson*, The Ohio State University, *Oil Extraction and Human Security in the Ecuadorian Amazon*.**5114. Spatial Decision Support Systems (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group)****Room:** Park Tower 8210, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jeff Hamerlinck, University of Wyoming; Naicong Li, University of Redlands

CHAIR(S): Jeff Hamerlinck, University of Wyoming

8:00 Naicong Li*, University of Redlands, *Finding Solution Resources for Spatial Decision Problems*.**8:20** Alexander Savelyev*, University of Northern Iowa; Ramanathan Sugumar, University of Northern Iowa, *Implementation of an Open Source SDSS*.**8:40** Keith Morgan Reynolds, PhD*, USDA Forest Service; Paul F Hessburg, PhD, USDA Forest Service; Robert E Keane, PhD, USDA Forest Service; James D Dickinson, USDA Forest Service; R Brion Salter, USDA Forest Service, *A regional mid-scale analysis of wildland fire danger and fuel-treatment priorities*.**9:00** James B. Pick*, University of Redlands, *International Comparison of Web-based Spatial Decision Systems: Case Study Analysis in the United States and Hong Kong*.**9:20** Jeffrey D. Hamerlinck*, University of Wyoming; Barbara P. Battenfield, University of Colorado-Boulder, *GIS Planning Support System Implementation in Rural Local Government Planning*.**5115. A Comparative Geography of China and the U.S.: Physical and Human Geography Perspectives (Sponsored by China Specialty Group)****Room:** Park Tower 8212, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Rudi Hartmann, University of Colorado

CHAIR(S): Rudi Hartmann, University of Colorado

8:00 Peijun Shi, Beijing Normal University; Jing'ai Wang*, Beijing Normal University; Wei Xu, Beijing Normal University; Juan Du, Beijing Normal University; Shiqiang Du, Beijing Normal University; Jian-song Zhang*, Beijing Normal University, *A Comparative Study of China-USA Integrated Catastrophe Risk Management*.**8:20** Rudi Hartmann*, University of Colorado, *Comparing the Geographies of China and the United States*.**8:40** Yves A. Boquet*, Université De Bourgogne, Paris, *Washington, Brasilia and Beijing : power landscapes of capital cities*.**9:00** Yao-jie Yue*, Beijing Normal University; Yongdeng Lei, Beijing Normal University; Jingtao Zhao, Beijing Normal University; Jiansong Zhang, Beijing Normal University, *The Arid and Semi-Arid West: A Comparative Geography of Xinjiang and Colorado*.**9:20** Jing'ai Wang, Beijing Normal University; Peijun SHI, Beijing Normal University; Yue-jing Ge*, Beijing Normal University; Jiansong Zhang, Beijing Normal University; Dashan Zhao, Beijing Normal University, *Geographical Patterns and Driving Forces: A China-USA Comparison*.

Discussant(s): Gregory Veeck, Western Michigan University

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5116. Urbanization, Environment, and Sustainability (III): Environmental Impacts (Sponsored by Urban Geography Specialty Group, China Specialty Group, Remote Sensing Specialty Group)****Room:** Park Tower 8216, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Qihao Weng, Indiana State University

CHAIR(S): Tingting Zhao, Florida State University

8:00 Cyril Oluoyomi Wilson*, Indiana State University; Qihao Weng, PhD, Indiana State University, *Modeling the contribution of snowmelt runoff to surface water quality under urban land cover change scenario. A case study of Des Plaines River watershed, Greater Chicago area, Illinois..***8:20** Honglin Xiao*, Elon University, *Comparing Urbanization process and its environmental impacts between US and Chinese cities.***8:40** Bingqing Liang*, Mansfield University of Pennsylvania; Qihao Weng, Indiana State University, *Assessing Urban Environmental Quality Change of Indianapolis, Indiana Using Remote Sensing and GIS.***9:00** Tingting Zhao*, Florida State University; Mark W Horner, Florida State University; John Sulik, Florida State University, *Carbon Impacts of Residential Development Patterns.***9:20** Yang Zhang*, Virginia Tech, *A Longitudinal Analysis of Effects of Hurricane Andrew on Housing Market.***5117. Health Care Workforce Geography (Sponsored by Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)****Room:** Park Tower 8219, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Imam Xierali, Robert Graham Center

CHAIR(S): Imam Xierali, Robert Graham Center

Introducer: Imam Xierali

8:04 Kim England*, University of Washington, *Global Migration of Registered Nurses.***8:23** Imam Xierali, PhD*, Robert Graham Center, *Collocation Patterns of Health Care Workforce: The Power of Agglomeration.***8:42** Aja Davidson*, Texas State University - San Marcos; Yongmei Lu, PhD, Associate Professor, Texas State University-San Marcos, *Traffic accident fatalities: does prehospital time affect outcomes?.***9:01** Ashton Shortridge*, Michigan State University; Sue Grady, Michigan State University, *Roads Less Traveled: Exploring Distance Factors in Demand for Inpatient Health Care Services.***9:20** Marilyn M Williams*, University of Denver, *A Decade Evaluation of Missing Persons In Nursing: A Comparison of Racial and Ethnic Minorities.*

Discussant(s): Imam Xierali, Robert Graham Center

5118. Theorizing Tourism I (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group)**Room:** Park Tower 8222, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jillian Rickly-Boyd; E Arnold Modlin,

Louisiana State University

CHAIR(S): E Arnold Modlin, Louisiana State University

8:00 Daniel C. Knudsen*, Indiana University; Anne K. Soper, German University of Technology in Muscat, *Ideology and Tourism Sites.***8:20** Nicholas Wise*, Kent State University, *Post-War Tourism and the Imaginative Geographies of Bosnia and Herzegovina, Croatia, and Slovenia.***8:40** Natalie Kaiser*, McGill University, *Tourism and Symbolic Space in Cuba: A Cartographic Analysis of Tourist Spaces in Havana.***9:00** jenny hay*, Louisiana State University, *New Trends in Tourism: A Rural Perspective.*

Discussant(s): E Arnold Modlin, Louisiana State University

5120. Postcolonial Korea: Conjunctures and Critical Geographies I: Postcolonialism, Territoriality, Politics, and Korean Identity (Sponsored by Socialist and Critical Geography Specialty Group)**Room:** Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jim Glassman, University of British Columbia;

Bae-Gyoon Park, Seoul National University

CHAIR(S): Bae-Gyoon Park, Seoul National University

8:00 Valérie Gelezeau*, EHESS, Paris, *Beyond the Korean borders - post-colonial geographies, critical Korean Studies and the Korean "meta-culture".***8:20** Joel D Wainwright*, The Ohio State University, *Reflections on postcoloniality and Korea.***8:40** Seung-Ook Lee*, The Ohio State University, *Giorgio Agamben in postcolonial context: a study of Korean politics.***9:00** Hyeseon Jeong*, The Ohio State University, *History, Discourse and Space: Remembering the Japanese Military Sexual Slavery in Post-Colonial South Korea.*

Discussant(s): Bae-Gyoon Park, Seoul National University

5121. Applied Geostatistics I**Room:** Virginia Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Pierre Goovaerts, BioMedware; Ruth Kerry, Brigham Young University

CHAIR(S): Pierre Goovaerts, BioMedware

8:00 Ruth Kerry*, Brigham Young University; Pierre Goovaerts, Biomedware; Izak Smit, Dr, South African National Parks, *Investigating Patterns of Herbivore Species Abundance In Kruger National Park Using Geostatistical Methods.***8:20** Eun-hye Enki Yoo*, University At Buffalo (SUNY); Andrew Trgovac, University at Buffalo (SUNY), *Uncertainty modeling of reconstructed presettlement vegetation surfaces.***8:40** Brenda V Ortiz, Ph.D.*, Auburn University; Steven J. Thomson, Ph.D, USDA ARS CPSRU, Stoneville, MS; Yanbo Huang, Ph.D, USDA ARS CPSRU, Stoneville, MS; Krishna Reddy, USDA ARS CPSRU, Stoneville, MS; Wei Ding, Northeast Agricultural University, Harbin, Heilongjiang, China, *Filtering Color-Infrared (CIR) Imagery by Kriging Analysis to Determine Crop Injury by Aerial Application of Glyphosate.***9:00** Justin Holman, Ph.D.*, TerraSeer, Inc., *Climate Change and Skin Cancer in the Western U.S.: Using a regional climate model and geo-demographic segmentation to forecast melanoma incidence and mortality.***9:20** Peter Paul Siska, Ph.D*, USMA; Vaughn M Bryant, Ph.D, Texas A&M University; Pierre Goovaerts, PhD, Chief Scientist, BioMedware Inc, *Pollen Spatial Distribution Patterns in Columbia Basin: Forensic Application.***5122. Social Networks in Practise****Room:** Virginia Suite C, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yaprak Gulcan

8:00 Chang Ho Lee*, *The role of social networks in medical innovation.***8:20** Pascal Goeke*, Goethe University, *Overflow of meaning and its reduction or how integration and inclusion require networks and projects.***8:40** Ngakaemang Mosiane*, *Superfluity, Livelihoods, and the Transformative Potential of Cities.***9:00** Yaprak Gulcan, Associate Prof.*, Dokuz Eylul University; Yesim Kustepeli, Associate Prof.; Sedef Akgungor, Prof, *The Impact of Social Networks on Innovativeness.*

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5123. The Politics of Dirt (Sponsored by Socialist and Critical Geography Specialty Group, Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group)**

Room: Coolidge, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Greta Marchesi, UC Berkeley Geography; Elizabeth Cafer Du Plessis, Department of History, Indiana University-Bloomington
 CHAIR(S): Greta Marchesi, UC Berkeley Geography
8:00 Elizabeth Cafer du Plessis, PhD Candidate U.S. History*, Department of History, Indiana University-Bloomington, *Sustainable Agriculture in early 20th-century America: From Permanent Agriculture to Soil Conservation*.
8:20 Greta Marchesi*, University of California- Berkeley, *Justus Von Liebig: Myth-making and the Father of Soil Science*.
8:40 Shannon C Cram*, UC Berkeley, *The Politics of Risk and Remediation at the Hanford Nuclear Reservation*.
9:00 John Stehlin, PhD Student*, UC Berkeley Geography, *On Shifting Ground: Anxiety, Profit, and the "Super-Green City of the Future"*.
 Discussant(s): Mrill Ingram, University of Wisconsin-Madison

5124. Ordering our World Through Narrative and its Interpretation

Room: Harding, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jay Joshi, York University
8:00 Richards Storm Emerson*, University of Florida, *An Unhappy Knight: The Diffusion and Bastardization of Mordred in Arthurian Legend from Select Works of the 6th -15th Century*.
8:20 JUN-HUA LIN*, The University of Sheffield, *Ghostly modernity in Taipei City*.
8:40 Jay s Joshi*, York University, *Cosmotopology: American Providence and the Geopolitical Order (2001-2008)*.

5125. Contemporary Issues in Land Use Control I (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Regional Development and Planning Specialty Group)

Room: Hoover, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Brian Edward Johnson, Indiana University
 CHAIR(S): Brian Edward Johnson, Indiana University
8:00 Alejandro Rodriguez*, Urban Geography, *Border Town: Land Use Control in the Outskirts of Bogota*.
8:20 Kendrick J. Curtis, Ph.D.*, State of Tennessee Department of Economic and Community Development, *The Influences of Growth Beyond the Pipe: Evidence from Tennessee*.
8:40 Laura Smith*, Macalester College, *Land Use Regulation "Restrictiveness" and Housing Values in the Minneapolis-St. Paul Metropolitan Area*.
9:00 Rowena Butland*, The University of the West Indies, *Urban Ontologies in the Management of Cultural Heritage Landscapes*.
9:20 Brian Edward Johnson*, Indiana University, *Tightly Controlling Exurbia: The Case of Porter County, Indiana*.

5126. Cultural Geographies of Globalization and the Environment

Room: Jackson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Shangrila Joshi Wynn, University of Oregon
8:00 Lize Mogel*, Artist; Editor, "An Atlas of Radical Cartography", *A Model World: Renewal, Representation, and World Expos*.
8:20 Shangrila Joshi Wynn*, University of Oregon, *Environmental Justice and India's stance in climate policy negotiations*.

5127. Native American Identities and Place

Room: Jefferson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): John Patrick Harty, University of Wyoming
8:00 Nina Roberts*, Northeastern Illinois University, *The Appropriation of Indigenous Culture in Santa Fe, New Mexico: Tourism and the Production of Place in the Land of Enchantment*.
8:20 Zhongwei Liu, Ph.D.*, University of Nevada, Las Vegas; William J. Smith Jr., Ph.D., University of Nevada, Las Vegas, *Development of a geodatabase on Native American tribes in Nevada, USA*.
8:40 Dave Stasiuk*, Kent State University, *Contestation of Place: Bear Butte and The Sturgis Motorcycle Rally*.
9:00 John Patrick Harty*, University of Wyoming, *'Lakota' or 'Dakota'? The Contested Representation of the Lakota in West River South Dakota*.

5128. Water, Energy, and Global Change (Sponsored by Water Resources Specialty Group, Energy and Environment Specialty Group)

Room: Johnson, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Christopher Scott, University of Arizona
 CHAIR(S): Christopher Scott, University of Arizona
8:00 Lisa M. Butler Harrington*, Kansas State University, *LNG, Public Opinion, and Decision-making: Conflict in Oregon*.
8:20 John G. Hintz*, Bloomsburg University of Pennsylvania, *Rushing to Riches: Nature in Crisis and the Marcellus Shale*.
8:40 Mike Pasqualetti*, Arizona State University, *Water and Solar Energy in the Southwest*.
9:00 Joseph H Hoover*, University of Denver, *An Arizona statewide energy for water assessment*.

5129. Agriculture, Forestry, and Developed Lands in the U.S.

Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)
 ORGANIZER(S): Christopher R. Laingen, Eastern Illinois University
 CHAIR(S): John C. Hudson, Northwestern University
8:00 John C. Hudson*, Northwestern University, *Corn Production and Corn Shipping in the North American Context*.
8:20 Chris Laingen*, Eastern Illinois University, *More Change in the Corn Belt*.
8:40 John Fraser Hart*, University of Minnesota - Minneapolis, *From bolls to boles*.
9:00 Roger F. Auch*, United States Geological Survey, *Contemporary U.S. Industrial Forestry- A Geographical Exploration of America's Wood Baskets*.
9:20 Darrell E. Napton*, USGS Visiting Scientist and South Dakota State University, *Developed Land Conversion in the Eastern United States: 1980 to 2000*.

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5130. Global Goods: Toward Ethnographies of Ethical Commodities (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**

Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Bradley Wilson, West Virginia University; Benjamin Neimark, Temple University

CHAIR(S): Debarati Sen, American University

8:00 Debarati Sen, Dr.*, American University, *Illusive Justice: Sub-national Desire, Labor Politics and Fair Trade in Darjeeling, India.*

8:15 Jennifer Osha, ABD*, West Virginia University, *The Power-Knowledge to Move Mountains.*

8:30 Keely B. Maxwell*, Franklin & Marshall College, *Who's Getting Fleeced? Vicuña Conservation and Commodification in Peru.*

8:45 Bradley Wilson*, West Virginia University, *Fair Game?: Ethical Coffee, Quality Control and Rent-Seeking in Nicaragua.*

9:00 Benjamin D Neimark*, Temple University, *Defining the 'Good': Industrializing Natural Products Drug Discovery in Madagascar.*

5131. Sedimentary Perspectives on Paleoenvironmental Change I (Sponsored by Climate Specialty Group, Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Kevin M Spigel, Unity College; Samantha W. Kaplan, University of Wisconsin - Stevens Point

CHAIR(S): Kevin M Spigel, Unity College

8:00 Kevin M Spigel*, Unity College, *Searching For Signs of the Younger Dryas in Acadia National Park, Maine: Preliminary Results.*

8:20 Mike Benedetti*, University of North Carolina Wilmington; Thomas A. Minckley, University of Wyoming; Jonathan A. Haws, University of Louisville; J. Michael Daniels, University of Denver; Caroline L. Funk, Independent Scholar; Nuno F. Bicho, Universidade do Algarve, Portugal; Steven L. Forman, University of Illinois-Chicago, *Praia Rei Cortiço I: Landscape response to climate and sea level change on the central Portuguese coast since the last interglacial stage.*

8:40 Thomas Minckley*, University of Wyoming; Simon Brewer, University of Wyoming; Jonathan Haws, University of Louisville; Michael Benedetti, University of North Carolina at Wilmington; J. Michael Daniels, University of Denver; Caroline Funk, Richfield, Minnesota; Nuno F. Bicho, Universidade do Algarve; Steven L. Forman, University of Illinois-Chicago, *Praia Rei Cortiço II: Late Quaternary paleobotany of the central Portuguese coast.*

9:00 Erik B. Larson*, Unity College; Kevin M. Spigel, Unity College, *Paleoenvironmental Change of Unity Pond, Waldo County, Maine, USA.*

9:20 Zachary P. Taylor*, University of Tennessee; Sally P. Horn, University of Tennessee; David B. Finkelstein, University of Tennessee, *A spatially-explicit, multiple-proxy reconstruction of maize agriculture from Laguna Zoncho, Costa Rica.*

5132. Embodied methodologies: using the body as a research instrument 1

Room: Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Susan Buckingham, Brunel University; Monica Degen

CHAIR(S): Susan Buckingham, Brunel University

8:00 Morgan Windram-Geddes*, University of Dundee, *bodies as 'becomings', children as 'beings': considering associations and contemplating critiques.*

8:20 Paola Jiron*, Universidad De Chile, *Embodying fieldwork, the risks involved in shadowing daily travelers.*

8:40 Maja de Neergaard*, Roskilde University, *The Interview as a Bodily Encounter.*

9:00 Sarah Bennett*, University of Plymouth, UK, *Re-forming the Institution: Re-enactment as an Artistic Research Method.*

5133. Global urban contributions to environmental change

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Peter Marcotullio; Jacob Garcia

CHAIR(S): Jacob Garcia

8:00 Peter Marcotullio*, Hunter College, CUNY; Jochen Albrecht, Hunter College, CUNY; Andrea Sarzynski, George Washington Institute of Public Policy; Lily Parshall, Columbia University, *A Global Geography of Urban Greenhouse Gas Emissions.*

8:20 Jochen Albrecht*, Hunter College CUNY, *Interdependencies among datasets for global climate change analysis.*

8:40 Jake Garcia*, Hunter College, *Carbon Emissions Trends Among World Cities.*

9:00 Robert Ian McDonald*, The Nature Conservancy, *Implications of Fast Urban Growth for Freshwater Provision and its Ecosystem Impacts.*

Discussant(s): William D. Solecki, Hunter College

5134. Historical Urban Mapping

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Ligia Maria Tavares Da Silva, Universidade Federal Da Paraiba

8:00 Samuel Smith*, *(Re)Building the City of Zion: The Emergence of Commercial Districts in American Mormon Settlements.*

8:20 Jeremy Fisher*, Pennsylvania State University, *Rethinking Regional Food: Food Culture and Food Economy in Historical Perspective.*

8:40 Melanie Jones*, University of Cambridge, *Public and Private Urban Nature in Atlanta, 1870-1915.*

9:00 Ligia Maria Tavares Da Silva, Professor*, Universidade Federal Da Paraiba, *Sugarcane Civilization and Urbanization in the First Half of the Nineteenth Century's Northeast Brazil.*

5135. Bison, Bats, Sparrows, Turtles and Whales

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Matthew Batina

8:00 L. Lynnette Dornak*, University of Kansas, *Spatiotemporal variation of three grassland sparrow species across three spatial scales: Local, Route, and Global.*

8:20 Alana Joseph*, The University of the West Indies; Paul Shaw, Department of Geography, The University of the West Indies; Matthew Wilson, The Department of Geography, The University of West Indies, *A Preliminary Study of the Effects of Seasonal Beach Dynamics on the Nests of the leatherback turtle (Dermochelys coriacea) at Matura.*

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100

- 8:40** Traci Warkentin, PhD, MA, BSc*, Dept of Geography, Hunter College - CUNY, *Do captive whales dream of cement walls?: Geographies of perception, agency, and transformation in aquariums.*
- 9:00** Matthew C. Kales*, U.S. Fish and Wildlife Service, *Thunder on the Prairie: The Evolution of Bison Conservation in the National Wildlife Refuge System.*
- 9:20** Matthew Batina*, The University of Southern Mississippi; Carl A. Reese, Ph.D., The University of Southern Mississippi, *A Holocene pollen record recovered from a guano deposit, Round Spring Cavern, Missouri.*

5138. Location and Spatial Analysis I (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

- ORGANIZER(S): Daoqin Tong, University of Arizona; Eric M. Delmelle, UNC-Charlotte
- CHAIR(S): Daoqin Tong, University of Arizona
- 8:00** Eric M. Delmelle*, UNC-Charlotte, *Local and global objectives to optimize sampling patterns.*
- 8:20** Yuhong Zhou*, UNC at Charlotte; Thi Hong Diep Dao, UNC at Charlotte; Jean-Claude Thill, UNC at Charlotte; Eric Delmelle, UNC at Charlotte, *Visualization Techniques in Support of Indoor 3D Facility Location Modeling.*
- 8:40** Jing Yao*, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University; Alan T. Murray, GeoDa Center for Geospatial Analysis and Computation, School of Geographical Sciences and Urban Planning, Arizona State University; Sarah Hayford, Center for Population Dynamics, School of Social and Family Dynamics, Arizona State University; Victor Agadjanian, Center for Population Dynamics, School of Social and Family Dynamics, Arizona State University; Boaventura Cau, Center for Population Dynamics, School of Social and Family Dynamics, Arizona State University, *Regional Variability of Women's HIV/AIDS Risks: A Case Study of Gaza, Mozambique.*
- 9:00** William F. Wiczorek*, Buffalo State College; Alan M. Delmerico, Buffalo State College; David Wong, George Mason University, *Comparison of Methods to Aggregate Points into Neighborhood Areas.*
- 9:20** Benjamin Spaulding*, University of Connecticut; Robert Cromley, Ph.D., University of Connecticut, *A Game Theoretic Approach to the Maximal Covering Prevention Location Problem.*

5140. Land Use and Spatial Analysis

Room: Truman, Marriott, Mezzanine Level (Paper Session)

- ORGANIZER(S): Program Committee
- CHAIR(S): Seth Myers, SUNY ESF
- 8:00** Oh Seok Kim*, Department of Geography, University of Southern California, *Comparison of Two GIS-based Land Change Modules for Constructing REDD Baselines in Bolivia.*
- 8:20** Matthew T. Salava*, Student, University of Wyoming, *Integrative Modeling of Visual and Environmental Impacts.*
- 8:40** Jinxia Zhu*, UC Merced; Qinghua Guo, UC Merced; Thomas C. Harmon, UC Merced, *Land use/ land cover change detection using object-based change vector analysis in posterior probability space.*
- 9:00** Seth Myers*, SUNY ESF; Myrna H. Hall, SUNY ESF, *How affluence "shrinks" and "flattens" the landscape: the influence of income on constraints to land development.*

5141. Familiar patterns, unexpected processes: reconstructing land mosaics. (Sponsored by Rural Geography Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

- ORGANIZER(S): Darla Munroe, Ohio State University
- CHAIR(S): Jill K. Clark, Department of Geography, The Ohio State University
- 8:00** Jill K. Clark*, Ohio State University; Ronald McChesney, Ohio State University; Elena G. Irwin, Ohio State University; Ciriya Jayaprakash, Ohio State University; Douglas Wrenn, Ohio State University, *AutoFarm: How Farmers Pre-Wired the Future Exurban Landscape.*
- 8:20** Steven M. Manson*, University of Minnesota; Shipeng Sun, University of Minnesota; Kristin Nelson, University of Minnesota; Nick Jordan, University of Minnesota, *Linking Landscape Pattern and Process via Sociospatial Networks.*
- 8:40** Eric Keys*, University of Florida; Rinku Roy Chowdhury, Indiana University, *Bid rents and social capital: Commodity prices and land use in southern Mexico.*
- 9:00** Darla K. Munroe*, Ohio State University; Kendra McSweeney, Ohio State University; Becky Mansfield, Ohio State University; Desheng Liu, Ohio State University, *Environment-economy relationships in the forests of Appalachian Ohio.*
- 9:20** Rinku Roy Chowdhury*, Indiana University; Emilio F. Moran, Indiana University, *A Critical Review of Theoretical, Methodological and Empirical Contributions of Kuznets.*
- 5142. Rethinking the space-times of decision-making I (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)**
- Room:* Wilson A, Marriott, Mezzanine Level (Paper Session)
- ORGANIZER(S): Tim Schwanen, University of Oxford; Derek McCormack, University of Oxford
- CHAIR(S): Gordon L. Clark, University of Oxford
- 8:00** Derek P. McCormack*, University of Oxford, *The im/possible spaces of decision-making.*
- 8:20** Jennie Middleton*, University of Plymouth, *"I'm on autopilot, I just follow the route": exploring the habits, routines and practices of everyday urban mobilities.*
- 8:40** Russell S. Hitchings*, UCL, *Indoor addiction and ways of encouraging office workers outside.*
- 9:00** Qi Han*, Eindhoven University of Technology; Theo Arentze, Eindhoven University of Technology; Harry Timmermans, Eindhoven University of Technology, *Learning and Affective Responses in Location Choice.*
- 9:20** Tim Heinemann*, Queen Mary, University of London, *"No Science!" The Art of forecasting financial futures of Emerging Markets.*

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100

- 5143. Environmental Health Justice Research: Current Topics and Emerging Issues I (Sponsored by Health and Medical Geography Specialty Group, Urban Geography Specialty Group, Geographic Information Science and Systems Specialty Group)**

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Juliana Maantay, Lehman College/CUNY

CHAIR(S): Juliana Maantay, Lehman College/CUNY

8:00 Jayajit Chakraborty*, University of South Florida; Juliana Maantay*, Lehman College/CUNY, *Proximity to Environmental Hazards and Disproportionate Environmental Health Impacts.*

8:20 Liam Downey, Ph.D.*, Department of Sociology, University of Colorado, *Using Distance Decay Techniques and Household-Level Data to Explore Regional Variation in Environmental Inequality.*

8:40 Ellen K. Cromley, Ph.D.*, Institute for Community Research, *The Impact of Changes in Municipal Solid Waste Disposal Laws on Proximity to Environmental Hazards.*

9:00 Carol L. Hanchette, Ph.D.*, University of Louisville; Timothy E. Aldrich, Ph.D., MPH, East Tennessee State University; Jong-Hyung Lee, M.A., Korea Ocean Research & Development Institute, *Asthma, Air Quality and Environmental Justice in Louisville, Kentucky.*

9:20 Andrew R Maroko*, City University of New York, *Cardiovascular disease, exposure to fine particulate matter, and environmental health justice in New York City.*

- 5144. Payments and Markets for Ecosystem Services I: Interaction with Rural Communities in the Global South (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)**

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

ORGANIZER(S): Morgan Robertson, University of Kentucky; Elizabeth N. Shapiro, University of California, Berkeley

CHAIR(S): Morgan Robertson, University of Kentucky

8:00 Sarah Milne*, University of Cambridge, *From citizens to service providers: The social effects of 'community-level' payments for biodiversity conservation services in Cambodia.*

8:20 Tracey Osborne*, UC Berkeley, *Fixing Carbon, Losing Ground: Carbon Forestry and Land Privatization in Chiapas, Mexico.*

8:40 Joel NH Scriven*, University of Oxford, *Asking the owners: Local livelihoods and carbon forestry preferences on an Amazonian frontier.*

9:00 Philip Osano*, McGill University; Mohamed M. Said, International Livestock Research Institute (ILRI), *Payments to Promote Biodiversity Conservation and the Implication for Poverty Reduction among Pastoral Communities in East Africa.*

9:20 Gert Themba Van Hecken, M.Sc.*, IOB; Johan Bastiaensen, Prof Dr., IOB, *Can Payments for Ecosystem Services buy environmentally-sound land use change? Opportunities and limitations of the market-based approach in a Nicaraguan pilot project.*

- 5146. Geography's contributions to Environmental Programs in North America**

Room: Lincoln Room 2, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Andrew Millington, Texas A&M University

CHAIR(S): Andrew Millington, Texas A&M University

Panelists: James D. Proctor, Lewis and Clark College; James Eflin, Ball State University; Andrew Millington, Texas A&M University; Michael Slattery, Texas Christian University

- 5147. Cultural/Spatial Dialectics in Spain (I): Work at the Intersection of Iberian Cultural Studies and Geography**

Room: Lincoln Room 3, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Benjamin Fraser, Christopher Newport University; David L. Prytherch, Miami University

CHAIR(S): Benjamin Fraser, Christopher Newport University

8:00 Benjamin Fraser*, Christopher Newport University, *The 'Motion of Emotion' and the Basque Band Lisabö.*

8:20 Josep-Vicent Boira-Maiques*, *City, republic and freedom: Ernest Hemingway and the Spanish Civil War. The case of Valencia..*

8:40 Malcolm Alan Compitello*, University of Arizona, *Sketching the Future Furiously: Graphic Design and Urban Imaginaries in the 1980s in Spain.*

- 5148. Economic Geography of Global Production**

Room: Lincoln Room 4, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Petr Pavlinek, University of Nebraska at Omaha

8:00 Godwin Arku*, The University of Western Ontario; Catherine Oosterbaan, The University of Western Ontario, Department of Geography, *Economic Development in Ontario, Canada: An Examination of Activities and Challenges of Economic Development Corporations.*

8:20 Michael C. Carroll*, Bowling Green State University; Michael Taylor, University of Birmingham, *Understanding Corporate Structural Change in Recession.*

8:40 Jung-In Choi*, Korea University; Yong-Sook Lee, Korea University, *The Embeddedness of TNCs in the Masan Free Trade Zone: A case study of Nokia TMC.*

9:00 Martin Franz*, Philipps-University Marburg, *The role of resistance in a retail production network: protests against supermarkets in India.*

9:20 Petr Pavlinek*, Charles University in Prague and University of Nebraska at Omaha; Jan Zenka, Charles University in Prague, *Industrial Upgrading in the Czech Automotive Industry.*

- 5149. Geography Awareness Week: Building Demand for Geographic Education**

Room: Lincoln Room 5, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Sarah Caban, National Geographic Education Foundation

CHAIR(S): Sarah Caban, National Geographic Education Foundation

Panelists: Susan Gallagher, Association of American Geographers; Sarah Caban, National Geographic Education Foundation; Nairne Cameron, Algoma University

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5150. Cultures of governing, governing by culture, governing culture 1**

Room: Lincoln Room 6, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Jessica Pykett, Aberystwyth University
 CHAIR(S): Jessica Pykett, Aberystwyth University
8:00 Ealasaid Munro*, University of Edinburgh, *A therapeutic role for museums and galleries?: from governance to guidance in the cultural sector.*
8:20 Nick Mahony*, Centre for Citizenship, Identities and Governance, *Spectacular Political Experiments.*
8:40 Ebru Ustundag*, Brock University, *Ethics of Governing Citizens: Istanbul 2010.*
9:00 David Beel*, University of Glasgow, *Unpacking 'The Will to Empower' in Glasgow Museums.*

5151. The Demographic Landscape as a Dynamic Predictor of Political, Developmental and Security Outcomes (Sponsored by Population Specialty Group, Political Geography Specialty Group)

Room: Washington Room 1, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Richard P. Cincotta, H.L. Stimson Center; Laurel J. Hummel, United States Military Academy
 CHAIR(S): Richard P. Cincotta, H.L. Stimson Center
 Introducer: Richard P. Cincotta
8:05 Peter Camilli*, University of Oklahoma, *United States Presidential Election County-Level Voting Patterns in the 'Upper Midwest Triangle'.*
8:25 Elizabeth Leahy Madsen*, Population Action International, *Changes in Age Structure among Urban and Rural Populations.*
8:45 Richard P. Cincotta, PhD*, Demographer-in-residence, H.L. Stimson Center, *Population Age Structure as a Predictor of Stable Liberal Democracy: Looking Ahead to 2030.*

5153. Debating The Theory, Practice & Impact of Transfrontier Conservation I (Sponsored by Africa Specialty Group, Political Geography Specialty Group, Cultural Geography Specialty Group)

Room: Washington Room 3, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Elizabeth Lunstrum, York University; Maano Ramutsindela
 CHAIR(S): Maano Ramutsindela
8:00 Rachel DeMotts*, University of Puget Sound, *From Katima to KAZA: The Practice of Politics in Conserving a Border Environment.*
8:20 Noella Gray*, University of Guelph, *Transfrontier Marine Conservation and the Political Ecology of Scale.*
8:40 Elizabeth Lunstrum*, York University, *Reorganizing Borders, Reorganizing Mobilities: Transfrontier Conservation, Labour Migration, and the Transformation of the Mozambican - South African Border.*
9:00 Christine Noe*, University of Cape Town, *Ecological Corridors and the Borderless Notion of Transfrontier Conservation Areas.*
 Discussant(s): Parakh Hoon, Virginia Tech

5154. Landscape and Poverty I (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Clayton Rosati, Bowling Green State University; Carrie Breitbach, Chicago State University
 CHAIR(S): Carrie Breitbach, Chicago State University
8:00 Clayton Rosati*, Bowling Green State University, *"Gilded Poverty"...?: Times Square, Consumer Landscape, and Spectacular Poverty.*
8:15 Melanie Bedore, Ph.D. candidate*, Queen's University, *Urban Food Systems and Social Justice.*
8:30 Christa Smith*, Clemson University, *Affordable Housing for All: The Impact of Habitat for Humanity on the Low-Income Residential Landscape.*
8:45 Don Mitchell*, Syracuse University, *Producing the Landscape of Poverty: The Bracero Program in the Imperial Valley.*
 Discussant(s): Laura Barraclough, Kalamazoo College

5155. Perspectives on Geographic Complexity (6): Urban Systems I (Sponsored by Health and Medical Geography Specialty Group, Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State University; Suzana Dragicevic, Simon Fraser University
 CHAIR(S): Moira Zellner, University of Illinois-Chicago
8:00 Suzana Dragicevic*, Simon Fraser University; Liliana Perez, Simon Fraser University, *Simulating Disease Outbreak in an Urban Environment: Agent Based Approach.*
8:20 Atesmachev Hailegiorgis*, Department of Computational Social Science, Center of Social Complexity, George Mason University, *Changing Residence in the City: An agent based model of Residential Mobility in Arlington County.*
8:40 Yichun Xie, Dr.*, Eastern Michigan University, *Simulating Urban Development in Water-constrained Northwest China: A Case Study along the Mid-Section of Silk Road.*
9:00 Ninghua Wang*, San Diego State University/University of California Santa Barbara; Lin Liu, University of Cincinnati, *Analyzing spatial effects of hotspot policing with a simulation approach.*
9:20 Dominik P.H. Kalisch*, Bauhaus-Universität Weimar; Hermann Koehler*, Bauhaus-University Weimar, Germany; Reinhard Koenig, Bauhaus-University Weimar; Jens Steinhöfel, Bauhaus-University Weimar; Frauke Anders, Bauhaus-University Weimar, *Computer-Based Methods for a Socially Sustainable Urban and Regional Planning.*

5156. Assemblage and Geography

Room: Blue Room, Omni Shoreham (Panel Session)
 ORGANIZER(S): Colin McFarlane, Durham University; Ben Anderson, Durham University
 CHAIR(S): Colin McFarlane, Durham University
 Panelists: John R. Allen, The Open University; Eugene McCann, Simon Fraser University; Paul Harrison; John-David C. Dewsbury, University of Bristol

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100**5159. Cyberinfrastructure Applications**

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Gita A. Urban-Mathieux, United States Geological Survey

8:00 Onyewuchi Obirize*, Department of Geography & Earth Science, University of North Carolina Charlotte, *Cyber-Spatial Interaction between Nodes in a Contiguous Space*.

8:20 Megan Hines, University of Wisconsin-Madison, NBII Wildlife Disease Information Node; Jennifer Carlino*, USGS - National Biological Information Infrastructure (NBII); Marcia McNiff, USGS - NBII, *Global Wildlife Disease News Map - Putting Wildlife Health News on the Map!*.

8:40 Linna Li*, University of California, Santa Barbara; Michael F. Goodchild, University of California, Santa Barbara, *Automatic feature matching in conflation by optimization*.

9:00 Brigitta A. Urban-Mathieux, NSDI CAP Coordinator*, United States Geological Survey, *NSDI CAP - A Resource for Building your Spatial Data Infrastructure*.

5160. Topics in Spatial Analysis and Modeling

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Yongmin Yan, Bechtel Corporation

8:00 Deborah Milam*, San Diego State University, *Investigating the utility of an epistemic approach to spatiotemporal estimation in the Arctic*.

8:20 Weimin Li*, California State Polytechnic University, *Capitalizing the Value of Urban Environmental Amenities with Geospatial Information and Technologies*.

8:40 Yongmin Yan, Ph.D.*, Bechtel Corporation, *A New Method for Processing NEXRAD Stage III Hourly Precipitation Data and Developing Mean Areal Precipitation Time Series for Watershed Analysis*.

5163. Remote Sensing and Biogeography

Room: Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Curtis D. Holder, University of Colorado, Colorado Springs

8:00 Nate Currut*, Texas State University - San Marcos; Jiao Wang, Texas State University - San Marcos; Xuelian Meng, Texas State University - San Marcos, *Vegetation Phenology and Precipitation Patterns in the Conchos River Basin, Chihuahua, Mexico*.

8:20 Zachary Christman*, Clark University, *Noise vs. signal: Modeling natural variability in the context of land change in central Mexico*.

8:40 Ralph Dubayah*, University of Maryland - College Park, *Estimating Carbon Sequestration and Loss Using Lidar Remote Sensing: A Case Study For Tropical Forests*.

9:00 Bardan Ghimire*, Graduate School of Geography, Clark University; John Rogan, Graduate School of Geography, Clark University; Amy Ickowitz, Department of Economics, Clark University, *Mapping the Distribution of Chromolaena Odorata in Cameroon using Landsat ETM+ Data*.

9:20 Curtis D. Holder*, University of Colorado, Colorado Springs, *Relationships between Leaf Optical Properties, Leaf Water Repellency, and Leaf Traits*.

5165. New Path-Shaping in Post-Socialist Cities I (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Director's, Omni Shoreham (Paper Session)

ORGANIZER(S): Megan Dixon, College of Idaho; Ludek Sykora, Charles University in Prague

CHAIR(S): Megan Dixon, College of Idaho

8:00 Megan Dixon*, College of Idaho, *Integrating New Paths, Excavating Old Spaces*.

8:20 Ludek Sykora*, Charles University in Prague, *From Chicago to Los Angeles: Past and Present in the Landscapes of Post-socialist Cities*.

8:40 Oleg Golubchikov, Dr*, University of Oxford, UK, *The landscape of inequality: path dependence and path creation in the economic transformation of Russian cities*.

9:00 Carola Silvia Neugebauer*, Leibniz Institute for Regional Geography; Isolde Brade, Leibniz-Institute for Regional Geography; Günter Herfert, Leibniz Institute for Regional Geography, *Same appearance - different processes? The "new old" socio-spatial patterns in Central Eastern European Cities*.

Discussant(s): Zoltán Kovács

5166. Critical Geographies of Race and Critical Race Theory I: Race, Place, and Policy (Sponsored by Geographic Perspectives on Women Specialty Group, Socialist and Critical Geography Specialty Group, Population Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Rebecca Burnett, University of Washington; Michael Babb, University of Washington

CHAIR(S): Tricia Ruiz, University of Washington

8:00 Jessica De La Ossa*, University of Arizona, *"You lie!": America's oedipal complex*.

8:20 Lawrence D. Berg*, University of British Columbia, *Geography, (Neo)Liberalism, White Supremacy*.

8:40 Rebecca Burnett*, University of Washington, *Reworking Citizenship: Geographies of Welfare Reform*.

9:00 Bradley S Gardener*, CUNY Graduate Center - STRC, *What does it mean to become 'white'? Race, space, and privilege in the West Bronx*.

9:20 Michael Babb*, University of Washington, *Categorical (re)assignment: Imputation of Race in the 2000 US Census*.

5174. Migration and Gender

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Natalie K. Jensen, University of South Carolina

8:00 Neslihan Ataturk*, University of Wisconsin-Madison, *Invisible Places of Invisible Women: The perception of "home" of immigrant domestic woman workers in Turkey*.

8:20 Hyun Uk Lee*, *Regional labor market of Korean young women*.

8:40 Tanja Bastia*, University of Manchester, *Emancipatory migrations? A transnational Bolivian community in Argentina and Spain*.

9:00 Adina Batnitzky, PhD*, University of Texas at Austin, *The Arab American "Health Paradox?" Spatial Pathways of Gender, Ethnicity and Health*.

9:20 Natalie K. Jensen*, University of South Carolina, *'Jenini girls' and 'Binat Ramallah': Displacement, Diaspora and Discrimination in the West Bank*.

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5175. Development and Redevelopment

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Juan M. Gonzalez, Universidad De Los Andes

8:00 Amanda Fickey, M.A.*, University of Kentucky, *Rendering Regional Development Technical: An Examination of "Appalachia: A Report by the President's Appalachian Regional Commission, 1964"*.

8:20 David A. Padgett*, Tennessee State University; Nikitah Imani, PhD, James Madison University, *May Town Center Black, Green and Blues*.

8:40 Juan M. Gonzalez*, Universidad De Los Andes, *Development, poverty and co-responsibility*.

5176. Burning and Resilience

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James Kernan, SUNY Geneseo

8:00 Hua Shi*, ARTS, USGS/EROS; Todd Hawbaker, USGS; Matthew Rollins, USGS/EROS; James Vogelmann, USGS/EROS, *The influence of climate variables and phenology on the patterns of burn severity*.

8:20 Kyra Engelberg*, CA State University, Long Beach, *When Nature Attacks: Physical Geography Research Disasters*.

8:40 Michael Pease*, Central Washington University, *Monitoring Post-Wildfire Hydrologic, Ecologic, and Geomorphic Dynamics on the Trigo Fire, New Mexico*.

9:00 Scott L Collins*, University of New Mexico; Melinda D Smith, Yale University; Alan K Knapp, Colorado State University; John M Blair, Kansas State University; Richard W S Fynn, University of KwaZulu Natal; Deron E Burkepile, Florida International University; Greg M Buis, Colorado State University; Navashni Govender, South African National Parks; Kevin P Kirkman, University of KwaZulu Natal, *Fire and Grazing Effects on Ecosystem Dynamics in North American and South African Grasslands*.

9:20 James Kernan*, SUNY Geneseo; Kelly Aughenbaugh, College of Wooster; Brian Harvey, San Francisco State University; James Hayes, California State, Northridge; Daniel A. Marion, USDA Forest Service; John Peterson, Virginia Tech University; Ashley Pipkin, Texas A&M University; Margot Kaye, The Pennsylvania State University; Kerry Riley, Boise State, *Recent Fire History of the Tekoa Mountain Wildlife Management Area, MA*.

5177. Natural Hazards Vulnerability

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Clark Seipt, START

8:00 Heike Hartmann*, Slippery Rock University; Stefan Becker, University of Wisconsin Oshkosh; Lorenz King, Justus Liebig University Giessen; Tong Jiang, China Meteorological Administration, *Medium-term forecast of rainfall for the Yangtze River basin and its relevance for flood prevention*.

8:20 Anna Greissing*, CREDAL/CNRS, University of Paris III; Le Tourneau François-Michel, CNRS/CREDAL; Guillaume Marcjand, CREDAL/CNRS; Stéphanie Nasuti, CREDAL/CNRS- Université de Paris III, *Duramaz: an indicator system for measuring sustainability at local level in the Brazilian Amazon*.

8:40 Kuan-Hui Elaine Lin*, National Taiwan University; Chang-yi David Chang, National Taiwan University, *An Evolutionary Perspective for Livelihood Vulnerability Assessment in Indigenous Communities: A Case Study from Taiwan*.

9:00 Clark Seipt*, START; Jon Padgham, START; Jyoti Kulkarni, START; Hassan Virji, START, *Enabling resilience and sustainability: Capacity development as an adaptation response*.

5178. Changing Population and Health in Europe and Canada

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Philip Baiden, The University of Western Ontario

8:00 Myriam Baron*, Claude Grasland; Dominique Riviere; Camille Schmoll, *Shrinking Regions in Europe. Definitions, realities, limits*.

8:20 Jirina Kocourkova*, Charles University Prague, *Cross-national variations in reproductive behaviour of European populations: divergence or convergence?*.

8:40 Harley E. Johansen*, University of Idaho; Patrick Fitzsimons, University of Idaho, *Comparative Development and Climate Change in High Latitude Nordic and Russian Municipalities*.

9:00 John Östh*, Uppsala University, Stockholm university, *Towards a voluntary force army - population geography trends in the Swedish conscription army 1990-2006*.

9:20 Philip Baiden*, University of Western Ontario; Fernando Rajulton, University of Western Ontario, *Effects of Housing Quality on Self-rated General Health of Older People in Canada*.

5179. Multimedia GIS and GIS for Special Needs

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Jeremy White, University of Wisconsin

8:00 James Robert Marston, Ph.D*, University of California Santa Barbara; Guofeng Cao, University of California Santa Barbara, *Making Geographical Information Accessible for People with Low Vision*.

8:20 Matthew James Kelley, Ph.D.*, University of Washington, Tacoma, *Rethinking the Geography of Urban Community Indicators: the Role of Volunteered Geographic Information and Multimedia Technology*.

8:40 Shunfu Hu*, Southern Illinois University Edwardsville, *Multimedia Mapping: Past and Future*.

9:00 Jeremy White*, University of Wisconsin, *Introduction to MapNodes, a Modular Approach to GIS*.

5180. The Role of Geotechnologies in Geography Education

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Suleyman Incekara, Fatih University

8:00 MARY FARGHER*, *Critical GIS: Re-thinking approaches to using geo-technologies in geography education*.

8:20 Ali Demirci*, Fatih University, Department of Geography; Ahmet Karaburun, Fatih University, Department of Geography; Mehmet Ünlü, Marmara University, Department of Geography; Ramazan Özey, Marmara University, Department of Geography, *GIS is Bringing Schools and Society Together: Conducting GIS-Based Projects in Pilot Schools in Turkey*.

8:40 Katsuhiko Oda*, Texas A&M University, *Scoring Spatial Concept Maps for GIS Course*.

9:00 Amanda English*, University of New Orleans/Naval Oceanographic Office, *A Study on Geography Programs and their Technical Geography Courses*.

9:20 Suleyman Incekara*, Fatih University; Mehmet Karakuyu, Fatih University, *How Are GIS Conferences at Fatih University Contributing to Geography Education in Turkey?*.

SUNDAY, APRIL 18 • 8:00 AM - 9:40 AM • 5100

- 5181. Wildlife Habitat, Conservation, and Ethnobotany**
Room: *Cleveland 2, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Qing Ying
8:00 Andrea Wolf*, University of Florida, *The Ecological Footprint of Elephants on Vegetation Components (grass, trees, large mammals) Along the Chobe Riverfront, Northern Botswana.*
8:20 Maria Grace Fadiman, PhD*, Florida Atlantic University, *Kauri Ethnobotany: Identity, Nationalism and Connection in New Zealand.*
8:40 Jessica Forrest*, World Wildlife Fund; Eric Wikramanayake, PhD, World Wildlife Fund; Rinjan Shrestha, PhD, World Wildlife Fund - Nepal; Kinley Gyeltshen, World Wildlife Fund - Bhutan; Gokarna Jung Thapa, World Wildlife Fund - Nepal; Robin Naidoo, PhD, World Wildlife Fund, *A Climate-Proof Conservation Plan for the Snow Leopard in the Eastern Himalayan Landscape, Nepal, India, and Bhutan.*
9:00 Qing Ying*, State Key Laboratory of Remote Sensing Science Institute of Remote Sensing Applications, Chinese Academy of Sciences, *Water Birds' Tracking with Stereo-Videography Supported by Wireless Sensor Networks.*

- 5182. Remote Sensing and Visualization Tools in Geography Education**
Room: *Lincoln Room 1, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Matthew Cuvillo, Department of Geography and Environmental Engineering
8:00 Rachel M.K. Headley, PhD*, United States Geological Survey; Jeannie Allen, Sigma Space Corp, NASA GSFC, *Enabling Educators with Free Landsat Data.*
8:20 Ilkka Ratinen*, University of Jyväskylä, *Google Earth as a tool for geographical reasoning.*
8:40 Kelly Ann Renwick*, Appalachian State University; Christopher Badurek, Appalachian State University, *Assessment of Using Web 2.0 to Teach the Diaspora of African Music in World Regional Geography Courses.*
9:00 Matthew P. Cuvillo*, West Point, *Evaluating Google Earth in Classroom Instruction.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200

- 5204. Topics in Coastal and Marine Geography II**
Room: *Embassy, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Martin Robards, Marine Mammal Commission
10:00 Jiyeon Choi*, Korea Maritime Institute; Heejung Choi, Korea Maritime Institute; Jiho Jung, Korea Maritime Insitutue; Sung-Jae Choo, Kyung Hee University, *Coastal Conflicts Management in KOREA.*
10:20 Christopher Brehme*, Keene State College, *Spatial cognition and trap placement strategies of Maine lobster fishers.*
10:40 Martin D Robards, PhD*, Marine Mammal Commission; Randall R Reeves, PhD, Okapi Wildlife Associates, *The Global Extent, Character, and Governance of Marine Mammal Harvests for Human Consumption.*
- 5205. New Frontiers of Post-Conflict Reconstruction II (Sponsored by Qualitative Research Specialty Group, Political Geography Specialty Group, Ethics, Justice, and Human Rights Specialty Group)**
Room: *Ethan Allen, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Erinn Patrick Nicley, University of Illinois
 CHAIR(S): Elizabeth A. Oglesby, University of Arizona
10:00 Lynn A Staeheli*, University of Edinburgh; Daniel Hammett, University of Witwatersrand, *Neoliberal Reconciliation? Race, Inequality and Citizenship Education in South Africa.*
10:20 Stephanie Terreni Brown*, University of Edinburgh, *Eritrean refugees in the UK: perspectives on community reconstruction and development.*
10:40 Amy Ross*, University of Georgia, Athens, *Problematising the 'post' in 'post-conflict reconstruction.'*
11:00 Elizabeth A. Oglesby*, University of Arizona, *Victim Reparations and Postwar Subjectivities in Guatemala.*
 Discussant(s): Jennifer Hyndman, York University

- 5208. Urban Climate: Local, regional and global impacts - I (Sponsored by Climate Specialty Group, Urban Geography Specialty Group, Human Dimensions of Global Change Specialty Group)**
Room: *Maryland Suite A, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Chandana Mitra, University of Georgia
 CHAIR(S): Marshall Shepherd, University of Georgia
10:00 Chandana Mitra*, University of Geogria; Chandana Mitra, PhD Candidate, University of Georgia, *Influence of urban land cover dynamics on precipitation in the city of Kolkata, India.*
10:20 Elizabeth A. Wentz*, Arizona State University; Soe Win Myint, Arizona State University; Anthony J. Brazel, Arizona State University, *Outdoor Water Consumption and the Impact on Urban Heat in Phoenix Arizona.*
10:40 Winston T.L. Chow*, Arizona State University, *Urban heat island research in Phoenix, Arizona: A historical overview and future challenges to sustainability and climate change.*
11:00 Marshall Shepherd*, University of Georgia; Thomas Mote, University of Georgia; Pam Knox, Office of the State Climatologist, Georgia; John Dowd, University of Georgia; Mike Rhoden, University of Georgia; Steve McCutcheon, EPA, *Unique Perspectives on How Synoptic Forcing and Urban Land Cover Contributed to the Disastrous Atlanta Floods of 2009.*
11:20 Dale A. Quattrochi*, NASA MSFC; Maurice Estes, Jr., MCP, Universities Space Research Association; William Crosson, Ph.D., Universities Space Research Association; Mohammad Z Al-Hamdan, Ph.D., Universities Space Research Association, *Heat Island Mitigation Measures in Response to Climate Change Impacts.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200

- 5209. Complex Choices in an Uncertain World: Organizational decision-making in an era of climate change (Sponsored by Human Dimensions of Global Change Specialty Group)**
Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): James M Jeffers, Rutgers University; Adelle Thomas, Rutgers University
 CHAIR(S): Mark Barnes, Rutgers, The State University of New Jersey
 10:00 Mark Barnes*, Rutgers, The State University of New Jersey, *From Climate Change to Hazards: Toward a Global Environmental Policy Agenda for a Historically Black Greek Letter Organization in the 21st Century.*
 10:20 Kalpana Venkatasubramanian, PhD Student (1 year)*, Geography, Rutgers University, *Examining Climate Change Assessments and Adaptation Initiatives in India through a Postcolonial Perspective.*
 10:40 James M Jeffers*, Rutgers University, *Conceptualising Climate Hazards: Reflections on adaptation, vulnerability and decision-making in coastal cities.*
 11:00 Adelle Thomas*, Rutgers University, *Flood Control in an Era of Climate Change.*
 11:20 Peter Vancura*, Rutgers University, *Toward Just Assessments of Climate Adaptation.*
- 5210. Capturing Cosmopolitanisms**
Room: Maryland Suite C, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Katy Jenkins, Northumbria University; Matt Baillie Smith, Northumbria University
 CHAIR(S): Katy Jenkins, Northumbria University
 10:00 Matt Baillie Smith*, Northumbria University; Nina Laurie, Newcastle University; Peter Hopkins, Newcastle University; Betsy Olson, Edinburgh University, *Cosmopolitanism, faith and community: young people, international volunteering and development in Latin America..*
 10:20 Tracey Skelton, Professor*, National University of Singapore, *Cosmopolitan? Isn't it a cocktail? Talking to young Singaporeans and Aucklanders about cosmopolitanism.*
 10:40 Darryl Humble*, Northumbria University, *Cosmopolitan Encounters in Development Education.*
 11:00 Matt Baillie Smith, PhD, Northumbria University; Katy Jenkins, PhD*, Northumbria University, *The personal is problematic: Capturing activist biographies and NGO narratives in South India.*
 Discussant(s): Jon R. Binnie, Manchester Metropolitan University
- 5211. A World of Changes: 30th Anniversary of the Journal of Cultural Geography (Sponsored by Cultural and Political Ecology Specialty Group, Cultural Geography Specialty Group)**
Room: Nathan Hale, Marriott, Lobby Level (Interactive Short Paper Session)
 ORGANIZER(S): William E. Doolittle, University of Texas
 CHAIR(S): Alyson L. Greiner, Oklahoma State University
 10:00 Alyson L. Greiner, PhD*, Oklahoma State University, *Thirty Years of the Journal of Cultural Geography.*
 10:10 William E. Doolittle*, University of Texas, *Mexico: From the 19th to the 21st Century in Three Decades.*
 10:20 Carol Prorok, Ph.D.*, Geographer, *Trini tuh deh Bone.*
 10:30 Gregory W. Knapp*, University of Texas - Austin, *Ecuador and the Andes: Three Decades.*
 10:40 Gregory Veeck*, Western Michigan University, *Westward Ho: Chasing Rural China Across Time and Space.*
 10:50 Nigel J R Allan, Professor Emeritus of Geography*, UC Davis, *Himalaya: 44 Years of Research.*
 11:00 Kent Mathewson*, Louisiana State University, *Geographers and the Practice of Repeat Visitation.*
 Discussant(s): Lydia M. Pulsipher, University of Tennessee
- 5212. Post-Apartheid Geographies of South Africa and its Region 2 (Sponsored by Africa Specialty Group)**
Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Belinda Dodson, University of Western Ontario
 CHAIR(S): Belinda Dodson, University of Western Ontario
 Introducer: Belinda Dodson
 10:05 Richard A. Schroeder*, Rutgers University, *Parsing Race and Nation in the Post-apartheid Era: South Africa's Marked Presence in Tanzania.*
 10:25 Paul A. McClaughry*, Christopher Newport University; Brennan M. Kraxberger*, Christopher Newport University, *South Africa in Africa, 1990-2010.*
 10:45 David Simon*, Royal Holloway, University of London, *The climate change challenges for regional integration in southern Africa.*
 11:05 Peter Henshaw, Ph D (Cantab)*, University of Western Ontario; Richard Gibb, D Phil (Oxon)*, University of Plymouth, *Disintegration of the Southern African Customs Union.*
 Discussant(s): Jennifer Robinson, Open University
- 5213. Extractive Frontiers: New Directions in Extractive-Sector Research (Sponsored by Cultural and Political Ecology Specialty Group)**
Room: Park Tower 8209, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Matthew Himley, Syracuse University; Gavin Bridge, University of Manchester
 CHAIR(S): Matthew Himley, Syracuse University
 Panelists: Jacque (Jody) L. Emel, Clark University; Tom Perreault, Syracuse University; Mazen Labban, University of Miami; Leah Horowitz, Rutgers University; Philippe Le Billon, University of British Columbia; Gavin Bridge, University of Manchester
- 5214. Urban Geography**
Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Andrew Thomas Warren, University of Wollongong
 10:00 Xuchu Meng*, University of North Carolina, Charlotte; Yongli Cai, East China Normal University; Junjie Zuo, East China Normal University; Wei-Ning Xiang, University of North Carolina at Charlotte, *Making up the riparian concept: Distributed Riparian Zone in urban landscape.*
 10:20 Seth P Wilberding, MLA, LEED AP*, The Pennsylvania State University, *Passion and Process: Exploring Designer Approaches to Artful Stormwater Management.*
 10:40 Andrew Thomas Warren*, University of Wollongong; Chris Gibson, Assoc. Prof, University of Wollongong; Lisa Andersen, University of Technology, Sydney, *Cool places and hidden creativity: mapping vernacular cultural assets in a regional Australian city..*
 11:00 Chris Brennan-Horley*, University of Wollongong, *Work sites, city-wide networks: A topological approach to understanding creative work.*
- 5215. Comparing China and the U.S.: Geographic Agendas, Potentials and Prospects (Sponsored by China Specialty Group)**
Room: Park Tower 8212, Marriott, Lobby Level (Panel Session)
 ORGANIZER(S): Rudi Hartmann, University of Colorado
 CHAIR(S): Rudi Hartmann, University of Colorado
 Introducer: Rudi Hartmann
 Panelists: Clifton W. Pannell, University of Georgia; Chris Mayda, Eastern Michigan University; Qihao Weng, Indiana State University; Susan M. Walcott, University of North Carolina-Greensboro; Yue-jing Ge; Jing'ai Wang

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200

- 5216. China's National Strategic Planning and Urban- Regional Sustainable Development in the 12th Five-Year Plan and Beyond (Sponsored by China Specialty Group, Regional Development and Planning Specialty Group)**

Room: Park Tower 8216, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Xiaobin Zhao, University of Hong Kong; Jie Fan

CHAIR(S): Xiaobin Zhao, University of Hong Kong

10:00 Jie Fan*, Institute of Geographical Sciences and Natural Resources Research, CAS; Dong Chen, Institute of Geographical Sciences and Natural Resources Research, CAS, *National Strategic Spatial Planning and Institutional Arrangement for Regional Sustainable Development in China.*

10:20 Fengjun Jin*, Institute of Geographical Sciences and Natural Resources Research, *Strategic Environmental Assessment of Regional Development in China: Theory and Practice.*

10:40 Yong Xu*, Institute of Geographical Sciences and Natural Resources Research, CAS; Chuansheng Wang, Institute of Geographical Sciences and Natural Resources Research, CAS, *National Strategic Spatial Planning and Ecological Rehabilitation in the Loess Plateau.*

11:00 Drew Soloski*, Hong Kong University, *Contesting the Status of the World's Factory for Manufacturing: A Comparative Study of FDI and Trade in China, India, and Vietnam.*

11:20 Ernest Ka Shing Lee*, The University of Hong Kong, *Examining the Spatial Structure of Pearl River Delta Mega-City Region - An Advanced Producer Services Perspective.*

- 5217. Place, Region, and Identity**

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Angela Pochanasomburana

10:00 Namara Brede*, Macalester College, *Islamic Practice and Kazakh Identity in Transition: A Case Study in Bayan-Olgii, Mongolia.*

10:20 Rick Miller*, UCLA, *Nomadic & domestic: dwelling on the edge of Ulaanbaatar, Mongolia.*

10:40 Sarah Elizabeth Goggin, MA*, North Orange County Community College District, CA, *European Capital of Culture: The Politics of a Becoming Europe.*

11:00 Tomas Havlicek*, Department of Social Geography and Regional Development, Charles University, Prague, Czechia, *Construction of cross-border identity: an example of Euroregion Silva Nortica.*

11:20 Angela Pochanasomburana, University of Nebraska-Lincoln*, *A Case Study of Thai Restaurants in Bangkok: What They Present and How They Represent Place and Space of Thailand..*

- 5218. Theorizing Tourism II (Sponsored by Recreation, Tourism, and Sport Specialty Group, Cultural Geography Specialty Group)**

Room: Park Tower 8222, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jillian Rickly-Boyd; Daniel C. Knudsen, Indiana University

CHAIR(S): Daniel C. Knudsen, Indiana University

10:00 F. Claire Lucas*, Indiana University, *Public Art, Social Imagination and Institutional Power in St. Louis, Missouri.*

10:20 Jillian M. Rickly-Boyd*, Indiana University, *Authenticity and Aura: A Benjaminian Approach to Tourism Experience.*

10:40 Lisa Braverman*, Indiana University Bloomington, *Tourism as an Agent of Practical Wisdom: Rhetoric and the Case of Birthright Israel.*

11:00 Yan He*, Indiana University, *Splendid China Park: A Case Study of Cultural Contestation between China and the United States.*

Discussant(s): Dallen J. Timothy, Arizona State University

- 5220. Postcolonial Korea: Conjunctures and Critical Geographies II: Transnational Processes and Local Realities in Postcolonial Korea (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jim Glassman, University of British Columbia; Bae-Gyoon Park, Seoul National University

CHAIR(S): Sook-Jin Kim, Konkuk University

10:00 Bae-Gyoon Park*, Seoul National University; Minkyung Koh, Department of Geography Education, Seoul National University, *Colonial Legacies and the Globalization of Seoul: Impacts of the Korea-US Military Alliance on the Transnationalization of Itaewon.*

10:20 Hyun-Joo Jung*, Seoul National University, South Korea; Yeong-Hyun Kim*, Ohio University, *Placing and Timing the "Other": Filipino Migrant Workers and Their Sunday Street Market in Seoul.*

10:40 Je-Hun Ryu*, Korea National University of Education, *"Contested identities in postcolonial Incheon City".*

11:00 Jong-Heon Jin*, Kongju National University, *Reworking colonial memory into a cosmopolitan cultural outlook: The Public Garden, Incheon.*

11:20 Dong-Wan Kim*, Graduate School of Environmental Studies, Seoul National University, *Why has Korean regionalism been criticized as pre-modern?.*

- 5221. Applied Geostatistics II**

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

ORGANIZER(S): Pierre Goovaerts, BioMedware; Ruth Kerry, Brigham Young University

CHAIR(S): Ruth Kerry, Brigham Young University

10:00 Jennifer McKinley, Lecturer*, Queens University Belfast; Stephen McCabe, Research Fellow, Queens University Belfast; Antoinette Keaney, Research Assistant, Queens University Belfast; Joanne Curran, Manager, Stone Conservation Services, Consarc Design Group, *Geostatistical Analysis of Salt Migration in Sandstone Weathering Trials.*

10:20 Nicholas Nagle*, University of Tennessee, *Geostatistics, GWR, GAM and company: A review of regression models in geography.*

10:40 Rosanna G Rivero, Ph.D.*, Everglades Foundation; Grizzle J. Betty, D.Env., Fish and Wildlife Service; Mahmoudi Mehrnoosh, Ph.D. Student, Florida International University, *Reconstructing the pre-drainage history of Lake Okeechobee, Florida: applications of GIS, geostatistics and 3D visualization for historical research.*

11:00 Robert N. Stewart, M.S., Phd candidate*, University of Tennessee, *A Geostatistically Informed Environmental Sampling Design for Improving Boundary Delineation of Contaminated Areas.*

11:20 Pierre Goovaerts*, BioMedware, *Geostatistical Estimation of Contaminated Sediment Volumes: Review of Common Challenges and Solutions.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200**5222. Author Meets Critics: Stuart Elden's Terror and Territory: The Spatial Extent of Sovereignty***Room: Virginia Suite C, Marriott, Lobby Level (Panel Session)*

ORGANIZER(S): Christian Abrahamsson, University of British Columbia

CHAIR(S): Christian Abrahamsson, University of British Columbia

Panelists: Gunnar Olsson, University of Uppsala; Adam Ramadan, University of Cambridge; Stuart Elden, University of Durham; Katharyne Mitchell; Christian Abrahamsson, University of British Columbia; Michael Smith, University of British Columbia

5223. Re-Routing the Map: Preservations I*Room: Coolidge, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Lee Ann Nolan

10:00 Ryan James*, University of North Carolina Charlotte, *Where, Exactly, is the South? Defining a Fuzzy Region Through Beta Convergence.***10:20** John T. Bauer*, University of Nebraska at Kearney, *The Role of Pathfinders in Early Road Map and Route Guide Publishing.***10:40** Lee Ann Nolan*, Pennsylvania State University, *Save that Map! Techniques for Map Preservation.***5224. Recreation and Economic Geography***Room: Harding, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): José Antonio Borello, Universidad Nacional General Sarmiento, Instituto Del Conurbano

10:00 Michael J. Marchman*, Northern Kentucky University, *Taxis, Rents and Destination Managers: Tourism Commodity Chains and Economic Survival in the Caribbean.***10:20** William Terry*, Clemson University, *The human resources paradox in the cruise industry: Geographical limits to labor market flexibility.***10:40** Pablo Fuentenebro*, University of California - Los Angeles, *The Museum as an Element for Urban Regeneration. Learning from the Pompidou-Metz and the Louvre-Lens.***11:00** José Antonio Borello*, Universidad Nacional General Sarmiento, Instituto Del Conurbano; Aida Quintar, Universidad Nacional General Sarmiento; Gustavo Seijo, Universidad Nacional General Sarmiento, *Film making in Argentina: Trajectory, organization, geography, and the creation of externalities.***5225. Contemporary Issues in Land Use Control II (Sponsored by Population Specialty Group, Urban Geography Specialty Group, Regional Development and Planning Specialty Group)***Room: Hoover, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Brian Edward Johnson, Indiana University

CHAIR(S): Brian Edward Johnson, Indiana University

10:00 Jacqueline D. Holmes, Master's Candidate*, Tufts University; Justin B. Hollander, Ph.D., AICP, Tufts University, *Landowner Leadership in Brownfields Reuse Planning: Case Study Examples.***10:20** Kevon Rhiney*, University of the West Indies - Mona, *Citizens' Associations and Participatory Urban Planning: The case of the Portmore Municipality, Jamaica.***10:40** Yesim Sungu-Eryilmaz*, Rosalind Greenstein, *Community-based Organizations (CBOs) in Foreclosure Prevention and Intervention.***11:00** Stephen McCauley*, Clark University, *Scalar Dynamics in Land Use and Land Governance: The Case of Smart Growth in the Greater Boston Region.***11:20** Jaime Kelly*, University of Washington, *Aspirational Urban Planning in Beijing, China.***5226. Network Spaces and Network Analysis (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)***Room: Jackson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Kevin M. Curtin, George Mason University

CHAIR(S): Kevin M. Curtin, George Mason University

10:00 Kevin M. Curtin, PhD*, George Mason University, *Linear Referencing Capabilities and Analytical Potential.***10:20** Nancy Perry*, George Mason University, *Using Linear Referencing to Inventory Street Signs - A Case Study.***10:40** Anna Pestereva*, University of Northern Iowa; Tim Strauss, University of Northern Iowa, *Role of Road Network Structure In Spatial Analysis of Crashes.***11:00** Robert G. Cromley*, University of Connecticut; Carol M. Atkinson-Palombo, University of Connecticut, *Evaluating the Impact of Connectivity Improvements in Urban Transport Networks on the Delivery of Emergency Services.***11:20** David C Eckley*, Graduate Student, George Mason University, *A Review of Network Spatial Statistics.***5227. Spatial Database and Infrastructure Development***Room: Jefferson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Michael P. Finn, United States Geological Survey

10:00 Tine Fabian Ningal, Mr.*, University College Dublin (UCD), *Developing an urban forestry database: A case study of Dublin, Ireland.***10:20** Stelian Dimitrov*, Sofia University "St. Kliment Ohridski", *Plan4all- harmonization of spatial planning data in Europe and its implications in Bulgaria.***10:40** Charles Kaylor*, University of Michigan, *Stimulating Infrastructures: Local Solutions to National Controversies in Mapping Broadband.***11:00** Kieran Rankin*, Trinity College Dublin; Niamh Brennan, Trinity College Dublin, *Practicalities in Establishing an Electronic Publishing Platform: Early experiences and prospects using Open Journal Systems from an Irish Digital Humanities Case Study.***11:20** Michael P. Finn*, United States Geological Survey; Holly K. Caro*, United States Geological Survey, *The CEGIS On-Line Bibliography: A Resource for the Working GIScientist.***5228. Creative Conflict in Urban Space***Room: Johnson, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Katherine King

10:00 Carolina S Sarmiento*, UCI, *A Creative Alternative: Cultural Governance Structures for Popular and Political Collective Action.***10:20** João Guedes Fumega*, Centre for Geographical Studies, *Night: Opportunities and Innovation in the Territory.***10:40** Francisco Adolfo Garcia*, Visiting Teacher, *The dramatization of place or the history as a performance.***11:00** Katherine King*, *Building vibrant streets: Implications of the built environment for social capital.***11:20** Hyejin Yoon*, Ohio State University, *Animation industry: global animation cities and production networks.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200**5229. Hyperspectral Remote Sensing Applications at the U.S. Geological Survey**

Room: *Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Terrence Slonecker, U.S. Geological Survey; Prasad Thenkabail, United States Geological Survey

CHAIR(S): Terrence Slonecker, U.S. Geological Survey

10:00 Terrence Slonecker*, U.S. Geological Survey, *Hyperspectral Remote Sensing of Fugitive Contaminants and Their Effect on Vegetation Reflectance.*

10:20 Pamela L Nagler, Ph.D.*, USGS; Edward Glenn, Ph.D., University of Arizona; Craig Daughtry, Ph.D., USDA, ARS, *Narrow-band Cellulose Absorption Index and multi-temporal indices in study of plant litter, soils, green plants and riparian vegetation.*

10:40 Prasad S Thenkabail, Research Geographer-14*, United States Geological Survey, *Advances in Hyperspectral Study of Agricultural Croplands and their Water Use.*

11:00 W. Dean Hively*, United States Geological Survey; Greg McCarty, USDA-ARS Hydrology and Remote Sensing Laboratory; James Reeves, USDA-ARS Environmental Management and Byproducts Utilization Laboratory, *Use of airborne hyperspectral reflectance imagery to map soil parameters in tilled agricultural fields.*

11:20 Susan Stitt*, United States Geological Survey, *Full-spectrum data for detecting mountain pine beetle attacked lodgepole pines.*

5230. Livelihoods in Latin America: The "Rural-urban" Smallholder (Sponsored by Development Geographies Specialty Group, Cultural and Political Ecology Specialty Group, Latin America Specialty Group)

Room: *Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Mario Cardozo, University of Texas; Nancy Aguirre, University of Texas at Austin

CHAIR(S): Mario Cardozo, University of Texas

10:00 Mario Cardozo*, University of Texas at Austin, *Livelihood Strategies in the Far End of the Rural-urban Gradient: The Case of Nanay Basin Communities, Peruvian Amazon.*

10:20 Nancy Aguirre*, University of Texas at Austin, *Gender Dimensions of Land Use and Livelihood Strategies: Women's Imaginary on Collective Lands of Afro-Descendant Communities in Colombia.*

10:40 Andrew McCown*, University of Texas at Austin, Department of Geography and the Environment, *Legislating the Decline in Small Farm Viability: Paraguay's Reforestation Programs and the Rise of Big Agriculture.*

11:00 Anne-Marie Hanson*, University of Arizona, *Linking rural biodiversity protection to urban waste management in a Mexican Biosphere Reserve.*

11:20 Matthew Fry*, Washington University St. Louis, *Concrete Block Production as Rural Off-Farm Alternative in Central Mexico.*

5231. Sedimentary Perspectives on Paleoenvironmental Change II (Sponsored by Climate Specialty Group, Biogeography Specialty Group, Paleoenvironmental Change Specialty Group)

Room: *Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Kevin M Spigel, Unity College; Samantha W. Kaplan, University of Wisconsin - Stevens Point

CHAIR(S): Samantha W. Kaplan, University of Wisconsin - Stevens Point

10:00 Samantha W. Kaplan*, University of Wisconsin - Stevens Point; Angela Y Eichler, University of Wisconsin - Stevens Point; Maren H Lindow, University of Wisconsin - Stevens Point, *Synchronous and Non-synchronous Changes in Climate, Lake Level and Fire Regime Inferred From Sediments From Three Lakes in Northern Wisconsin.*

10:20 Donald G. Sullivan*, University of Denver, *"Bathtub Rings" and Beaver Lodges: Holocene Lake Level Changes on Grand Mesa, Colorado.*

10:40 William J. Guerra*, Cornell University; Michelle Goman, Cornell University; Arthur Joyce, University of Colorado, Boulder; Gerardo Gutierrez, University of Colorado, Boulder, *A preliminary paleoecological reconstruction for Laguna Ojo del Mar, Guerrero, Mexico.*

11:00 Gail M. Ashley, Professor*, Dept. of Earth & Planetary Science, Rutgers University; Emmanuel Ndiema, Dept. of Anthropology, Rutgers University; John W.K. Harris, Professor, Dept. of Anthropology, Rutgers University; Purity P.W. Kiura, Dr., National Museums of Kenya; Joel Q.G. Spencer, Professor, Dept. of Geology, Kansas State University, *Milankovitch-scale lake level changes, impacts on paleoenvironmental and archaeological records, Lake Turkana, Kenya.*

11:20 Mikhail S Blinnikov, Professor*, Geography, St. Cloud State University, St. Cloud, MN 56301, USA; Britta J. L. Jensen, Earth and Atmospheric Sciences, University of Alberta, Edmonton, AB, T6G 2E3, Canada; Duane G. Froese, Earth and Atmospheric Sciences, University of Alberta, Edmonton, AB, T6G 2E3, Canada, *Eastern Beringia during the middle Pleistocene: a phytolith perspective.*

5232. Embodied methodologies: using the body as a research instrument 2

Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Susan Buckingham, Brunel University; Monica Degen

CHAIR(S): Monica Degen

10:00 Lindsay K Stephens*, University of Toronto, *"You know! You just know": On different ways of knowing (and their limits) in the studio and on the stage, ruminations of a PhD on and in the Circus.*

10:20 Paul Simpson*, Keele University, *The spatiality of performance: materiality, affect, and the embodied experience of street performing.*

10:40 Elizabeth Straughan, Miss*, Aberystwyth University, *Doing Diving: Underwater Relationships.*

11:00 Susan Buckingham, Professor*, Brunel University; Monica Degen, Dr, Brunel University, UK, *Research through Yoga: an embodied practice.*

Discussant(s): Tim Edensor, Manchester Metropolitan University

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200**5233. Geography Trends in Higher Education**

Room: McKinley, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Alex Ticoalu, University at Buffalo

10:00 Grant Saff*, Hofstra University; Adrienne Gillespie*,
*Building an Intuition History of your Department:
The experience of the Geography program at Hofstra
University.*

10:20 Jenny Lunn*, Royal Holloway University of London, *The
state of Geography at Higher Education level in India.*

10:40 Lin Liu*, University of Cincinnati, *Recent Growth in
Geography at University of Cincinnati.*

11:00 Alex B Ticoalu*, University at Buffalo; Ling Bian,
University at Buffalo, *Social Network Analysis of
Geography Academics.*

5234. Urban Modeling and Design

Room: Taft, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Sofia Paisiou, University of Fribourg

10:00 Jia Lu*, The Catholic University of America, *Employment
Density Model and Land Use Structure.*

10:20 Eunsuk Chang*, SUNY - Buffalo, *Modeling Housing
Mortgage Capital Flow with System Dynamics.*

10:40 Peter James Anthamatten, Ph.D., MPH*, University of
Colorado Denver; Emily Greenwood, Masters of
Landscape Architecture Candidate, University of
Colorado Denver; Lois Brink, MLA, University of
Colorado Denver; Sarah Lampe, MPH, University of
Colorado Denver, *Assessing Urban Design Strategies
to Encourage Childhood Activity.*

11:00 Christopher N. H. Doll*, United Nations University -
Institute of Advanced Studies, *Scaling Cities: When do
Cities move from Bad to Good?*

11:20 Sofia Paisiou*, University of Fribourg; Joris Ernest van
Wezemael, Professor, Uni-Fribourg, *Dia-grammatical
Cartography of planning competitions.*

5235. Wetlands Studies

Room: Taylor, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Tim Stoeber, University of Nebraska Omaha

10:00 Kathlene Butler*, University of Maryland, Department
of Geography; Stephen D Prince, PhD, University of
Maryland, Department of Geography, *Wetland change
mapping for the US mid-Atlantic region using an
outlier detection technique.*

10:20 Jongnam Choi*, Western Illinois University; Chang-
Hyeon Joh, Kyung Hee University, *Public Knowledge
and Perceptions of Wetlands of Four Illinois Counties
in the United States.*

10:40 Rex Michael Robichaux*, Kansas State University; Lisa
M.B. Harrington, Ph. D., Kansas State University,
*"Environmental Conditions, Reuse Pits, and
Restoration Actions in the Rainwater Basin Wetland
Complex, Nebraska."*

11:00 Tim Stoeber*, University of Nebraska Omaha, *Assessing
the Loss of Wetlands within The Prairie Pothole
Region: A Land Use Perspective.*

5237. Author Meets the Critics: Mustafa Dikeç's "Badlands of the Republic: Space, Politics and Urban Policy" (Sponsored by Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Thurgood Marshall NORTH, Marriott, Mezzanine Level (Panel Session)

ORGANIZER(S): Nicholas Dahmann, University of Southern California

CHAIR(S): Nicholas Dahmann, University of Southern California

Panelists: Wendy Larner, University of Bristol; Nicholas
Dahmann, University of Southern California; David
Featherstone, University of Glasgow; Paul Kirkness,
University of Edinburgh; Mustafa Dikeç

5238. Location and Spatial analysis II (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Thurgood Marshall SOUTH, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Daoqin Tong, University of Arizona; Xiaolan Wu

CHAIR(S): Eric M. Delmelle, UNC-Charlotte

10:00 Daoqin Tong*, University of Arizona, *Locating Farmers'
Markets.*

10:20 Timothy C. Matisziw*, University of Missouri - Columbia;
Tony H Grubecic, Indiana University; Junyu Guo,
University of Missouri-Columbia; Christopher
O Millner, University of Missouri-Columbia,
*Characterizing the spatio-temporal vulnerability of
networks.*

10:40 Padegimas Paul*, Arizona State University; Alan T.
Murray, PhD, Arizona State University; Sergio Rey,
PhD, Arizona State University; Luc Anselin, PhD,
Arizona State University; Patricia Gober, PhD, Arizona
State University, *Modeling to Support Multi-District
Water Management.*

11:00 Xiaolan Wu*, Central Michigan University, *A
Multiobjective Evolutionary Algorithm for Optimizing
Spatial Contiguity in Reserve Network Design.*

11:20 Matthew R. Niblett*, University of California, Santa
Barbara; Richard L. Church, Professor, University
of California, Santa Barbara, *The Marching Army
Heuristic.*

5240. Integration of Remote Sensing and GIS Analysis

Room: Truman, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Xianfeng Chen, Slippery Rock University

10:00 Jie Tian*, University of Illinois at Urbana-Champaign;
Dongmei Chen, Queen's University, *Integrate satellite
remote sensing and ground-based measurement for
the spatiotemporal analysis of ground-level PM2.5
concentration distribution.*

10:20 Natalie L Heberling*, University of New Mexico,
*Prehistoric Roads of the Southwest: Synthesis of GIS
and Remote Sensing.*

10:40 Ziliang Zhao*; Fuxing Jiang, *The Research and
Implementation of the GIS-Based Doppler Radar Data
Processing and Analysis System.*

11:00 David Travis*, University of Wisconsin - Whitewater;
Tom Jeffery, University of Wisconsin-Whitewater;
Andrew Carleton, The Pennsylvania State University,
*Determination of 4-D Characteristics of Jet Contrail
Outbreaks Using Remote Sensing and GIS.*

11:20 Xianfeng Chen*, Slippery Rock University; Ryan
McCutcheon, Slippery Rock University; Christopher
Abbott, Slippery Rock University, *Spectral mixture
analysis of urban landscape integrating Hyperion
spaceborne hyperspectral VNIR/SWIR and ASTER
spaceborne multispectral TIR data.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200**5241. Diverse Aspects of Geographic Thought**

Room: Tyler, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Konstantinos Koutsopoulos

10:00 James Hopkins*, University of Manchester, *Contesting the history of 'regional research': unanswered questions on the Regional Science Association/Regional Studies Association divide.*

10:20 David M. Brommer*, The University of Alabama; Jason C. Senkbeil, The University of Alabama; Paul Grady Dixon, Mississippi State University; Joshua Durkee, Western Kentucky University, *The Climate Tree: Tracing the Roots of Geographer-Climatologists.*

10:40 J. Anthony Stallins, Associate Professor*, Florida State University, *Determinism, contingency, and the difference organisms make.*

11:00 Dragos Simandan, PhD*, Brock University, *Nonmonotonic reasoning in probabilistic environments: the case of inference to common cause.*

11:20 Konstantinos C Koutsopoulos, Professor*, National Technical University of Athens, *Choroinformatics The New Paradigm of Geography.*

5242. Rethinking the space-times of decision-making II (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)

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

ORGANIZER(S): Tim Schwanen, University of Oxford; Gordon L. Clark, University of Oxford

CHAIR(S): Derek McCormack, University of Oxford

10:00 Shaun French*, University of Nottingham; Andrew Leyshon, University of Nottingham, *Financialisation 'off-plan': Domesticating financial futures and the displacement of UK buy-to-let.*

10:20 Kendra Strauss, Dr*, University of Glasgow, *Culture and cognition in pension decision-making and pension policy: the case of the UK Personal Accounts Delivery Authority.*

10:40 Theo Arentze*, Eindhoven University of Technology; Benedict Dellaert, Erasmus University Rotterdam, *Search and choice processes in an integrated model of spatial decision making.*

11:00 Dudley Bonsal*, University of Minnesota, *Exploration of Decision-Making Strategies for Responding to Local Nuisance: An Agent-Based Modeling Approach.*

5243. Environmental Health Justice Research: Current Topics and Emerging Issues II (Sponsored by Health and Medical Geography Specialty Group, Urban Geography Specialty Group, Geographic Information Science and Systems Specialty Group)

Room: Wilson B, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Jayajit Chakraborty, University of South Florida; Juliana Maantay, Lehman College/CUNY

CHAIR(S): Jayajit Chakraborty, University of South Florida

10:00 Francis P. Boscoe*, New York State Department of Health, *The Use of Residential History to Assess Historic Proximity to Environmental Hazards.*

10:20 Christopher Boone*, Arizona State University, *Environmental justice, childhood obesity, and food deserts in Phoenix, Arizona.*

10:40 Ikuho Yamada*, University of Utah; Barbara B Brown, University of Utah; Ken R Smith, University of Utah; Cathleen D Zick, University of Utah; Jessie X Fan, University of Utah; Lori Kowaleski-Jones, University of Utah; Heidi Hanson, University of Utah, *Potential benefit of light rail transit services to reduce the risk of obesity: Selection vs. causation.*

11:00 Florence M. Margai, PhD*, Binghamton University, *Global Geographies of Environmental Injustice and Health: The Case of Illegal Hazardous Waste Dumping in Côte d'Ivoire.*

11:20 Vijay Madhukarrao Sarode*, Mulund College of Commerce, Mumbai, India, *Does Non-ANC Influence Complications while delivery among Women in Slums in Greater Mumbai?.*

5244. Payments and Markets for Ecosystem Services II: Articulation with Development Strategies (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)

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

ORGANIZER(S): Morgan Robertson, University of Kentucky; Elizabeth N. Shapiro, University of California, Berkeley

CHAIR(S): Elizabeth N. Shapiro, University of California, Berkeley

10:00 Julianne Adams Hazlewood, Ph.D. Candidate*, University of Kentucky, *From an Extractive Economy to an Ecosystem Services-based Economy in Ecuador: Taking Steps towards a "Revolutionary" Development Paradigm?.*

10:20 Mary Finley-Brook*, University of Richmond; Curtis Thomas*, *Hydro development, carbon trade and indigenous peoples' sovereignty.*

10:40 Kathleen A. Farley*, San Diego State University; Carol P. Harden, University of Tennessee; Leah Bremer, San Diego State University - U.C. Santa Barbara; William G. Anderson, San Diego State University; James Hartsig, University of Tennessee, *Compensation for Ecosystem Services: An Evaluation of Efforts to Achieve Conservation and Development in Ecuadorian Páramo Grasslands.*

11:00 Kathleen McAfee*, San Francisco State University; Kathleen McAfee, San Francisco State University, *Cool the Planet or Feed the World? Agriculture, Environmental Services, and Climate Change.*

Discussant(s): Tracey Osborne, UC Berkeley

5246. Common concerns? Rethinking the transport/mobilities divide (I)

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Jennie Middleton, University of Plymouth; Jon Shaw, University of Plymouth

CHAIR(S): Jennie Middleton, University of Plymouth

10:00 Jon Shaw*, University of Plymouth, *Transport, Geography and Mobilities.*

10:20 Tim Schwanen*, School of Geography and the Environment, University of Oxford, *The mobility multiverse.*

10:40 Stewart Barr*, University of Exeter; Jan Prillwitz, Utrecht University, *The Everyday and the Holiday: transport, mobilities and the sustainability turn.*

11:00 Sven Kesselring*, Technische Universität München, *Corporate mobility politics between trip generation and cultural practice. The big wheels of modern mobilities.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200

- 5247. Cultural/Spatial Dialectics in Spain (II): Work at the Intersection of Iberian Cultural Studies and Geography**
Room: *Lincoln Room 3, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Benjamin Fraser, Christopher Newport University; David L. Prytherch, Miami University
 CHAIR(S): David L. Prytherch, Miami University
10:00 Rosa Cerarols, Dr., Universitat Pompeu Fabra Barcelona; Antonio Luna-Garcia*, Universitat Pompeu Fabra Barcelona (Spain), *Audiovisual memories, urban identity and gentrification: the neighborhood of Barceloneta in Barcelona SPAIN.*
10:20 Antoni Dura-Guimera*, Universitat Autònoma de Barcelona, *Barcelona and the Mediterranean: a cultural voyage from the medieval Chronicles to the testimonies of new writers.*
10:40 Matthew W. Landers*, University of Oregon, *Catalonia is a Country: World Heritage and Regional Nationalism.*
11:00 Fabià Díaz-Cortés*, Universitat Autònoma de Barcelona; Tony Luna-Garcia, Universitat Pompeu Fabra Barcelona, *Rethinking Public Space: Lessons From a Research Experience in Working Class Suburbs in Barcelona, Spain.*
- 5248. Land Wars: The Politics of Urban Land Development in the Post-Industrial City - I (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Lincoln Room 4, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Robert W. Lake, Rutgers University
 CHAIR(S): Gerda R. Wekerle, York University
10:00 FTC Manning*, CUNY Graduate Center, STReaC (Spacetime Research Collective), *123 Community Space, Control of Land as Currency of Power in Financialized Urban Space: The Land War Supersedes the War Over Work.*
10:20 Jean-Paul D. Addie*, York University, *Urban transportation, rent and the spatial logic of metropolitan development.*
10:40 Kate Driscoll Derickson*, Penn State, *The nexus of political economy and place: land use politics in post-Katrina Mississippi and Boston, Massachusetts.*
11:00 Robert W. Lake*, Rutgers University, *Land Grab: Urban Redevelopment as Fiscal Policy in the Post-Industrial City.*
- 5249. Chartering, Reactivating, or Reinvigorating Gamma Theta Upsilon in your Department**
Room: *Lincoln Room 5, Marriott, Exhibition Level* (Panel Session)
 ORGANIZER(S): James Daniel Lowry, University of New Orleans
 CHAIR(S): James Daniel Lowry, University of New Orleans
 Panelists: James Daniel Lowry, University of New Orleans; Don Zeigler, Old Dominion University; Melinda Daniels, Kansas State University
- 5250. Cultures of governing, governing by culture, governing culture 2**
Room: *Lincoln Room 6, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Jessica Pykett, Aberystwyth University
 CHAIR(S): Jessica Pykett, Aberystwyth University
10:00 Bruce Erickson*, Nipissing University, *State Legitimization, Moral Regulation and the Subject of Leisure: Canoeing, Fishing and Canada..*
10:20 Stephanie Rutherford, PhD*, Macalester College, *Green is the new black: Governmentality and the making of the environmental citizen.*
10:40 Christopher A. Airriess*, Ball State University; Michael J Hawkins, Ball State University, *In God We Trust license plates in Indiana: national identity, governing culture, and automobility.*
- 5251. The political geographies of river basin management (Sponsored by Water Resources Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**
Room: *Washington Room 1, Marriott, Exhibition Level* (Panel Session)
 ORGANIZER(S): Eve Vogel, University of Massachusetts - Amherst; Catherine Berry, University of Nevada
 CHAIR(S): Catherine Berry, University of Nevada
 Panelists: Larry Swatuk; Aaron T. Wolf, Oregon State University; Eve Vogel, University of Massachusetts - Amherst; Coleen Fox, Dartmouth College
- 5252. Geographies of Displacement (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group)**
Room: *Washington Room 2, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Peter Kabachnik, College of Staten Island - CUNY
 CHAIR(S): Peter Kabachnik, College of Staten Island - CUNY
10:00 Bret Adams*, Texas State University-San Marcos, *Quality of Life Consequences on Refugee-Hosting Populations: Evidence from Tanzania.*
10:20 Jenna Goins*, Michigan State University, *Forced Migration in the Former Soviet Union: The Case of the Meskhetian Turks.*
10:40 Graham Hough-Cornwell*, George Washington University, *The Imagined Sahara: Competing Imaginations of the Western Sahara.*
11:00 Susanne Barbara Schech*, Flinders University of South Australia, *Productive refugees? Government and media constructions of refugees in low population areas.*
11:20 Peter Kabachnik*, College of Staten Island - CUNY; Magda Grabowska, College of New Jersey; Beth Mitchneck, University of Arizona; Joanna Regulaska, Rutgers University; Olga Mayorova, University of Arizona, *Traumatic Masculinities: The Gendered Geographies of Georgian IDPs from Abkhazia.*
- 5253. Debating The Theory, Practice & Impact of Transfrontier Conservation II (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group, Political Geography Specialty Group)**
Room: *Washington Room 3, Marriott, Exhibition Level* (Paper Session)
 ORGANIZER(S): Elizabeth Lunstrum, York University; Maano Ramutsindela
 CHAIR(S): Elizabeth Lunstrum, York University
10:00 Maano Ramutsindela*, University of Cape Town, *Transnationalism and cross-border environments: 'closed' identities in open spaces.*
10:20 Melissa De Kock*, WWF-Norway, *Inclusion of local people and community conservation initiatives in TFCAs: the means to sustainability.*
10:40 Christopher Scott*, University of Arizona; Barbara J. Morehouse, University of Arizona, *Assessing Resilience in Transboundary Arid Region Riparian Corridors: A Social-Ecological Systems Approach.*
11:00 Benjamin Gardner*, University of Washington Bothell, *Conservation, Citizenship and the Remaking of the Postcolonial State in Tanzania.*
 Discussant(s): Rachel DeMotts, University of Puget Sound

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200**5254. Landscape and Poverty II (Sponsored by Socialist and Critical Geography Specialty Group)**

Room: Washington Room 4, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Clayton Rosati, Bowling Green State

University; Carrie Breitbach, Chicago State University

CHAIR(S): Clayton Rosati, Bowling Green State University

10:00 Carrie Breitbach*, Chicago State University, *Landscapes of deindustrialization and redevelopment in Chicago*.

10:15 Aman Luthra*, Johns Hopkins University, *Greening the American economic ghetto: the role of the State, labor and environmental movements in transforming urban landscapes*.

10:30 Chris Gibson*, University of Wollongong, *"Bogan pride": confronting landscapes of poverty in industrial cities*.

10:45 Jeff Crump*, University of Minnesota, *The Sounds of Silence: Foreclosure and Impoverishment in the Twin Cities*.

Discussant(s): Richard H. Schein, University of Kentucky

5255. Perspectives on Geographic Complexity (7): Urban Systems II (Sponsored by Spatial Analysis and Modeling Specialty Group, Geographic Information Science and Systems Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Washington Room 5, Marriott, Exhibition Level (Paper Session)
 ORGANIZER(S): Arika Ligmann-Zielinska, Michigan State

University; Andrew Crooks, George Mason University

CHAIR(S): Andrew Crooks, George Mason University

10:00 Fraser Morgan*, University of Auckland; David OSullivan, University of Auckland, *Residential developers: Competition, behaviour and the resulting urban landscape*.

10:20 Christian Urich*, Unit of Environmental Engineering, University of Innsbruck; Robert Sitzenfrei, Unit of Environmental Engineering, University of Innsbruck; Wolfgang Rauch, Unit of Environmental Engineering, University of Innsbruck, *Stochastic Design of Urban Areas for Benchmarking Energy Strategies*.

10:40 Raymond Cabrera*, University of Waterloo; Peter J Deadman, University of Waterloo, *Household networks and urbanization in an agent-based model of the Amazonian varzea*.

11:00 Jing Wu*, Chinese Academy of Sciences; Zheng Wang, Chinese Academy of Sciences, *Agent-based simulation of the spatial evolution of the historical population in China*.

11:20 Hoda Osman*, PhD Student, *Urban Growth and Land Titling: An agent-based comparative model of two Informal Settlements in Cairo, Egypt*.

5259. Remote Sensing and GIS Applications in Biogeography I (Sponsored by Biogeography Specialty Group)

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): Kirk M Stueve, United States Forest Service, Northern Research Station; Andrew Pierce, Penn State University

CHAIR(S): Kirk M Stueve, United States Forest Service, Northern Research Station

Introducer: Kirk M Stueve

10:05 Andrew D. Pierce*, Pennsylvania State University; Alan H. Taylor, Pennsylvania State University, *Using Aerial Photography Interpretation, Stand Structure Analysis, and GIS to Identify Topographic Effects on Fire Severity, Lassen Volcanic National Park, USA*.

10:24 Rachel Isaacs, M.S.*, Kirk M Stueve, Ph.D., United States Forest Service, Northern Research Station, *Alpine Treeline Responses to Environmental Change in Cairngorms National Park, Scotland, UK*.

10:43 Claire Evelyn Wooton*, University of British Columbia; Brian Klinkenberg, PhD, University of British Columbia, *A Landscape-Level Analysis of Yellow-Cedar Decline in Coastal British Columbia*.

11:02 Kirk M Stueve, PhD*, USDA Forest Service, Northern Research Station; Mark D Nelson, PhD, USDA Forest Service, Northern Research Station; Sean P Healey, PhD, USDA Forest Service, Rocky Mountain Research Station; Charles H (Hobie) Perry, PhD, USDA Forest Service, Northern Research Station; Chengquan Huang, PhD, University of Maryland, Department of Geography; Warren B Cohen, PhD, USDA Forest Service, Pacific Northwest Research Station; Gretchen G Moisen, PhD, USDA Forest Service, Rocky Mountain Research Station; Greg C Liknes, MS, USDA Forest Service, Northern Research Station; Dale D Gormanson, MS, USDA Forest Service, Northern Research Station; Andrew J Lister, MS, USDA Forest Service, Northern Research Station, *Integrating Landsat, Forest Inventory, and Biogeophysical Data to Explain Wind Disturbance Patterns on a Forested Landscape in the Northern Great Lakes, WI, USA*.

11:21 Anna Lumsden*, Syracuse University, *Factors Affecting Ignition Occurrence in the the subarctic Forest-Tundra, Northwest Territories*.

5260. Topics in Hazards Research

Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Donglian Sun, George Mason University

10:00 Hillary Hamann, PhD*, University of Denver, *Wildfire ash effects on water quality*.

10:20 Kai Liu*, University of Cincinnati; Lin Liu, University of Cincinnati; Hongxing Liu, University of Cincinnati; Xia Li, Sun Yat-sen University, China, *Modeling the distribution of blizzard damaged mangroves using IKONOS images and micro climate conditions*.

10:40 Leanne Sulewski*, University of North Carolina - Greensboro, *Spatial and Spectral Automatic Detection of Thermokarst in the Alaskan Arctic*.

11:00 Shadrock Roberts*, University of Georgia; James Holt, MPH, PhD, Centers for Disease Control and Prevention; Minh Kim, PhD, Centers for Disease Control and Prevention; Marguerite Madden, PhD, University of Georgia, *Fusing Object-Based Image Analysis Techniques with Field Surveys to Estimate Refugee Camp Population: a case study in Kenya*.

11:20 Donglian Sun, Ph.D.*, George Mason University; Yunyue Yu, Ph.D., NOAA/NESDIS, Center for Satellite Applications and Research, *Algorithm development for surface temperature retrieval from GOES-12*.

5263. Remote Sensing and Global Change

Council, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Narendran Kodandapani, French Institute of Pondicherry

10:00 Nicolas Young*, University at Buffalo-SUNY; Jason Briner, University at Buffalo-SUNY, *Past retreat of Jakobshavn Isbrae ice stream, west Greenland: An analog for future retreat?*.

10:20 Benoit Parmentier*, Clark University; Christopher A Williams, Clark University, *Biophysical typology as a tool for land change science: Evidence from phase space analyses of MODIS and Ameriflux data across land cover types*.

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200

- 10:40** Javzandulam Tsend-Ayush*, Department of Natural Resources and Environmental Management, University of Hawaii at Manoa; Tomoaki Miura, Department of Natural Resources and Environmental Management, University of Hawaii at Manoa; Kamel Didan, Department of Electrical and Computer Engineering, University of Arizona; Armando Barreto-Munz, Department of Electrical and Computer Engineering, University of Arizona, *Deriving Multi-sensor Translation Equations for Generation of a Long-term Vegetation Index Data Record.*
- 11:00** Narendran Kodandapani*, French Institute of Pondicherry, *Interactions between fire and climate in the Western Ghats, India.*

5265. New Path-Shaping in Post-Socialist Cities II (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Director's, Omni Shoreham (Paper Session)

ORGANIZER(S): Megan Dixon, College of Idaho; Ludek Sykora, Charles University in Prague

CHAIR(S): Ludek Sykora, Charles University in Prague

10:00 Zoltán Kovács, Prof. *, University of Szeged, Hungary, *Diversity of urban renewal policies in downtown Budapest.*

10:20 Christian Smigiel*, *The making of post-socialist urban landscapes: Gated and guarded neighbourhoods – or- the production of a modernized milieu in Eastern Europe..*

10:40 Mari Nuga, University of Tartu; Kadri Leetmaa*, University of Tartu, *Socialist summer home settlements in post-socialist suburbanisation.*

11:00 Tauri Tuvikene*, Center for Landscape and Culture, Estonian Institute of Humanities, Tallinn University, *From Socialist City to Capitalist City? The Persistence of Socialist Places: The Case of Garage Areas.*

Discussant(s): Ludek Sykora, Charles University in Prague

5266. Critical Geographies of Race and Critical Race Theory II: Race and Law (Sponsored by Socialist and Critical Geography Specialty Group, Population Specialty Group, Ethnic Geography Specialty Group)

Room: Embassy, Omni Shoreham (Paper Session)

ORGANIZER(S): Tricia Ruiz, University of Washington; Michael Babb, University of Washington

CHAIR(S): Rebecca Burnett, University of Washington

10:00 Jacqueline A. Housel*, Miami University, Hamilton, *the police stop: re-constructing identity in 'micro-geographic' place.*

10:20 Akinbola Akinwumi*, The Open University, United Kingdom, *The Will to Transform? Practices of Redress in Post-Apartheid South Africa.*

10:40 Jean Carmalt*, University of Washington; Jean C Carmalt, JD, PhC, University of Washington, *Discrimination under International Human Rights Law.*

11:00 Tareq M. Amer*, University of California, Davis, *California Dreams, California Nightmares: Gang Injunctions, Civil Rights, and the Spaces of People of Color.*

11:20 Michael James Thomason*, University of British Columbia, *Locating The Refugee: The Biopolitics of Giving Account.*

5274. Migration, Transnationalism, and Westernization

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Thomas Sullivan, Louisiana State University

10:00 Anne Ranek*, University of Arizona, *Muslim women and the veil: Exploring cultural racism through political discourse in Denmark..*

10:20 Magali Eve Chevalier*, York University, *Gendered Acculturation at Home: Laotian Youth in Suburban Montreal.*

10:40 Andrew Cockram*, University of South Carolina, *Locked in the Gates of the Garden of Eden: The Westernization of Qatar.*

11:00 Thomas Sullivan*, Louisiana State University, *The Unseen Green: Imagined Geographies of the Irish Diaspora.*

5275. Healthcare in the U.S. and Canada

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James Dixon, University of North Carolina-Charlotte

10:00 Adam H. Drackley*, McMaster University; K. Bruce Newbold, BA, PhD, McMaster University, *How Generous Are We? An Exploration of Blood Donation Patterns in Canada.*

10:20 Tor H Oiamo, MSc Candidate*, The University of Western Ontario; Odwa Atari, Phd Candidate, The University of Western Ontario; Isaac Luginaah, Phd, The University of Western Ontario, *Examining health care needs and utilization in Chemical Valley, Ontario.*

10:40 Timothy L. Hawthorne*, The Ohio State University; Mei-Po Kwan, The Ohio State University, *Mixing it Up: Understanding Healthcare Accessibility and Quality of Care with Mixed-Methods.*

11:00 Jeffrey P Osleeb*, University of Connecticut; Christopher Rappa, University of Connecticut, *A Preliminary Study of Community Correlates and Evaluation of Health System Efficiencies in Hartford County, Connecticut.*

11:20 James Dixon*, University of North Carolina-Charlotte; Dr. Heather A Smith, University of North Carolina-Charlotte; Brisa Urquieta de Hernandez, Carolinas Medical Center-Department of Family Medicine; Dr. Michael F Dulin, Carolinas Medical Center-Department of Family Medicine; Dr. Owen Furuseth, University of North Carolina-Charlotte, *Understanding Hispanic Healthcare Utilization Patterns Through a Mixed-Method Approach.*

5276. Dynamic Processes of Cultural and Technological Change

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Nick Burkhardt, Arizona State University

10:00 Cameran H Ashraf*, California State Polytechnic University, Pomona, *#iranelection: Geographies of Digital Media in Post-Election Iran.*

10:20 Jeffrey J. Gordon, Assoc. Prof. of Geography*, Bowling Green State University, *Geographical Impact of Cyberspace on the Economics of the Antiques Trade.*

10:40 Nick Burkhardt*, Arizona State University, *Repeat Photographic Mashups: A New Way of Seeing Dynamic Urban Morphology and Cultural Landscapes.*

SUNDAY, APRIL 18 • 10:00 AM - 11:40 AM • 5200**5277. Issues in Environmental Management**

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Diana Almeida, Centre for Geographical Studies

10:00 Pauline Cotellet, Doctoral student*, GESTER Université Paul Valéry Montpellier III France; Frédéric Leone, Professor, GESTER Université Paul Valéry Montpellier III France; Elkin Velasquez, Professor, Gester France- Universidad Externado de Bogota - Colombia, *Post-disaster resilience: Recovery process after major "natural disaster" and sustainable disaster mitigation.*

10:20 Adena Rissman*, University of Wisconsin at Madison; Nathan Sayre, University of California at Berkeley, *Conservation social relations: collaboration, regulation, and conservation outcomes.*

10:40 Diana Almeida*, Centre for Geographical Studies, *Waterfront management and planning: North riverside front of Almada, Portugal.*

11:00 Shannon Michele McNeeley, Ph.D.*, National Center for Atmospheric Research, *Is Sustainable Adaptation a Possibility within the Institutional Setting for Wildlife and Subsistence Management in Alaska?*

5278. Latin America: Resource and Social Conflict

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Rodrigo Alves-Capelani, Miami University

10:00 Adam J. Czekanski, PE*, United States Military Academy, *Socioeconomic Progression in Rural Honduras and Guatemala.*

10:20 Carlos Tapia, PhD Candidate*, University of Georgia / Instituto Alexander von Humboldt (Colombia), *Political ecology of páramos.*

10:40 Anna Dvorak*, UCLA, *Chinese-Mexican Integration through the trade of Silver in the Mid-Nineteenth Century.*

11:00 Maria L. DiGiano, PhD Candidate*, University of Florida; Edward A. Ellis, PhD, Centro de Investigaciones Tropicales, Universidad Veracruzana, *The Political Ecology of Mexico's Agrarian Counter-Reform: Linking land tenure with forest cover change in southeastern Mexico.*

11:20 Rodrigo Alves-Capelani*, Miami University, *Porto Alegre: a study of changing social and spatial relations in the Brazilian metropolis.*

5279. Dynamic Processes of Place-making

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Judith T. Kenny, University of Wisconsin-Milwaukee

10:00 Christy Collis, PhD*, Creative Industries Faculty, Queensland University of Technology, *The Cultural Economic Geography of Creative Industries: Beyond the Inner City.*

10:20 Crista M Livecchi*, Penn State University, *A tale of two bases: Examining the geography of military-civilian relationships.*

10:40 Mieka B Polanco, Assistant Professor of Anthropology*, James Madison University, *Privatizing the Neighborhood: Front Yards, Gentrification and the Aesthetics of Empty Space in a Southern U.S. Neighborhood.*

11:00 Lanlin Xiang*, Bin Lu, *place making in two campuses of Beijing and Los Angeles.*

11:20 Judith T. Kenny*, University of Wisconsin-Milwaukee, *Contesting the Culture of Home Ownership: Milwaukee's Experiment in Affordable Housing, 1919-1929.*

5280. Economic Geography and High-tech Industries

Room: Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Michael Ziolkowski, Ingram Micro

10:00 Brian Ceh, Ph.D.*, Ryerson University; Todd Sink, ABD, Indiana State University, *Human Creativity and Technological Progress in the US: Social Acumen and Geopolitical influences on Patterns of Production..*

10:20 Johan Jansson*, Uppsala University, *Emerging industries and agglomeration: Internet industry entrepreneurs coping with uncertainty.*

10:40 Fenghua Pan*, Peking University; Jici Wang, Peking University, *Network, Embeddedness and Policy: A comparative study of two mobile phone industrial clusters in China.*

11:00 Michael F Ziolkowski, PhD*, SUNY Brockport, *Optimization of Municipal Telecommunications Networks as a Competitive Advantage.*

5281. Coastal and Marine GIS

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Wilawan Thanatemaneeerat

10:00 Erin E Sams*, Miami University; Mark R Boardman, Professor of Geology, Miami University; R Hays Cummins, Professor of Geography, Miami University; Jen Hagar, Miami University; Sue Henry, Miami University; Diane Howe, Miami University; Erin Julianus, Miami University; Cheyanna Leverington, Miami University; Carl J Nim, Miami University; Lauren Saulino, Miami University; Melanie Simkins, University of Cincinnati; Martin A Wunderly, Miami University, *Percent Cover and Habitat Mapping of a Coral Reef in Curaçao, Netherlands Antilles.*

10:20 Winifred L. Ryan, Ph.D.*, Maritime Research, *Mapping the Sea Scallop Fishery.*

10:40 Harri Tolvanen, Dr.*, University of Turku; Risto Kalliola, Prof., University of Turku; Tapio Suominen, M.Sc., University of Turku, *Seasonal Spatial Dynamics of Seafloor Illumination in a Shallow Coastal Archipelago of the Baltic Sea.*

11:00 Wilawan Thanatemaneeerat*, *Decision Support for Integrated Analysis of Influences on Marine Habitat Quality in Puget Sound.*

11:20 Ann Foster*, USGS; Ursula A. Garfield, USGS; Stephanie K. Bolden, NOAA, *Mapping Atlantic and Shortnose sturgeon habitat along the U.S. Atlantic Coast - Where are they now?.*

5282. Approaches and Analyses in Environmental Justice

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Laura Pitkanen

10:00 Sarah Lashley*, University of Michigan, *Frameworks for Collaboration: Collaborative Problem-Solving in Environmental Justice Communities.*

10:20 Vesela Kardzhilova-Dimitrova*, Salem State College; Marcos Luna, PhD, Salem State College, *Emissions trends of power plants in Massachusetts: An Environmental Justice analysis.*

10:40 Sonja Klinsky*, University of British Columbia, *Public Perceptions of Justice and Scale in Climate Policy.*

11:00 Trevor Fuller*, University of Illinois at Urbana-Champaign, *Their Data, Our Cause: An Exploration of the Form, Function, and Deployment of Maps among Community Environmental Justice Organizations in the U.S..*

11:20 Laura Pitkanen, Hon BA, MA, PhD Candidate*, Department of Geography and Program in Planning, University of Toronto, *A Hot Commodity: Uranium and Environmental Justice.*

SUNDAY, APRIL 18 • 12:00 PM - 2:00 PM • 5300**AAG ANNUAL AWARDS LUNCHEON**

Sunday, April 18, 12:00 p.m. - 2:00 p.m.

Room: *Delaware Suite A/B, Marriott, Lobby Level*

Join colleagues and friends in honoring the recipients of AAG Honors and other awards and prizes. The Awards Luncheon will be held on Sunday, April 18 in Delaware Rooms A and B from 12:00 p.m. - 2:00 p.m.

The following AAG Honors will be presented:

Ronald J. Johnston, University of Bristol,
Lifetime Achievement Award

James S. Duncan, University of Cambridge, *Distinguished Scholarship Honors*

Daniel A. Griffith, University of Texas, Dallas,
Distinguished Scholarship Honors

David A. Lanegran, Macalester College, Gilbert *Grosvenor Honors for Geographic Education*

Victor H. Winston and Bellwether Publishing,
AAG Publication Award

Joshua Muldavin, Sarah Lawrence College,
AAG Award for Media Achievement

In addition to AAG Honors, the J. Warren Nystrom Awards, the Jackson Prize, the AAG Enhancing Diversity Award, and the AAG Mel Marcus Fund for Physical Geography, Specialty Group Awards, and others will be presented.

The following individuals have held 50 years of continuous AAG membership, a measure of support for the Association that will be recognized at the AAG Awards Luncheon:

Robert Bielski
Karl W. Butzer
Emilio Casetti
John M. Crowley
Charles Ebert
Daniel W. Gade
Joseph W. Glass
Charles F. Gritzner
Paul T. Johnson
Paul L. Kendall
Stanley Mackun
Dorothy S. Mason
John Ray
Neil E. Salisbury
Robert Smith
Robert N. Thomas

The cost of the luncheon is \$55, including service and tax. A complete table of ten is also available for \$495. Tickets may be purchased at the AAG Registration Desk.

SUNDAY, APRIL 18 • 2:00 PM - 3:00 PM**AAG BUSINESS MEETING**

Sunday, April 18, 2:00 p.m. - 3:00 p.m.

Room: *Maryland Suite C, Marriott, Lobby Level*

The AAG's annual Business Meeting will be held in the Maryland Suite Room at the Marriott Wardman Park, Lobby Level, on Sunday, April 18 from 2:00 p.m. - 3:00 p.m. AAG officers will present their annual reports. All are welcome to attend.

SUNDAY, APRIL 18 • 2:00 PM - 3:40 PM • 5400

5404. Topics in Cryosphere Research

Room: Embassy, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): John Adler, NOAA / CIRES

2:00 Gregory Ziolkowski*, California State University, Long Beach, *Palisade Glacier: Reconstruction of the Climatic Signal Since the End of the Little Ice Age.*

2:20 Prajwal Panday*, Clark University; Karen Frey, Clark University, *Detection of the timing and intensity of snowmelt in the Hindu Kush-Himalaya using QuikSCAT, 2000-2008.*

2:40 Barry Shaw Winston*, University of Cincinnati, *Mapping Benthic Vegetation in Freshwater Arctic Lakes Using Sonar, GPS, and Remote Sensing.*

3:00 Joshua Meisel*, University of Kansas, *Digital elevation model of Greenland bedrock from interpolated synthetic aperture radar data.*

3:20 John Adler*, NOAA / CIRES, *Determining Surface Runoff in Greenland's Jakobshavn Isbrae Ablation Region via Observed Surface Height Changes for 2006, 2007, and 2008.*

5405. Understanding historical human interactions with the hydrologic cycle (Sponsored by Water Resources Specialty Group, Historical Geography Specialty Group)

Room: Ethan Allen, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Claire Ruffing; Andrew Wreschnig, Washington University in Saint Louis

CHAIR(S): Caroline Hermans, City University of New York

2:00 Caroline Hermans*, City University of New York, *Legacies of channelization: Understanding 19th and 20th century human-river conflicts in the Northeastern United States..*

2:20 Daniel J. Bain*, University of Pittsburgh; Sean MC Smith, Maryland Department of Natural Resources; Robert S Thompson, University of Houston, *Interactions Between Original Land Division and Road and Drainage Networks.*

2:40 Claire Ruffing*, University of Missouri; Daniel J. Bain, University of Pittsburgh; Andrew Wreschnig, Washington University in St. Louis, *Characterizing relationships between historic coal mining activity and contemporary acid mine drainage in northern Appalachia.*

3:00 Todd Guilfoos*, Binghamton University, *Economic Valuation of Water Resources Historically.*

3:20 Sarah McCormack*, University of Kentucky, *Nonlinear impacts of small-scale natural events on Nineteenth Century human decision-making.*

5408. Urban Climate: Local, regional and global impacts - II (Sponsored by Climate Specialty Group, Human Dimensions of Global Change Specialty Group, Asian Geography Specialty Group)

Room: Maryland Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Chandana Mitra, University of Georgia

CHAIR(S): Marshall Shepherd, University of Georgia

2:00 James Carpenter*, Florida State University Department of Geography; Tony Stallins, Florida State University Department of Geography, *Weekday-weekend contrasts in urban lightning modification for Atlanta, Georgia.*

2:20 Gerald Mills*, UCD; Tine Ningal, UCD; Rowan Fealy, NUI Maynooth, *Urban Climatology and Global Climate Change.*

2:40 Elena Aguaron-Fuente*, *Inventory and Forecast of Atmospheric Carbon Dioxide Reductions by the Sacramento's Urban Forest.*

3:00 Johannes J Feddema*, University of Kansas; Keith Oleson, National Center for Atmospheric Research; Trisha Jackson, University of Kansas; Gordon Bonan, National Center for Atmospheric Research, *Simulating Urban Systems in the Community Climate System Model.*

3:20 Gunnar Schade*, *Role of an Open, Mature Tree Canopy on Energy and CO2 Fluxes From a Typical Urban Area.*

5409. Population Responses to Climate Change

Room: Maryland Suite B, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Alistair Geddes, University of Dundee;

Alexandre Gagnon, University of the West of Scotland

CHAIR(S): Alistair Geddes, University of Dundee

2:00 Alistair Geddes*, University of Dundee; Allan M Findlay, Geography, University of Dundee, *Climate change and people movements: a review.*

2:20 Alexandre S Gagnon*, University of the West of Scotland, *Environmental Pressure and Adaptive Capacity to Climate Change: Case Studies in the Scottish Highlands and Islands.*

2:40 Jennifer Joy West*, Center for International Climate and Environmental Research - Oslo, *Perceptions of Ecological Migration in Inner Mongolia, China.*

5411. Land Wars: The Politics of Urban Land Development in the Post-Industrial City - II (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)

Room: Nathan Hale, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Robert W. Lake, Rutgers University

CHAIR(S): Robert W. Lake, Rutgers University

2:00 Ernesto Lopez-Morales*, University of Chile / University College London, *Santiago de Chile: Examining state roles in the transformation of a post-industrial inner city space.*

2:20 Geraldine O'Donnell*, UCD Dublin, *The Extent of State Influence on Urban Development, a Case Study of Dublin, Ireland.*

2:40 Scott Larson*, Graduate Center, City University of New York, *Building Like Moses With Jacobs In Mind.*

3:00 Dara Orenstein*, Yale University, *Extraterritoriality as Development.*

3:20 Virginia L. Parks, PhD*, University of Chicago, *Leveraging Urban Land Development for Labor: The Genealogy of Community Benefits Agreements.*

5412. Post-Apartheid Geographies of South Africa and its Region 3 (Sponsored by Africa Specialty Group)

Room: Park Tower 8206, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Belinda Dodson, University of Western Ontario

CHAIR(S): Belinda Dodson, University of Western Ontario

Introducer: Belinda Dodson

2:05 Karen E Till, PhD*, Virginia Tech University, *The limitations of resilience: The District Six Museum's place-based ethics of care.*

2:25 Bradley Michael Rink, PhD*, University of Cape Town, *Que(e)rying Cape Town: Re-imagining the city through the Pink Map.*

2:45 Myriam Houssay-Holzschuch*, University of Lyon, ENS LSH; Annika Teppo*, University of Helsinki, *Gugulethu, the becoming of a post-apartheid township?.*

3:05 Max J. Andrucki*, University of Leeds, *White South African Transnationalism and the Everyday State: Class, Gender, and the Translocal Body.*

Discussant(s): Jennifer Robinson, Open University

SUNDAY, APRIL 18 • 2:00 PM - 3:40 PM • 5400**5413. Spatial Analysis and Modeling**

Room: Park Tower 8209, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Kelekar Uma, George Mason University

2:00 Lei Wang*, Louisiana State University; Hongxing Liu, University of Cincinnati, *An object-oriented approach to generating hydrologic response units for distributed hydrologic modeling.*

2:20 Elizabeth M Walton, Ph.D.*, SIU Edwardsville, *Using GIS, High Resolution Data and Ecological Niche Modeling to Locate Specialist Turtle Species.*

2:40 Kamyong Kim*, Kyungpook National University, *Aggregation of migration data and modifiable areal unit problems.*

3:00 Kelekar Uma*, George Mason University; Debasree Das Gupta, George Mason University; Sidney Turner, George Mason University, *Crime Rate and Fiscal Externality in the Virginia Counties.*

5414. American Landscapes (Sponsored by Historical Geography Specialty Group, Cultural Geography Specialty Group)

Room: Park Tower 8210, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Douglas A. Hurt, University of Central Oklahoma; Matthew Engel, Northwest Missouri State University

CHAIR(S): Matthew Engel, Northwest Missouri State University

2:00 Ryan Douglas Weichelt*, University of Wisconsin-Eau Claire, *Constituent Responsiveness and Divided Government: A Geographic Analysis of U.S. Senator's Roll Call Voting, 1980 - 2008.*

2:20 Jeffrey Widener*, University of Central Oklahoma, *The Latino Impress in the Oklahoma Panhandle: A Case Study on the City of Guymon.*

2:40 Ezra Zeitler*, University of Wisconsin-Eau Claire, *Memory, Identity, and the Tippecanoe Battlefield Monument.*

3:00 Douglas A. Hurt*, University of Central Oklahoma, *Contested Landscapes of Tradition and Progress in East Tennessee.*

3:20 Matthew Engel*, Northwest Missouri State University, *The Geography of Death: Morbidity in American Newspapers.*

5416. Qualitative Research in China (Sponsored by Qualitative Research Specialty Group, China Specialty Group)

Room: Park Tower 8216, Marriott, Lobby Level (Panel Session)

ORGANIZER(S): Amy Zader, University of Colorado, Boulder; Melissa Yang Rock

CHAIR(S): Michelle Olsgard Stewart, University of Colorado Boulder

Panelists: Melissa Yang Rock; Michelle Olsgard Stewart, University of Colorado Boulder; Amy Zader, University of Colorado, Boulder; Jennifer Dinaburg, University of Colorado-Boulder

5417. Climate Change and Environmental Issues: Indigenous Perspectives II (Sponsored by Indigenous Peoples Specialty Group, Human Dimensions of Global Change Specialty Group)

Room: Park Tower 8219, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): RDK Herman, National Museum of the American Indian

CHAIR(S): Mark H. Palmer, University of Missouri-Columbia

2:00 Randy Pepler*, University of Oklahoma, *Knowing Which Way the Wind Blows: Weather Observation, Belief and Practice among Native Farmers in Oklahoma - First Impressions.*

2:20 Eric C. Wood*, United States Geological Survey; Bull T Bennett, North Dakota Association for Tribal Colleges; David J Meyer, United States Geological Survey; Rajul E Pandya, National Center for Atmospheric Research; Nancy G Maynard, NASA Goddard Flight Center, *Tribal College Climate Change Education in the Dakotas.*

Discussant(s): Shangrila Joshi Wynn, University of Oregon

5419. Spatial Interactions: Analysis and Modeling (Sponsored by Spatial Analysis and Modeling Specialty Group, Transportation Geography Specialty Group)

Room: Thomas Paine, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Xiaobai Angela Yao, University of Georgia

CHAIR(S): Xiaobai Angela Yao, University of Georgia

2:00 Yin Liu*, Arizona State University; Alan T. Murray, Arizona State University; Serge Rey, Arizona State University; Luc Anselin, Arizona State University, *Exploring movement patterns.*

2:20 Morton E. O'Kelly*, Ohio State University, *Spatial Interaction Models for Trip Distribution.*

2:40 X. Angela Yao, Dr. *, University of Georgia, *Measuring Spatial Autocorrelation of Interaction Data.*

3:00 Guilan Weng*, University of Washington; Maojun Wang, Capital Normal University, *A Study on Job-Home Mismatch during Transition: The Case of Beijing.*

3:20 Steven Farber*, McMaster University; Antonio Paez, McMaster University; Manuel Ruiz, Universidad Politecnica de Cartagena, *A non-parametric test for network and spatial dependence using symbolic logic.*

5420. Postcolonial Korea: Conjunctures and Critical Geographies III: Postcolonialism, Transnationalism, and the Korean State (Sponsored by Socialist and Critical Geography Specialty Group)

Room: Virginia Suite A, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Jim Glassman, University of British Columbia; Bae-Gyoon Park, Seoul National University

CHAIR(S): Joel D Wainwright, The Ohio State University

2:00 Young Jin Choi*, Seoul National University, *The Chaebol and the Developmental State: The case of Samsung company.*

2:20 Jim Glassman*, University of British Columbia, *The Chaebol and the Developmental State: The case of Hyundai Construction Company's regionalization.*

2:40 Jamie Doucette*, Department of Geography, University of British Columbia, *A Korean Thermidor?.*

3:00 Sook-Jin Kim*, Konkuk University, *The Production of Transnational Space as a Neoliberal State Space? The Case of Incheon Free Economic Zone.*

3:20 EunHui EOM*, iCOOP Consumers' Cooperative Institute, *Never reigning, just co-operating: The expected role of Korean NGOs in Asian civil society.*

SUNDAY, APRIL 18 • 2:00 PM - 3:40 PM • 5400**5421. Geographic Information Ethics and GIScience (Sponsored by Geographic Information Science and Systems Specialty Group, Ethics, Justice, and Human Rights Specialty Group)***Room: Virginia Suite B, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Francis Harvey, University of Minnesota - Minneapolis

CHAIR(S): Dawn J. Wright, Oregon State University

2:00 Michael B. Dwyer*, University of California, Berkeley, *Technical matters: The practice and politics of geo-referencing.***2:20** Daniel A. Griffith*, University of Texas - Dallas, *Potential and existing ethics controversies involving geospatial technologies.***2:40** Alexandra Serio-Younica, GISP*, King's College, *GIS and Ethics in the Undergraduate Classroom.***3:00** Ker-Hsuan Chien*, National Taiwan University; Chih-Hong Sun, National Taiwan University, *The Contradiction and Limitation of PPGIS as a Mediation of Public Sphere - A Case Study in Rural Taiwan.***3:20** Robert S. Chen*, CIESIN/Columbia University; Mark Parsons, NSIDC/University of Colorado, *Creating an Information Commons for the Earth's Polar Regions.***5422. Social Vulnerabilities***Room: Virginia Suite C, Marriott, Lobby Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Gregg Bowser, University of South Carolina

2:00 Christian Klose*, Think GeoHazards; Christian Webersik, University of Agder Centre for Development Studies, *Impacts of natural hazards on population growth and political stability in Haiti and the Dominican Republic.***2:20** Jenniffer Santos-Hernandez*, Disaster Research Center, *'An Outpost of Development': Social Vulnerability to Disaster in Puerto Rico.***2:40** Jacqueline Waite*, University of Maryland, College Park, *The Political Ecology of River Use and Urban First-World Flood Hazard: A case study of Tulsa, Oklahoma.***3:00** Gregg Bowser*, University of South Carolina, *The Role of Emergency Manager Perception and City Size in Disaster Planning.***5423. New Directions in Health & Medical Geography (Sponsored by Health and Medical Geography Specialty Group, Cultural and Political Ecology Specialty Group)***Room: Coolidge, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Sarah Paige; Amber L. Pearson, University of Washington

CHAIR(S): Sarah Paige

2:00 Amber L. Pearson, MPH, PhD*, University of Washington, *Environmental and Social Conditions of Health: Placing Development in a Ugandan Context.***2:20** Anne C. Bellows*, University of Hohenheim; Gabriela Alcaraz V.; Teresa Vivar, Lazos America Unida, *Changing food environments: Food related behaviors and outcomes in the context of migration..***2:40** Sarah Paige, MPH, PhD*, University of Washington, *People, Primates and Pathogens: An Eco-Social Study of Zoonotic Disease Emergence in Western Uganda.***3:00** Amelia L. Greiner, MS*, Johns Hopkins Bloomberg School of Public Health, *Renewing vows between zoning and health: Challenges and opportunities in creating health-promoting zoning policy.*

Discussant(s): Brian King, The Pennsylvania State University

5424. Border Control and the (Un)making of North American Space I (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Canadian Studies Specialty Group)*Room: Harding, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Julie Young, York University; Johanna Reynolds, York University

CHAIR(S): Johanna Reynolds, York University

2:00 Karine Cote-Boucher*, York University, *Bordering Truck Drivers: Intersections of Security and Economy Along the Canada-US 'Smart Border'.***2:20** Julie E.E. Young*, York University, *Sanctuary Movement(s) and Border Work in the Canada-US Borderlands: Insights from the Detroit-Windsor Refugee Coalition.***2:40** Liette Gilbert*, Faculty of Environmental Studies, York University, *Canada's visa requirement for Mexicans: Egregious marking of North American migration space.***3:00** Adriana E Martinez*, University of Oregon, *Building Fences: Undocumented Immigration and Identity in a Small Border Town.*

Discussant(s): Anssi Paasi, University of Oulu

5429. Environmental Change in the Atlantic World, Part 1 (Sponsored by Africa Specialty Group, Cultural and Political Ecology Specialty Group, Latin America Specialty Group)*Room: Marriott Ballroom Balcony A, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Chris S Duvall, University of New Mexico

CHAIR(S): Chris S Duvall, University of New Mexico

2:00 Chris S Duvall*, University of New Mexico, *Possible long-term influences of Maroon land management practices in Central America during the 1500s and 1600s.***2:20** Lydia M. Pulsipher, M.A., Ph.D*, University of Tennessee, *Foodways of the colonial and post-colonial Eastern Caribbean: An example of historic human-environment interactions in the Atlantic Basin..***2:40** Case Watkins*, Louisiana State University, *Dendezeiro: The African Oil Palm in Bahia, Brazil.***3:00** John H. Rashford, Dr.*, College of Charleston, *Ficus species, the Atlantic World and Landscape Changes in Barbados.***5430. Themes in U.S. Population***Room: Marriott Ballroom Balcony B, Marriott, Mezzanine Level (Paper Session)*

ORGANIZER(S): Program Committee

CHAIR(S): Tyler Roberts, University of Colorado at Boulder

2:00 Paul J. Mackun*, U.S. Bureau of the Census, *An Analysis of Metropolitan and Micropolitan Statistical Area Principal Cities.***2:20** Richard L. Morrill*, University of Washington, *Spatial patterns and types of natural decrease in the United States.***2:40** Tyler Roberts*, University of Colorado at Boulder, *Applying the STIRPAT model in a post-Fordist landscape: can a traditional econometric model work at the local level?.*

SUNDAY, APRIL 18 • 2:00 PM - 3:40 PM • 5400

- 5431. Advances in Paleoclimatology I (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group)**
Room: *Marriott Ballroom Balcony C, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Camille Holmgren, University of Arizona; Kurt F. Kipfmüller, University of Minnesota
CHAIR(S): Camille Holmgren, University of Arizona
2:00 David F Porinchu*, Ohio State University; Nicolas Rolland, Université Laval; Glen M MacDonald, University of California, Los Angeles, *Paleolimnological evidence for abrupt climate change in the central Canadian Arctic at 8200 cal yr BP.*
2:20 Fuyuan Liang*, Western Illinois University; George A. Brook, University of Georgia, *Paleoclimate Variations in the Southeastern USA during the Late Holocene: Stalagmite Evidence from Desoto Caverns, Alabama.*
2:40 Valery J. Terwilliger*, University of Kansas; Tsige Gebru, MS, Addis Ababa University; Mohammed Umer, Ph. D., Addis Ababa University; Yongsong Huang, Ph.D., Brown University; Zewdu Eshetu, Ph.D., Ethiopian Institute of Agricultural Research, *Palaeoenvironmental Changes And The Trajectories of Kingdoms At The Tigray Plateau of Northern Ethiopia.*
3:00 Kurt F. Kipfmüller*, University of Minnesota; Matthew W. Salzer, Laboratory of Tree-Ring Research, The University of Arizona, *Divergence of climate-growth relationships in five-needle pines in the Western United States.*
3:20 David McWethy, PhD*, Montana State University; Cathy Whitlock, PhD, Montana State University; Philip Higuera, PhD, University of Idaho; Christy Briles, PhD, Texas A&M University, *Paleoecological perspective on fire-climate-human linkages.*
- 5432. Governance, environmental change, and evolving land uses in rural areas (Session I) (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)**
Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Michael Finewood, University of South Carolina; Anne Short, University of California Berkeley
CHAIR(S): Michael Finewood, University of South Carolina
2:00 Anne Short*, University of California Berkeley, *Governing Nonpoint Source Pollution in the North Coastal Basin of California.*
2:20 J Anthony Abbott, Ph.D.*, Stetson University, *Rural Landscapes of Consumption and Production: Legitimization and Contestation of Industrial Wind Power through Local Governance.*
2:40 Katie Mann*, University of Nevada, Reno, *Understanding Community Values of Floodplain Preservation by Identifying Individual Perceptions, Behavior and Household Location; a Case Study in Northwestern Nevada.*
3:00 Sean Gillon*, University of California, Santa Cruz, *Environmental Governance for Energy Independence in Iowa: The making of ethanol patriots, land stewards and rural landscapes.*
3:20 Peter A. Walker*, University of Oregon; Patrick T Hurey, Ursinus College, *Planning Paradise.*
- 5442. Rethinking the space-times of decision-making III (Sponsored by Economic Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Wilson A, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Tim Schwanen, University of Oxford; Derek McCormack, University of Oxford
CHAIR(S): Tim Schwanen, University of Oxford
2:00 Stephen McFarland, MRP*, CUNY Graduate Center, *The Fogo Method: Uses of Film and Video as a Tool of Public Participation.*
2:20 Peter Adey, Dr, Keele University; Ben Anderson, Dr*, Durham University, *Event and Anticipation: Emergency Preparedness and the Space-Times of Decision.*
2:40 Jessica Pykett*, Aberystwyth University; Rhys Jones, Aberystwyth University; Mark Whitehead, Aberystwyth University, *Governing behaviour and the re-scientisation of decision-making..*
- 5443. Theorizing the Digital City (Sponsored by Cyberinfrastructure Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)**
Room: *Wilson B, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Michele Masucci, Temple University
CHAIR(S): Michele Masucci, Temple University
2:00 Alan Wiig*, Temple University, *Creating the Digital City: Geographies of the Internet's Infrastructure.*
2:20 Michele Masucci*, Temple University, *Citizen Cartography in the Digital City.*
2:40 Lorena Munoz*, Westfield State College, *'Sense of Place' and the Digital Urban Landscape: Students Navigate and (Re)create Everyday Lived Spaces Through Digital Technologies..*
3:00 Laura Porterfield*, Temple University, *Digital Citizenship in the Era of Surveillance.*
3:20 Michael L. Dorn, PhD*, Temple University, *Independence starts here?! Hertzian space and quest for a 'disability culture'.*
- 5444. Payments and Markets for Ecosystem Services III: Buyers and Sellers in the Global North (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)**
Room: *Wilson C, Marriott, Mezzanine Level (Paper Session)*
ORGANIZER(S): Morgan Robertson, University of Kentucky; Elizabeth N. Shapiro, University of California, Berkeley
CHAIR(S): Elizabeth N. Shapiro, University of California, Berkeley
2:00 Jessica Dempsey*, University of British Columbia, *Can biodiversity matter to the bottom line?.*
2:20 Susan Charnley, PhD*, USDA Forest Service, *Engaging Private Forest Owners in Carbon Markets: Opportunities and Challenges.*
2:40 Morgan Robertson*, University of Kentucky, *Bringing Ecosystem Services to Market: Classifying, Bundling, and Stacking Value.*
3:00 Hannah Gosnell*, Oregon State University, *Opportunities, Challenges, and Limitations Related to Engaging U.S. Ranchers in Carbon Markets.*

SUNDAY, APRIL 18 • 2:00 PM - 3:40 PM • 5400**5446. Common concerns? Rethinking the transport/mobilities divide (II)**

- Room:** *Lincoln Room 2, Marriott, Exhibition Level (Paper Session)*
ORGANIZER(S): Jennie Middleton, University of Plymouth; Jon Shaw, University of Plymouth
CHAIR(S): Jon Shaw, University of Plymouth
2:00 Julien Grunfelder, Mr.*, University of Copenhagen, Denmark; Thomas Sick Nielsen, Professor, University of Copenhagen, *The Transport Perspective in Polycentric Urban Regions*.
2:20 Phil Jones*, University of Birmingham, *The joy of cycling: mapping, embodiment and urban space*.
2:40 Lars Bocker*, Utrecht University; Martin Dijst*, Utrecht University, *Negotiating Shifting Situations by Business Travelers*.
3:00 Mimi Sheller, Ph.D.*, Drexel University, *Cultural Transitions Towards New Mobility Systems: Beyond Transport Geography?*.

5452. Wildfires

- Room:** *Washington Room 2, Marriott, Exhibition Level (Paper Session)*
ORGANIZER(S): Beth Hall, Towson University
CHAIR(S): Beth Hall, Towson University
2:00 Chris Labosier*, Texas A&M University, *Precipitation Variability and its Relation to Wildfire Activity in the Southeastern United States*.
2:20 Beth L. Hall*, Towson University, *Changes in factors influencing natural wildfire ignitions in the western US: 1990-2006*.
2:40 Timothy J. Brown, Dr.*, Desert Research Institute; Gigi Owen, University of Arizona; Dan Ferguson, University of Arizona; Paul Duffy, Neptune and Company; Sarah Trainor, Alaska Center for Climate Assessment and Policy, *Evaluation of Fire Forecast Products to Enhance U.S. Drought Preparedness and Response using Social Network Analysis*.

5453. Enclosing Palestine (Sponsored by Political Geography Specialty Group, Cultural Geography Specialty Group, Middle East Specialty Group)

- Room:** *Washington Room 3, Marriott, Exhibition Level (Panel Session)*
ORGANIZER(S): Helga Tawil-Souri, New York University
CHAIR(S): Helga Tawil-Souri, New York University
Discussant(s): David Slater, Loughborough University
Panelists: Gary Fields, University of California - San Diego; Andy Clarno, University of Illinois at Chicago; Helga Tawil-Souri, New York University

5454. Practice and emotional geographies I

- Room:** *Washington Room 4, Marriott, Exhibition Level (Paper Session)*
ORGANIZER(S): Jonathan Everts, Universität Bayreuth; Lauren Wagner, UCL
CHAIR(S): Jonathan Everts, Universität Bayreuth
2:00 Hanne Louise Jensen*, Roskilde University, *Emotions on the move - mobile emotions and the perception of commuting*.
2:20 Carolin Lydia Schurr*, University of Berne, *Thinking emotions from an intersectional perspective: Gendered and ethnicised emotions in political campaigning in Ecuador*.
2:40 Kirsten Simonsen*, Roskilde University, *Practice, emotion and encountering the other*.
3:00 Kathryn Pratt*, University of Minnesota, *Learning to feel: Methods, Skill and Affect in Collaborative Conservation Projects*.
3:20 Careen Yarnal*, Penn State University, *"Flaunting our finery in public": Women messing with emotions in later life*.

5459. Remote Sensing and GIS Applications in Biogeography II (Sponsored by Biogeography Specialty Group)

- Room:** *Capitol, Omni Shoreham (Paper Session)*
ORGANIZER(S): Kirk M Stueve, United States Forest Service, Northern Research Station; Rachel Isaacs
CHAIR(S): Kirk M Stueve, United States Forest Service, Northern Research Station
Introducer: Kirk M Stueve
2:05 Stephen Yool*, University of Arizona; Jose Iniguez, Rocky Mountain Research Station; James Mack, University of Arizona; Geoffrey Towne, University of Arizona; Timothy Cloninger, University of Arizona; Janet Fox, University of Arizona; Peter Sundt, University of Arizona; Donald Falk, University of Arizona, *Fire Resistance and Resilience in Arid Montane Systems*.
2:24 Benjamin C. Bright*, University of Idaho; Jeffrey A. Hicke, University of Idaho; Arjan J. H. Meddens, University of Idaho, *Characterizing a mountain pine beetle outbreak using Landsat and GIS*.
2:43 James M. Dyer*, Ohio University; Gaurav Sinha, Ohio University, *Using Spatial Multi-attribute Analysis to Develop a Field-based Relative Moisture Index*.
3:02 John Kupfer*, University of South Carolina; Diansheng Guo, University of South Carolina; Peng Gao, University of South Carolina, *Regionalization of National Forest Fragmentation Patterns Using Contiguity Constrained Clustering and Partitioning*.
3:21 Robert G. Bailey, PhD*, US Forest Service, Rocky Mountain Research Station; Barry J. Kronenfeld, PhD, George Mason University, *Implementing Top-Down Hierarchical Thinking into Ecoregion Partitioning Rules*.

5460. Issues in Geomorphology: Dating

- Room:** *Chairman, Omni Shoreham (Paper Session)*
ORGANIZER(S): Program Committee
CHAIR(S): Daniel S. Margoless
2:00 Michael L. Cline*, University of Arizona; Tammy Rittenour, Ph.D., Utah State Luminescence Lab; Vic Baker, Ph.D., University of Arizona, *Assessments of luminescence and AMS radiocarbon chronologies for middle-late Holocene flood sediments: implications for paleohydrology and paleoclimatology*.
2:20 Jason S. Polk, Ph.D.*, Western Kentucky University; Philip van Beynen, Ph.D., University of South Florida, *A Calibration of Changing Precipitation and Cave Dripwater Stable Isotopes in West-central Florida*.
2:40 Daniel S. Margoless*, Department of Geography, University of Minnesota; Kurt F. Kipfmüller, Department of Geography, University of Minnesota, *Can climate-growth characteristics explain tree survival during a mountain pine beetle outbreak?*.

5465. New Path-Shaping in Post-Socialist Cities III (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

- Room:** *Director's, Omni Shoreham (Paper Session)*
ORGANIZER(S): Megan Dixon, College of Idaho; Ludek Sykora, Charles University in Prague
CHAIR(S): Nathaniel S. Trumbull, University of Connecticut
2:00 Nathaniel S. Trumbull*, University of Connecticut, *GIS and the manipulation of public opinion in the post-socialist urban space*.
2:20 Roman Matousek*, Charles University in Prague, *Environmental Justice and Post-Socialism: concept, context, issues*.
2:40 Diana Ter-Ghazaryan*, Florida International University, *The Absent and the Present: Symbols in the Cultural Landscape of Yerevan, Armenia*.

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3:00 Grant Jude Garstka*, University of Colorado - Boulder,
*Changing Everyday Geographies in the Post-Socialist
City: Stara Zagora, Bulgaria.*
Discussant(s): Oleg Golubchikov, University of Oxford, UK

**5466. Critical Geographies of Race and Critical Race Theory
III: Environmental and Everyday Racisms (Sponsored
by Geographic Perspectives on Women Specialty Group,
Population Specialty Group, Ethnic Geography Specialty
Group)**

Room: Embassy, Omni Shoreham (Paper Session)
ORGANIZER(S): Tricia Ruiz, University of Washington;
Rebecca Burnett, University of Washington
CHAIR(S): Michael Babb, University of Washington
2:00 Melissa Adams*, University of Texas At Austin; Eliot
Tretter, PhD, University of Texas at Austin, *The
Privilege of Staying Dry: The Impact of Flooding and
Racism on the Emergence of the "Mexican" Ghetto in
Austin's Lower-Eastside, 1880-1935..*
2:20 Raoul S. Lievanos, M.A. *, University of California, Davis,
*"A Minority Perspective is Limited": Environmental
Privilege and Surface Water Hazards in an Impaired
Estuary.*
2:40 Margaret Marietta Ramirez*, University of Washington,
Seattle, *Facing race: confronting colorblindness to
build a more effective food justice movement.*
3:00 Tricia Ruiz, Ph.D. candidate*, University of Washington,
*Separate and unequal: theorizing the racial
geographies of school quality.*
3:20 Amanda Huskinson*, University of Nottingham, *Black,
White and Blues: "Blues in the Schools" Programs in
the United States.*

5474. Beaches, Birds, Oysters and Barrier Islands

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): John F. Dobosiewicz, Kean University
2:00 Lesley E. Milheim*, United States Geological Survey; E.
Terrence Slonecker, United States Geological Survey;
Peter R. Claggett, United States Geological Survey, *A
Landscape Indicator Approach to Identifying Changes
in Bird Habitat in the Chesapeake Bay Watershed,
1984-2006.*
2:20 Brian Rizzo, Ph.D*, University of Mary Washington,
*Quantifying Shoreline Change on The Virginia Barrier
Islands.*
2:40 Geri Pepe*, ESRI, *Monitoring state of the Rehoboth and
Dewey beaches, DE using GIS tools.*
3:00 John F. Dobosiewicz*, Kean University, *Oyster Restoration
in Estuaries.*

5475. Place-based Analysis of Energy Use

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Warren Christopher Jochem, Oak Ridge National Lab
2:00 Richard J Bartholomew*, Rowan University, *High Tensions
in the Highlands: Land Use Conflicts in New Jersey.*
2:20 Lisa Redman*, Appalachian State University; Christopher
A. Badurek, Ph.D., Appalachian State University,
*Spatial Analysis of Demographic Influences on
Household Energy Conservation Decision-making in
Northwestern North Carolina.*
2:40 Gernot Paulus*, School of Geoinformation, Carinthia
University of Applied Sciences, *Community- based
Assessment, Spatial Analysis and Visualization of
Energy Consumption Data.*
3:00 Ezgi Akpınar-Ferrand*, University of Cincinnati, *Climate
Change and Increased Air Conditioning Demand on
Energy in Developing Countries: Case Study on India.*

3:20 Warren Christopher Jochem*, Oak Ridge National Lab;
Gary T. Mays, Oak Ridge National Lab; Sherrell R.
Greene, Oak Ridge National Lab; Randy J. Belles, Oak
Ridge National Lab; Mustafa Sacit Cetiner, Oak Ridge
National Lab; Stanton W. Hadley, Oak Ridge National
Lab, *National Site Suitability and Spatial Modeling of
Electrical Generation Sources.*

5476. Natural Resource Based Development in Asia

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Xiaohua Gou
2:00 Adrienne Johnson, BA*, York University, *The involvement
of NGOs in the Palm Oil sector of Indonesia: An
evolutionary perspective on the work of Sawit Watch.*
2:20 Brian Marks*, University of Arizona, *Historical and
Geographical Change in Farming Systems Across Four
Sites in the Coastal Mekong Delta of Viet Nam.*
2:40 Meixue Yang*, Xiaohua Gou, Lanzhou University,
*Asymmetric variability between maximum and
minimum temperatures in Northeastern Tibetan
Plateau: Evidence from tree rings.*
3:00 Pei-Ying Ho*, Arizona State University, *Culture, Place,
Planning.*
3:20 Xiaohua Gou*, Lanzhou University, *Streamflow variations
of the Yellow River over the past 593 years in western
China reconstructed from tree rings.*

5477. Perilous Coasts

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Bimal Kanti Paul, Kansas State University
2:00 Bimal Kanti Paul*, Kansas State University, *Human
Injuries Caused by Bangladesh's Cyclone Sidr: An
Empirical Study.*
2:20 Joshua D. Kent*, Louisiana State University; Roy K.
Dokka, Louisiana State University, *Anthropogenic
Subsidence along Coastal Louisiana.*
2:40 Helmut Kraenzle, Prof. Dr. *, James Madison University,
Measurement and Fractal Modeling of Coastlines.
3:00 Emma McKinley, MSc BSc*, Bournemouth University,
*People power! The application of citizenship to
management of the marine environment in the UK.*

5478. Coasts, Cattle, Diseases, and Disasters

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)
ORGANIZER(S): Program Committee
CHAIR(S): Miranta Dandoulaki
2:00 David Eduardo Lucero*, University of Vermont; Sabrina
Lopez, Undergraduate Student, University of Vermont,
*Chagas Disease in Bolivia: An insight into its
prevalence.*
2:20 Ritaumaria Pereira*, Michigan State University; Cynthia
Simmons, Michigan State University, *Cattle ranching
in the Brazilian Amazon: consequences of the global
economy.*
2:40 Alexis Aguilar*, Salisbury University, *This land is not your
land: Natural Resource Exploitation and the Honduran
Coup.*
3:00 Miranta Dandoulaki, Dr. *, National Centre for Public
Administration and Local Government (EKDDA),
*Spatial planning and earthquake risk management:
The Greek experience during the years 1975-2005.*

SUNDAY, APRIL 18 • 2:00 PM - 3:40 PM • 5400**5479. Cultural Geographies of Environmental Change in Africa****Room:** Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Swathi Veeravalli, Oxford University

2:00 Shannon Randolph, PhD Candidate*, Stanford University, *Tracking the Origins of Wild Game Preferences in Urban Africa.***2:20** Iddrisu Adam, PhD, Associate Professor*, University of Wisconsin - Marshfield, *Traditional Institutions - Catalysts or Roadblock for Progress. The Case of Nanun, Ghana.***2:40** J.H. Leaman*, Villanova University, *The Cattle Culture and the Sahel Environment.***3:00** Swathi Veeravalli*, Oxford University, *Kenyan landscape: identity and rural water access.***5480. Economic Geography: Labor Issues****Room:** Cleveland 1, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Emily Scarborough, Ohio State University

2:00 Charlynn Burd, PhD Student*, University of Tennessee, *Spatial Distribution of High Human Capital (Engineers) and Their Urban Environment.***2:20** Emily Scarborough*, Ohio State University, *Geographies of Dualism: A Critique in Case Study.***5481. Remotely Sensing Population Distribution****Room:** Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Joshua Comenetz, U.S. Census Bureau

2:00 Joshua Comenetz*, U.S. Census Bureau, *Building an online population map database for disaster relief and crisis management.***2:20** Derek Azar*, US Census Bureau, *The Use of Imagery-Derived Population Distribution and Census Data to Support Haitian Relief and Recovery.***2:40** Hans-Peter Thamm*, Free University Berlin, Remote Sensing and Geo Informatic; Ho Long Phi, Ho Chi Minh City University of Technology, HCM City, Viet Nam; Harry Storch, Brandenburg University of Technology Cottbus; Dirk Schwede, energydesign asia - Ingenieurgesellschaft mbH + energydesign (Shanghai) Co., Ltd., *Urban Climate in a Tropical Mega City - Steps towards an optimised Urban Design of HCM City.***3:00** Kathryn Grace*, University of California, Santa Barbara, *Using Demographic Data to Estimate Cropped Area in Highly Undernourished Countries.***5482. Remote Sensing and Agriculture****Room:** Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Karin Callahan, University of Nebraska Lincoln

2:00 Dmitry A Ershov*, University of Northern Iowa; Ramanathan Sugumaran, University of Northern Iowa, *Estimating crop residue cover using hyperspectral imagery.***2:20** Rhett L. Mohler*, Kansas State University, *Selection of bands/indices and multi-scale classification of burned areas in tallgrass prairie using MODIS, TM, and oblique photography.***2:40** Beth Jamie Feingold, MPH, MEd*, Johns Hopkins School of Public Health; Ellen K Silbergeld, PhD, Johns Hopkins School of Public Health, *Satellite Remote Sensing Techniques for Identification of Concentrated Animal Feeding Operations.***3:00** Karin Callahan*, National Drought Mitigation Center, University of Nebraska Lincoln; B. D. Wardlow, National Drought Mitigation Center, University of Nebraska- Lincoln; J. F. Brown, USGS Earth Resources Observation and Science Center; Y. Gu, Contractor to USGS Earth Resources Observation and Science Center; S. Pervez, Contractor to USGS Earth Resources Observation and Science Center; S. Maxwell, USGS Earth Resources Observation and Science Center, *Accuracy Assessment of the 2002 MODIS Irrigated Agriculture Dataset.*

SUNDAY, APRIL 18 • 4:00 PM - 5:40 PM • 5500**5502. Conservation Crises and the Politics of Belonging in Tanzania**

Room: *Delaware Suite A, Marriott, Lobby Level* (Panel Session)
 ORGANIZER(S): Benjamin Gardner, University of Washington Bothell
 CHAIR(S): Benjamin Gardner, University of Washington Bothell
 Panelists: Benjamin Gardner, University of Washington Bothell; Mara Jill Goldman, University of Colorado; Alicia Davis, University of Colorado, Boulder; Igoe James, Dartmouth College; Elizabeth Croucher, University of Colorado Boulder; Richard A. Schroeder, Rutgers University

5503. Transport planning and governance

Room: *Delaware Suite B, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Verena Meister, Freie Universität Berlin; Matthias Kracht, Freie Universität Berlin
 CHAIR(S): Verena Meister, Freie Universität Berlin
4:00 Verena Meister*, Freie Universität Berlin, *Choosing the right story: The power of policy narratives in decision-making processes at the port-city interface.*
4:20 Matthias Kracht*, Freie Universität Berlin, *East meets west - Lessons from a Mega Transport Project in Germany.*
4:40 Justin Scheidt*, Ferris State University, and Research Associate, The Mineta Institute of Transportation, *The Use of Abandoned Railroad Corridors in Current High Speed Rail Efforts in the United States.*
5:00 Xueming Chen, Ph.D, AICP*, Virginia Commonwealth University, *Rail Planning in the Northeast Megaregion and the Yangtze River Delta Megaregion: An International Comparison.*
5:20 Patrizia Nobbe*, NYU Wagner Rudin Center for Transportation Policy and Management; Marta Panero, NYU Wagner Rudin Center for Transportation Policy and Management, *Urban Transportation Mega Projects: The Politics of Public-Private Partnerships.*

5504. Topics in GIS and Remote Sensing

Room: *Embassy, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Steve McClure, George Mason University
4:00 Edward Heath Robinson*, University at Buffalo, *Bridging the Technical and Contextual Divide: A Path to Geographic Intelligence Systems.*
4:20 JianJun Wu*, Beijing Normal University; YanTing Zheng, Beijing Normal University; Lin Zhao, Beijing Normal University, *Relationships among Dust Outbreaks, Rainfall, Temperature and Vegetation Cover in the Sand Source Region of Beijing-Tianjin.*
4:40 David Gwynn*, *Remotely Sensed Imagery as Documentary Evidence of Ethnic Cleansing: Strengths, Weaknesses, and Strategies.*

5505. African Medical Geographies

Room: *Ethan Allen, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Wei Luo
4:00 Heidi G. Frontani, PhD*, Elon University; Lauren G. Taylor*, Elon University, *State Policies and Outmigration of Health Professionals from Ghana and South Africa.*
4:20 Kofi Awusabo-Asare*, University of Cape Coast, Ghana, *Sisters in Town: Risks and Challenges of Commercial Sex Workers in Urban.*
4:40 Morgan M Levison, BScH, BA*, McMaster University; Susan J Elliott, PhD, McMaster University, United Nations University; Diana MS Karanja, PhD, Kenya Medical Research Institute; Corinne Schuster-Wallace, PhD, United Nations University; John Ayisi, PhD, Kenya Medical Research Institute; Bernard Abudho, MSc, Kenya Medical Research Institute, *Water, Sanitation and Health: Knowledge, attitudes, practices, empowerment in rural communities.*
5:00 Wei Luo*, GeoVISTA Center, Department of Geography, Penn State University; Justine Blanford, GeoVISTA Center, Department of Geography, Penn State University; Frank Hardisty, GeoVISTA Center, Department of Geography, Penn State University; Craig McCabe, GeoVISTA Center, Department of Geography, Penn State University; Alan M MacEachren, GeoVISTA Center, Department of Geography, Penn State University, *A hierarchical framework to understand the characteristics of measles transmission.*

5508. Vegetation and Climate Change

Room: *Maryland Suite A, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Jonathan Herbert, Jacksonville State University
4:00 Guoping Tang*, University of Vermont; Brian Beckage, Department of Plant Biology, *Predicting the response of vegetation in New England to projected future climate change.*
4:20 Elizabeth A. Crisfield*, Penn State University; Erica A.H. Smithwick, PhD, Penn State University, *A graph theoretic analysis of terrain and migration pathways for trees in the Appalachian Mountains.*
4:40 Jonathan Herbert*, Jacksonville State University, *Predicting Climate Change in National Parks.*

5509. Confronting Gramsci: Nature, Space and Politics

Room: *Maryland Suite B, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Michael Ekers, Student; Alex Loftus, Royal Holloway, University of London
 CHAIR(S): Michael Ekers, Student
4:00 Michael Ekers*, University of Oxford, *Fucking the Clear-cut: Labour, Sexuality and Nature in the British Columbia Tree Planting Industry.*
4:20 Benedetto Fontana, PhD*, Baruch College/CUNY, *The Politics of Space in Gramsci.*
4:40 Abdurazack Karriem*, Cornell University, *Space, Ecology, and Politics in the Praxis of the Brazilian Landless Movement.*
5:00 Alex Loftus*, Royal Holloway, University of London, *Gramsci, Caudwell and the making of new ecologies.*

SUNDAY, APRIL 18 • 4:00 PM - 5:40 PM • 5500**5511. Land Wars: The Politics of Urban Land Development in the Post-Industrial City - III (Sponsored by Socialist and Critical Geography Specialty Group, Political Geography Specialty Group, Urban Geography Specialty Group)**

- Room:** Nathan Hale, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Robert W. Lake, Rutgers University
 CHAIR(S): Virginia L. Parks, University of Chicago
4:00 Eleonora Pasotti*, University of California, Santa Cruz, *Contentious Politics Over Land Use in South American Capitals.*
4:20 Christopher Niedt*, Hofstra University, *Eminent Domain after Kelo, during Crisis.*
4:40 Debbie Becher, Ph.D. Sociology, Princeton*, Visiting Scholar, American Academy of Arts and Sciences, *Just Compensation and Relocation in Eminent Domain: applying moral categories of property relationships.*
5:00 Jason Page*, California State University - Long Beach; Christine L. Jocoy, PhD*, California State University - Long Beach, *Rationalizing land development in urban wetlands: Shifting pro-development discourses in Playa Vista, CA 1987-2007.*
5:20 Gerda R. Wekerle*, York University, *Land Use Battles, NIMBYs and the Strong Arm of the State.*

5512. Post-Apartheid Geographies of South Africa and its Region 4 (Sponsored by Africa Specialty Group)

- Room:** Park Tower 8206, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Belinda Dodson, University of Western Ontario
 CHAIR(S): Belinda Dodson, University of Western Ontario
 Introducer: Belinda Dodson
4:05 Shirley Joy Brooks, PhD*, University of the Free State, South Africa, *Transforming conservation landscapes? Reflections on change and continuity in post-apartheid South Africa.*
4:25 Anne-Marie Debbané*, York University, *Producing uneven waterscapes: Nature, power, and agrarian transformation in the Ceres Valley, South Africa.*
4:45 Brij Maharaj*, University of KwaZulu Natal, *Post-apartheid urban contestations: the struggle for the Warwick Market in Durban.*
 Discussant(s): Jennifer Robinson, Open University

5513. Spatial Analysis and Modeling II

- Room:** Park Tower 8209, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Ningchuan Xiao, The Ohio State University
4:00 Oleg A Smirnov, Ph.D.*, University of Toledo, *Geographic Space and the Rediscovery of Theoretical Geography.*
4:20 Jeff Howarth*, Middlebury College, *What works for you? Using personal goals to evaluate planned space.*
4:40 Brad M. Shirey, GISP*, Pennsylvania State University, County of Berks - Pennsylvania, *Land Evaluation Site Assessment - A GIS Land Preservation Application.*
5:00 Denis J. Dean, PhD*, University of Texas at Dallas, *A Monte Carlo Evaluation of the Effectiveness of Maritime Aerial Searches.*
5:20 Ningchuan Xiao*, The Ohio State University, *Where is central Ohio? Understanding vague regional concepts using many-valued logic.*

5514. Urbanity's new clothes - Urban utopias and Heterotopias. Theorizing and evaluating urban spaces. (Sponsored by Cultural Geography Specialty Group)

- Room:** Park Tower 8210, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Gerhard Hatz; Christina Maria West
 CHAIR(S): Gerhard Hatz
4:00 Siegmund Langegger*, University of Colorado Denver, *Proposing a Heterotopic Toolkit.*
4:17 Nicky Agate*, NYU, *The Nineteenth Century and the Urban In-between.*
4:34 Markus Vogl*, Academy of Fine Arts Vienna, *"urbanity throughout density?" the ability of urban overall concepts - manifestos of architectural modernism - to transform.*
4:51 Marilena Liguori*, INRS - Urbanisation, Culture et Société, *Marketing Diversity in the Competitive City: Imagining the 'Multicultural' Utopia.*
5:08 Huib Ernste*, Radboud University Nijmegen, *Eccentric Positionality and Urban Space.*
5:24 Martin Klamt*, Humboldt-University of Berlin, *Sensing Urbanity - Regulating Heterotopia.*

5515. Urban Governance Concepts and Research in China - Adaptation or Application? (Sponsored by China Specialty Group)

- Room:** Park Tower 8212, Marriott, Lobby Level (Illustrated Paper Session)
 ORGANIZER(S): Uwe Altrock; Michael Waibel, University of Hamburg
 CHAIR(S): Uwe Altrock
4:00 Sonia Schoon*, University of Kassel, *Urban Governance in the Context of Urbanized Village Redevelopment in the PRD, China..*
4:05 Christian Wuttke*, Institute of Geography, University of Osnabrück, Germany, *The Evolution of Urban Governance in China's Pearl River Delta - An Institutional Perspective.*
4:10 Xiao Liu, Dr.*, Liu Xiao, *Community regeneration and development research in eco-controlled area---A case study of Jingui community in Shenzhen, China.*
4:15 Uwe Altrock*, University of Kassel; Michael Waibel, University of Hamburg, *Urban Governance in China - Towards an Application of Western Concepts?.*
4:20 Friederike Schroeder*, University of Hamburg, Germany; Bo'Sin Tang, Hong Polytechnic University, *Governance of Spatial Economic Upgrading Processes in Urban China - The Case of Guangzhou.*

5518. Critical Perspectives on Urban Planning

- Room:** Park Tower 8222, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Petra L. Doan, Florida State University
4:00 Joris Ernest Van Wezemael*, University of Fribourg, Switzerland, *Transformative practices in spatial planning as an exploration of possibility spaces.*
4:20 Tracy Kugler*, Oregon State University; Weiser David, Oregon State University; Xiaoli Fern, Oregon State University; Julia Jones, Oregon State University; Mary Santelmann, Oregon State University, *Typology of metropolitan regional forms in the United States.*
4:40 Joel Outtes*, UFRGS-University Fed Rio Gde Do Sul; Amanda Fialho Moraes, UFRGS; Ana Crisrina Castagna, UFRGS; Juliana Manfro, UFRGS, *Origins of the Urban International: Possible relations between several International Urban Institutions..*
5:00 Petra L. Doan*, Florida State University, *Planning and the Tyranny of Gender: Challenging Heteronormative Assumptions.*

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- 5519. New Methods in Point Pattern Analysis (Sponsored by Spatial Analysis and Modeling Specialty Group)**
Room: *Thomas Paine, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Barry Joel Kronenfeld, George Mason University; Timothy Leslie, George Mason University
 CHAIR(S): Timothy Leslie, George Mason University
4:00 Yukio Sadahiro*, University of Tokyo, *Spatial relations among point distributions on a discrete space.*
4:20 Barry Joel Kronenfeld, PhD*, George Mason University, *A Plotless Density Estimator based on the Asymptotic Limit of Ordered Distance Estimation Values.*
4:40 Ping Yin*, University of Georgia; Lan Mu, University of Georgia; John Radke, University of California, Berkeley; Yaning Chen, Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, *Gamma-partition: a clustering method for spatial point pattern analysis.*
5:00 Boleslo Edward Romero*, Michigan State University; Ashton Shortridge, M, *3D Point Segmentation and Feature Representation.*
5:20 Timothy F Leslie*, George Mason University; Barry Kronenfeld, George Mason University, *The Co-Location Quotient: A New Measurement of Spatial Correlation Between Categories.*
- 5520. Geospatial Web and related cartographic research (Sponsored by Cyberinfrastructure Specialty Group, Geographic Information Science and Systems Specialty Group, Cartography Specialty Group)**
Room: *Virginia Suite A, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Michael Page, Emory University; Ming-Hsiang Tsou, San Diego State University
 CHAIR(S): Michael Page, Emory University
 Introducer: Michael Page
4:05 Ernesto Giron*, Amazon Initiative GIS Consultant; Elizabeth Barona, CIAT; Glenn G. Hyman, CIAT; Jan Borner, CIAT, *Estimating CO2 emissions and opportunity costs of avoided deforestation: Web-based GIS to support policy and program development for the Amazon.*
4:24 Ick Hoi Kim*, San Diego State University, *Population Growth Simulation on the TeraGrid-enabled Geospatial Web Portal.*
4:43 Ming-Hsiang Tsou*, San Diego State University, *The Future of Geospatial Web: Web Portals or Mashups?.*
5:02 Michael P. Peterson, Ph.D*, University of Nebraska; Paul Weiser, University of Nebraska at Omaha, *Comparison of Online Mapping APIs.*
5:21 Michael Page*, Emory University, *Mapping the Sanctuary of the Great Gods.*
- 5521. A special session that is contributed to the development and application of geographically weighted regression: methods, applications and theories. (Sponsored by Geographic Information Science and Systems Specialty Group, Spatial Analysis and Modeling Specialty Group, Applied Geography Specialty Group)**
Room: *Virginia Suite B, Marriott, Lobby Level* (Paper Session)
 ORGANIZER(S): Danlin Yu, Montclair State University
 CHAIR(S): Danlin Yu, Montclair State University
4:00 Danlin Yu*, Montclair State University, *Explore a hybrid spatial interpolation method: geographically weighted regression - Kriging method.*
4:20 Amy Graham*, Oklahoma State University, *The Spatial Dimensions of Poverty in Oklahoma: Measuring Local Variations using Geographically Weighted Regression.*
4:40 Wang Junfeng*, UNC Pembroke; Huili Hao, East Carolina University, *The Health Impacts of Brownfields in Charlotte, NC: A Spatial Approach.*
- 5523. Cultural Geographies of Sound and Music**
Room: *Coolidge, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mike Cado, York University
4:00 Katie Hemsworth, MA*, Brock University, *Sound and Spatiality: Personal listening devices and socio-spatial experiences of public transit.*
4:20 Mervi Tervo*, University of Oulu, Department of Geography, Finland, *Beauty and the Bastard: Hip hop, Gender and City Space in Finnish Cinema.*
4:40 Katrinka C. Somdahl-Sands*, Rowan University; Veronica Morley*, *Music with a message: U2's rock concerts as spectacular spaces of politics.*
5:00 Aaron S Burkle, ABD*, Kent State University, *Effects of Popular Music on Vernacular Regional Identity.*
5:20 Mike Cado*, York University; Teresa Abbruzzese, York University, *Tracking Place and Identity in Bruce Springsteen's Tracks.*
- 5524. Border Control and the (Un)making of North American Space II (Sponsored by Urban Geography Specialty Group, Political Geography Specialty Group, Canadian Studies Specialty Group)**
Room: *Harding, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Julie Young, York University; Johanna Reynolds, York University
 CHAIR(S): Julie Young, York University
4:00 David Natcher, Dr. *, University of Saskatchewan, *Cross-Border Dimensions of Vuntut Gwich'in Food Security.*
4:20 Jennifer Ridgley*, University of Toronto, *The Border in the City: Youth, Crime Control, and the Urbanization of Immigration Law Enforcement.*
4:40 Kenneth D. Madsen*, Ohio State University, *From Conflict to Cooperation: Local Responses to U.S.-Mexico Border Barriers.*
5:00 Johanna Reynolds*, York University, *Making Visible Through Its Parts: Regulating identity and the case of Suaad Hagi Mohamud.*
 Discussant(s): Pablo Bose, York University
- 5529. Environmental Change in the Atlantic World, Part 2 (Sponsored by Cultural and Political Ecology Specialty Group, Historical Geography Specialty Group, Latin America Specialty Group)**
Room: *Marriott Ballroom Balcony A, Marriott, Mezzanine Level* (Paper Session)
 ORGANIZER(S): Chris S Duvall, University of New Mexico
 CHAIR(S): Chris S Duvall, University of New Mexico
4:00 Karl Offen*, University of Oklahoma, *Puritan Bioprospecting in Central America and the West Indies.*
4:20 Chelsea Teale*, The Pennsylvania State University, *The Contribution of European Landscape Gardening to the Flora and Fauna of the Northeastern United States.*
4:40 Lawrence S. Grossman*, Virginia Tech, *Peasant Agricultural Competitions on Jamaica during the Early Twentieth Century.*
5:00 Matthew C LaFevor*, The University of Texas at Austin, *The Ecology of Gunpowder Production in Colonial Mexico (1519-1819).*

SUNDAY, APRIL 18 • 4:00 PM - 5:40 PM • 5500**5530. Cultural Identities, Place, and Space**

Room: *Marriott Ballroom Balcony B, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Margaret Robertson, La Trobe University

4:00 Katherine Koppel*, California State University, Long Beach, *Between Life stages and Cultures: the identities of children of deaf adults.*

4:20 Jeffery J Vincent*, United States Military Academy, *The Place of Place in the Cajun Cultural Identity.*

4:40 Thomas Ptak*, University of Oregon, *Tibetan Migration, Cultural Reproduction, Identity and Place in North America.*

5:00 Scott Warren*, Arizona State University, *Place-Identity in the Great Plains Reservation Community of Poplar, Montana.*

5:20 Margaret E. Robertson, PhD*, La Trobe University; Margaret E Robertson, PhD, La Trobe University; Tiine Beneker, PhD, Utrecht University, *Young People, Their Views and Imagined Spaces: Cross-cultural Perspectives.*

5531. Advances in Paleoclimatology II (Sponsored by Biogeography Specialty Group, Paleoenvironmental Change Specialty Group, Mountain Geography Specialty Group)

Room: *Marriott Ballroom Balcony C, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Camille Holmgren, University of Arizona;

Kurt F. Kipfmüller, University of Minnesota

CHAIR(S): Kurt F. Kipfmüller, University of Minnesota

4:00 Camille A Holmgren*, Buffalo State College; Julio L Betancourt, United States Geological Survey; Kate A Rylander, United States Geological Survey, *Late Quaternary vegetation history of the Sierra San Pedro Martir, Baja California, Mexico.*

4:20 Sonja Hausmann*, University of Arkansas; Ruchi Bhattacharya, University of Arkansas; J. Bradford Hubeny, PhD, Salem State College; Jessica L. Black, PhD, CEREGE-CNRS UMR 6635; Erik Brown, PhD, University of Minnesota Duluth; Stephen K. Boss, PhD, University of Arkansas, *Flood reconstruction using a oxbow lake diatom training set in the lower Mississippi Valley.*

4:40 Philip E Van Beynen, PhD*, University of South Florida; Anna Leech, University of South Florida; Jason S Polk, Western Kentucky University, *Mid-Holocene Climate Reconstruction for Subtropical North America.*

5:00 Colin Long*, University of Wisconsin Oshkosh; Mitchell Power, University of Utah; Breanne McDonald, University of Wisconsin Oshkosh, *Millennial-scale fire history from the mesic hardwood forests of southeastern Wisconsin.*

5:20 Stephanie Fowler Dodds*, University of South Carolina, *Long-term Winter Precipitation Reconstruction for Western North America Using Documentary and Instrumental Sources.*

5532. Governance, environmental change, and evolving land uses in rural areas (Session II) (Sponsored by Cultural and Political Ecology Specialty Group, Rural Geography Specialty Group)

Room: *Marriott Ballroom Balcony D, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Michael Finewood, University of South Carolina; Anne Short, University of California Berkeley

CHAIR(S): Anne Short, University of California Berkeley

4:00 Christian Brannstrom*, Texas A&M University, *A Q-Method Analysis of Environmental Governance in Brazil's Northeastern Soy Frontier.*

4:20 Wolfram Dressler, Dr*, University of Queensland; Michael Fabinyi, Dr., Research Associate, University of Queensland, *Buhay-buhay or bust? Swidden Decline and the Grouper Fishery on Palawan Island, the Philippines.*

4:40 Joel Hartter*, Department of Geography, University of New Hampshire; Sadie J. Ryan, National Center for Ecological Analysis and Synthesis (NCEAS), *Top-down or bottom-up? Decentralization, natural resource management, and usufruct rights in the forests and wetlands of western Uganda.*

5:00 Julia Affolderbach*, Université Du Luxembourg, *Remapping Resource Peripheries in Canada and Australia.*

5:20 Kristian Saguin*, Texas A&M University, *Decentralization and Territories of Environmental Governance in a Changing Philippine Coast.*

5543. Informal Housing in Built Environments (Sponsored by Socialist and Critical Geography Specialty Group, Urban Geography Specialty Group, Ethnic Geography Specialty Group)

Room: *Wilson B, Marriott, Mezzanine Level* (Paper Session)

ORGANIZER(S): Solange Isabel Munoz, University of Texas - Austin; Jan Dohnke, Freie Universität Berlin

CHAIR(S): Jan Dohnke, Freie Universität Berlin

4:00 Jill Wigle*, Carleton University, *The "graying" of "green" zones and the production of informality in Mexico City.*

4:20 Solange Isabel Munoz, PhD Candidate*, University of Texas - Austin, *Casas Tomadas in Buenos Aires: Waiting for eviction with no place to go.*

4:40 Melissa Malouf Belz*, Kansas State University, *The Ger Tradition: Understanding Urbanization in a Nomadic Society.*

5:00 Renata Cunha Borges Ralid, Architect and Urbanist IRD/Sorbonne*, *Policy Responses to Informal Housing in Brasilia Brazil.*

5544. Payments and Markets for Ecosystem Services IV: Establishing Governance and Institutions (Sponsored by Economic Geography Specialty Group, Cultural and Political Ecology Specialty Group)

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

ORGANIZER(S): Morgan Robertson, University of Kentucky; Elizabeth N. Shapiro, University of California, Berkeley

CHAIR(S): Morgan Robertson, University of Kentucky

4:00 Esteve Corbera, Dr*, School of International Development, University of East Anglia; Nicole Gross-Camp, Dr, School of International Development, University of East Anglia; Janet Fisher, School of International Development, University of East Anglia; Adrian Martin, Dr, School of International Development, University of East Anglia, *Payments for environmental services, tropical livelihoods and conservation: a review of the evidence.*

4:20 Boyd Emily, Dr*, Leeds University/Oxford University, *Environmentality and carbon offsets: case studies from India and China.*

4:40 Elizabeth N. Shapiro*, University of California, Berkeley and Texas A&M, *Neoliberal notions and the governance of carbon offsets from avoided deforestation: Lessons from the Mexican national payments for ecosystem services program.*

5:00 Heather Wright, MESC*, Moore Foundation; Sikina Jinnah, Dr., American University, *International Relations, Effectiveness, Efficiency and Equity in REDD Implementation: What Can We Learn from Past Experience?.*

SUNDAY, APRIL 18 • 4:00 PM - 5:40 PM • 5500**5546. Common concerns? Rethinking the transport/mobilities divide (III)**

Room: Lincoln Room 2, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Jennie Middleton, University of Plymouth; Jon Shaw, University of Plymouth

CHAIR(S): Jennie Middleton, University of Plymouth

4:00 Marion Tillous*, Université Paris 1 / CRIA, *Complementarity of mobility and transport geography approaches: only a matter of method? Research in progress on the travel mode choice of the elderly..*

4:20 David Gray*, Robert Gordon University, Aberdeen; Job Shaw, University of Plymouth; Jane Farmer, University of Highlands and Islands, *Social dimensions of informal lift giving in rural communities.*

4:40 Juliet Jain, PhD*, University of the West of England, *You Like 'Transport', I Like 'Mobilities' - Should We Call the Whole Thing Off?*

Discussant(s): Tim Cresswell, Royal Holloway, University of London; Aharon Kellerman, University of Haifa; Richard D. Knowles, University of Salford; Jon Shaw, University of Plymouth; Mimi Sheller, Drexel University

5548. What Are the Remote Sensing Data Needs of the Social Sciences? (Sponsored by Human Dimensions of Global Change Specialty Group, Remote Sensing Specialty Group)

Room: Lincoln Room 5, Marriott, Exhibition Level (Panel Session)

ORGANIZER(S): Robert S. Chen, CIESIN/Columbia University

CHAIR(S): Robert S. Chen, CIESIN/Columbia University

Panelists: Ruth DeFries; Paul C. Sutton, University of Denver; Christopher Small, Columbia University; Chandra Giri, United States Geological Survey; Robert S. Chen, CIESIN/Columbia University

5553. Regulatory Regionalism and New Modes of Higher Education Governance (Sponsored by Economic Geography Specialty Group, Political Geography Specialty Group)

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

ORGANIZER(S): Kris Olds, University of Wisconsin-Madison;

Susan Lee Robertson, University of Bristol

CHAIR(S): Kris Olds, University of Wisconsin-Madison

Introducer: Susan Lee Robertson

4:10 Kris Olds*, University of Wisconsin-Madison; Susan L. Robertson, University of Bristol, *Emerging Global Regionalisms/Regionalisations and Higher Education: Theoretical and Methodological Challenges.*

4:30 Peter Dominic Jones, Dr.*, Bristol University, *The Regionalisation of Higher Education? EU Strategy and Politics in Central Asia.*

4:50 Roger Dale*, U of Bristol; Fumi Kitagawa, University of Bristol, *Constructing Europe through the Bologna Process: Intermediaries, Knowledge and Governance.*

Discussant(s): Kavita Pandit, University of Georgia

5554. Practice and emotional geographies II

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

ORGANIZER(S): Jonathan Everts, Universität Bayreuth; Lauren Wagner, UCL

CHAIR(S): Jonathan Everts, Universität Bayreuth

4:00 Deborah Ellen Tooker, Ph.D.*, Le Moyne College, *"Emotions and Spatial Practices among the Akha of Northern Thailand".*

4:20 Joey Orr*, Emory University-PhD Student, *Domestic Queer Space and the Surprising Discovery of Vital Affect.*

4:40 Annette Watson*, College of Charleston, *I Wept When I Crashed the Boat: Localizing the "Field" in Radical Geographic Practice.*

Discussant(s): Lauren Wagner, UCL

5559. Remote Sensing and GIS Applications in Biogeography: Invasive Species (Sponsored by Biogeography Specialty Group)

Room: Capitol, Omni Shoreham (Paper Session)

ORGANIZER(S): Kirk M Stueve, United States Forest Service, Northern Research Station

CHAIR(S): Kirk M Stueve, United States Forest Service, Northern Research Station

Introducer: Kirk M Stueve

4:05 Zachary Sugg*, University of Arizona School of Geography and Development; M. Susan Moran, Ph.D, USDA-ARS Southwest Watershed Research Center; Christopher Scott, Ph.D, University of Arizona School of Geography and Development and Udall Center for Studies in Public Policy, *Impacts of invasive Lehmann lovegrass in a semiarid southeast Arizona grassland: hydrologic response and spatial extent.*

4:24 Amy E. Frazier*, University at Buffalo, *An Evaluation of Invasive Species Distribution Using Remote Sensing and GIS-derived Landscape Metrics.*

4:43 Mary C. Henry*, Miami University; Sarah E. Lawlor, Miami University; Steven M. Castellano, Department of Botany, Miami University; David L. Gorchoff, Department of Botany, Miami University, *Effect of Landscape Structure on *Lonicera mackii* (Amur honeysuckle) Abundance in Southwest Ohio.*

Discussant(s): Mary C. Henry, Miami University

5560. U.S. Migration

Room: Chairman, Omni Shoreham (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): James M. Smith, Towson University

4:00 Margaret Bullamore*, Ohio University, *Institutional Responses to Latin American Immigrants: An Appalachian Case Study.*

4:20 Shimantini Shome*, University of Kansas, *Assimilation of Somali Immigrants in the Kansas City Area.*

4:40 Veronica A. Ouma, Ph.D.*, Hofstra University, *African Immigrants Working in Residential Group Homes for the Developmentally Disabled in New Jersey.*

5:00 James M. Smith, Ph.D.*, Towson University, *Chinese settlement in Baltimore, 1885-1985: Social life, Landscape and Place.*

5565. New Path-Shaping in Post-Socialist Cities IV (Sponsored by Russian, Central Eurasian, and East European Specialty Group)

Room: Director's, Omni Shoreham (Paper Session)

ORGANIZER(S): Megan Dixon, College of Idaho; Ludek Sykora, Charles University in Prague

CHAIR(S): Christian Smigiel

4:00 Vera Vladimirovna Kuklina*, V.B. Sochava's Institute of Geography of Siberian Branch of Russian Academy of Sciences, *Post-Soviet Baikal: Challenges for Post-industrial Development.*

4:20 Maria C Taylor, MLA*, University of Washington, *Re-Constructing A Profession: Urban Design in post-Soviet Siberia.*

4:40 Herman Kok*, Multi Development, *Shopping in Central European cities: from must to lifestyle.*

5:00 Alessandra Scroccaro*, Montpellier University and Padua University, *Foreign investors and post-socialist cities: new forms of governance. Case study: Romania.*

Discussant(s): Megan Dixon, College of Idaho

SUNDAY, APRIL 18 • 4:00 PM - 5:40 PM • 5500**5566. Critical Geographies of Race and Critical Race Theory IV: Multiculturalism and Identity (Sponsored by Geographic Perspectives on Women Specialty Group, Population Specialty Group, Ethnic Geography Specialty Group)**

Room: Embassy, Omni Shoreham (Paper Session)
 ORGANIZER(S): Rebecca Burnett, University of Washington; Michael Babb, University of Washington
 CHAIR(S): Tricia Ruiz, University of Washington
4:00 John Finn*, Arizona State University, *Advertising, Graffiti, and Representations of a Black City*.
4:20 Caitlin Cahill*, University of Utah, *"Theorizing from the flesh": Borderlands scholarship, LatCrit, and the multicultural city*.
4:40 Cindy L. Holmes, PhD Candidate*, University of British Columbia, *Contested geographies of belonging: Examining discourses of tolerance, gay rights and whiteness in a Western Canadian city*.
5:00 Kevin Mark Dunn, Prof*, University of Western Sydney; Jim Forrest, Prof, Macquarie University, *Everywhere Different: Responding to the Experience of Everyday Racism*.
 Discussant(s): Patricia L. Price, Florida International University

5574. Agricultural Land Use

Room: Park Tower 8205, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Tika Adhikari, Department of Geography, University of Iowa
4:00 Chris Ling*, Royal Roads University; John Antill, Royal Roads University, *The Multifunctionality of Agricultural Landscape in the Urban Fringe*.
4:20 Thomas Earl Dilts*, Great Basin Landscape Ecology Lab, University of Nevada Reno; Peter J. Weisberg, PhD, Great Basin Landscape Ecology Lab, University of Nevada Reno; Jian Yang, PhD, Great Basin Landscape Ecology Lab, University of Nevada Reno, *Direct and indirect effects of irrigated agriculture on vegetation change in an arid lands watershed*.
4:40 Ruopu Li*, University of Nebraska-Lincoln; Qingfeng Guan, University of Nebraska-Lincoln; James Merchant, University of Nebraska-Lincoln, *Modeling Biofuel Cropland Expansion in North Dakota*.
5:00 Tika Adhikari*, Department of Geography, University of Iowa; David A. Bennett, Professor, Department of Geography, University of Iowa, *Land use and bio-energy: a spatially explicit agent-based model*.

5575. All About Beijing

Room: Park Tower 8211, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Zhang Jingqiu
4:00 Liou Xie*, Arizona State University, *The Impacts of Urban Form and Mass Rapid Transit on Travel Modes: Implications for Sustainable Urban Development of Beijing from 1986 to 2005*.
4:20 Bin Meng*, Dept. of Urban sciences, College of Arts & Sciences, Beijing Union University, *Study on the spatial organization of the separation between jobs and residential locations in Beijing*.
4:40 Xuegong Xu*, Peking University; Chaowei Cui, Peking University; Luyi Ma, Peking University, *Probe into the Method of Relative Assessment for Ecosystem Service: A Case in Beijing, China*.
5:00 Jingqiu Zhang*, College of Arts & Sciences of Beijing Union University, Beijing, *Analysis and Explanation on Spatial Structure of Official Activities in Beijing City*.

5576. GIS Data Uncertainty

Room: Park Tower 8217, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Andrew Foy, Virginia Polytechnic Institute
4:00 Glenn O'Neil*, Michigan State University; Ashton Shortridge, Michigan State University, *Quantifying Local Error in DEM-derived Flow-direction*.
4:20 Dave McDermott*, Haskell Indian Nations University, *Cartographic uncertainty with speculative and uncertain data*.
4:40 Eric Weber*, University of Kansas, *Dasymetric Map Accuracy: Effects of Image Resolution and Land Cover/Land Use Classification Techniques*.
5:00 Amy Ozeki*, Page County GIS Department, *Improving GIS Data Quality for Emergency Management in Page County, Virginia*.
5:20 Andrew S. Foy*, Virginia Tech, *Estimating Confidence Intervals and Epsilon Band Widths for Geospatial Data*.

5577. Conservation and Remote Sensing in Africa

Room: Park Tower 8218, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): Mabel Anim, University of Cape Coast, Ghana
4:00 Michael W. Binford*, University of Florida; J. Terrance McCabe, University of Colorado; Paul Leslie, University of North Carolina; Abe Goldman, University of Florida, *Remote sensing approaches to spatial and temporal dynamics of defensive agriculture in the greater ecosystem of Tarangire National Park, Tanzania*.
4:20 Issa Ouedraogo*, Swedish University of Agricultural Sciences; Patrice Savadogo, SLU; Muluaem Tigabu, SLU; Per Christer Odén, SLU, *Systematic and random cover transitions in the tropical dry forest of Burkina Faso, West Africa*.
4:40 Mabel Anim*, University of Cape Coast, Ghana, *Dynamics of Sea Erosion and its Effect on Coastal Resources from Komenda to Saltpond, Ghana*.

5578. Neighbourhoods: Considering Diversity and Scale

Room: Park Tower 8224, Marriott, Lobby Level (Paper Session)
 ORGANIZER(S): Program Committee
 CHAIR(S): John Lowry, Utah State University
4:00 Jennifer Hinojosa*, University of Maryland, College Park, *A Case Study of the African-American and Hispanic Population in Nassau County, New York 2000*.
4:20 Valerie A. Preston*, York University; Brian Ray, University of Ottawa, *Diversity and Social Behavior at a Local Scale: Do People Retreat?*.
4:40 Robert Douglas Lemon, MCRP, MLA*, Doctoral Student, Department of Geography and the Environment, The University of Texas @ Austin, *Measuring the Social Constructs of Space: Using GIS to Quantify Boundary Perceptions of Culturally Distinct Neighborhoods in Oakland, California*.
5:00 John Lowry*, Utah State University, *Measuring Urban/Suburban Form: A Spatial and Demographic Characterization of Residential Neighborhoods in Salt Lake County, Utah*.

SUNDAY, APRIL 18 • 4:00 PM - 5:40 PM • 5500**5579. Perspectives on Terror and Crime**

Room: Park Tower 8229, Marriott, Lobby Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Najeeb Jan, University of Colorado

4:00 Charles P Schmitz, PhD*, Towson University, *Law and terror at the margins of the modern world.*

4:20 Stacey L Wicker*, Indiana University of PA, *Spaces of opportunity: cemeteries and terrorism.*

4:40 Sami Siddiq*, Washington University in St. Louis, *Talibanistan: from buffer-zone to border-empire.*

5:00 Najeeb Jan, PhD*, University of Colorado, *The Biopolitical Life of the Tali-ban.*

5581. Asia Regional Geography

Room: Cleveland 2, Marriott, Mezzanine Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Hyungjoo Kim, Science & Technology Policy Institute

4:00 Alida J Droppert, Dr*, Central College, Pella, Iowa 50219, *The Ethos of International Schools in Asia - Micro Cultures in Diverse Global Societies.*

4:20 Jae Soen Son*, UNC-Charlotte, *Change of International Air Passenger Network in East Asia.*

4:40 Hyungjoo Kim*, Science & Technology Policy Institute; Jeong Hyop Lee, Science & Technology Policy Institute; AnnaLee Saxenian, University of California, Berkeley, *Brain Circulation in Korea: Contribution of Diaspora Networks to the Institutional Transformation of Korean Innovation Systems.*

5582. Vectored and Zoonotic Diseases

Room: Lincoln Room 1, Marriott, Exhibition Level (Paper Session)

ORGANIZER(S): Program Committee

CHAIR(S): Aldo Avina, University of North Texas

4:00 Arthur Getis, Distinguished Professor Emeritus*, San Diego State University, *Dengue Virus Transmission in Thai Villages.*

4:20 Kristopher Kuzera*, DePaul University; Arthur Getis, San Diego State University, *The potential state of dengue fever in Thailand under predicted climate change scenarios.*

4:40 Timothy Andrew Joyner*, University of Florida; Larissa Lukhnova, Kazakh Science Center for Quarantine and Zoonotic Diseases; Yerlan Pazilov, Kazakh Science Center for Quarantine and Zoonotic Diseases; Gulnara Temiralyeva, Kazakh Science Center for Quarantine and Zoonotic Diseases; Martin E. Hugh-Jones, Louisiana State University; Alim Aikimbayev, Kazakh Science Center for Quarantine and Zoonotic Diseases; Jason K. Blackburn, University of Florida, *Modeling the potential geographic distribution of Bacillus anthracis under multiple climate change scenarios for Kazakhstan.*

5:00 Patricia R Trawinski, PhD*, Niagara County Community College; Keith Tober, New York State Department of Health; Wayne Gall, PhD, New York State Department of Health, *Ochleratus japonicus in Amherst, New York: Prevalence and Distribution.*

5:20 Aldo Avina*, University of North Texas, *A Spatially Explicit Environmental Health Surveillance Framework for Tick-Borne Diseases.*

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

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Animal Geography Specialty Group

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Applied Geography Specialty Group

1251,1267,2150,2443,2450,2480,2543,2643,3114,3224,3324,3411,3414,3614,4132,4235,4468,4529,4629,5521

Asian Geography Specialty Group

1247,1405,1435,2140,2240,2268,2440,2468,2568,2640,2668,2829,3117,3118,3217,3218,3418,3507,3518,3618,5408

Association of American Geographers

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Bible Geography Specialty Group

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Biogeography Specialty Group

1228,1241,1428,1470,1528,1570,1628,1670,2109,2149,2168,2209,2210,2409,2410,2509,2510,2609,2610,3115,3236,3424,3524,3536,3624,3824,4165,4208,4265,4408,4465,4508,4543,4608,4643,4649,4668,5111,5131,5231,5259,5431,5459,5531,5559

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China Specialty Group

1234,1434,1435,1534,1535,1634,1666,2140,2240,2427,2440,2540,2640,3117,3217,3317,3507,3663,4168,4268,4416,4425,4466,4519,4525,4566,4619,4666,5115,5116,5215,5216,5416,5515

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1246,1253,1269,1433,1458,1467,1469,1533,1553,1558,1569,1611,1633,1651,2102,2122,2161,2202,2222,2230,2239,2261,2402,2411,2429,2439,2443,2480,2520,2529,2539,2543,2580,2629,2630,2639,2643,2657,3104,3113,3120,3122,3131,3204,3213,3220,3222,3231,3405,3415,3420,3433,3505,3518,3520,3533,3549,3618,3619,3620,3633,3664,3667,3848,4114,4123,4148,4214,4223,4224,4248,4423,4448,4530,4532,4548,4554,4623,4649,5111,5113,5123,5130,5144,5211,5213,5230,5244,5251,5253,5423,5429,5432,5444,5529,5532,5544

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1248,1261,1269,1419,1448,1454,1548,1550,1554,1621,1646,1648,2120,2126,2220,2420,2458,2503,2558,2602,2623,2658,3138,3155,3156,3238,3242,3255,3256,3438,3442,3456,3503,3538,3542,3555,3638,3642,3655,4120,4129,4229,4232,4405,4412,4505,4520,4605,4612,4613,4630,4853,5118,5153,5211,5218,5252,5414,5453,5514

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1227,1427,1455,1555,1655,1666,2156,2162,2256,2456,2556,2626,2656,3134,3237,3437,3513,3613,3844,4119,4413,4418,4535,5128

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1225,1519,2241,4135,4516,4529,4616

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1205,1462,1562,1662,2164,2431,2464,2502,2638,2657,3237,3329,3437,3448,3548,3648,4118,4426,4436,4535,4618,4647,5105,5130,5205,5421

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1225,1549,1635,2121,2221,2421,2535,2635,3105,3233,3421,3521,
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1204,1404,1504,1604,2116,2216,2416,2503,2571,2602,2802,3237,
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1468,1568,2157,2265,2465,2534,2810,3266,3649,4103,4203,4209,
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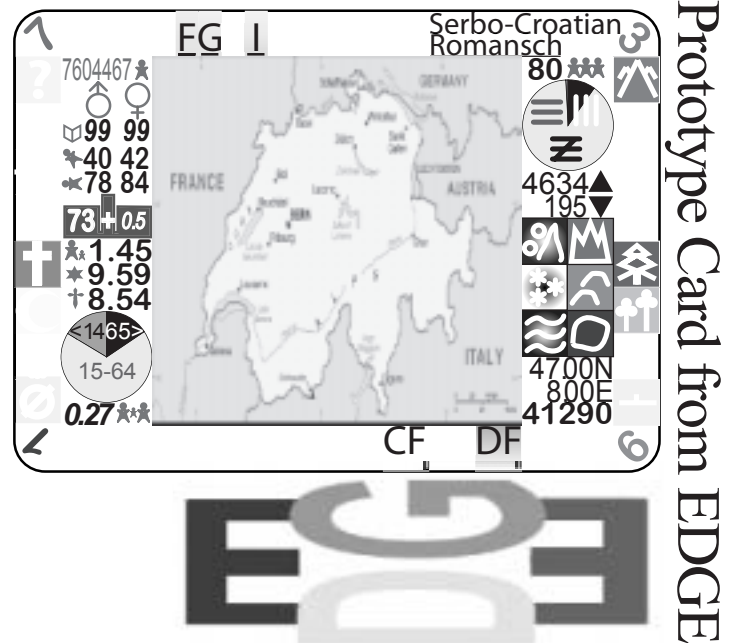
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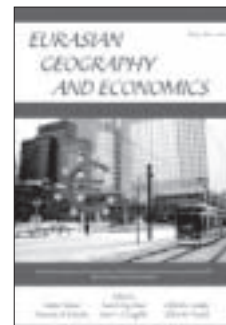
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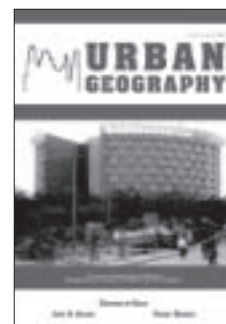
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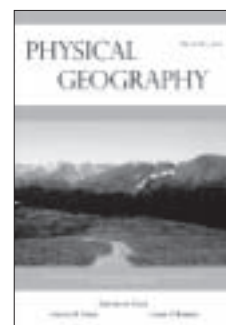
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